NVLAP®

National Voluntary Laboratory Accreditation Program

1998 Directory

NIST Special Publication 810, 1998 edition

U.S. Department of Commerce
Technology Administration
National Institute of Standards and Technology

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-0001

Dear Colleague:

In November 1997, NVLAP reached another milestone as a world class accreditation body when it became a signatory to the Asia Pacific Laboratory Accreditation Cooperation (APLAC) Mutual Recognition Arrangement (MRA). The MRA establishes an infrastructure of accredited testing and calibration laboratories whose reports and certificates will be relied upon to underpin trade between the countries involved. Copies of the MRA document are available from NVLAP or on the NVLAP web site.

I am proud to say that NVLAP is active in all parts of the world working to achieve the goal of one accreditation accepted worldwide for our customer laboratories. We expect an exchange of evaluations with the European Cooperation for Accreditation (EA), formerly EAL, sometime in 1998. This will lead to the signing of an MRA with that regional grouping of accreditation bodies, which will strengthen the position of U.S. laboratories in the European Community. Work also continues within the North American Calibration Cooperation (NACC) to establish similar recognition agreements between the United States, Canada, and Mexico in the area of calibration laboratory accreditations under the framework of the North American Free Trade Agreement (NAFTA).

NVLAP supports the goals of the NAtional Cooperation for Laboratory Accreditation (NACLA) by way of participation in the formulation of procedures for the recognition of the large number of private and public sector accrediting bodies in the United States. NACLA, an outgrowth of the Laboratory Accreditation Working Group (LAWG) originally formed by NIST, ANSI and ACIL, is working as a partnership to develop an umbrella organization to formally recognize the competence of U.S. laboratory accreditation bodies for the purpose of enhancing international trade.

We have increased our staff to accommodate growth in programs such as electromagnetic compatibility (EMC) testing, fasteners and metals testing, and the calibration laboratories program. NVLAP appreciates the opportunity to have served so many laboratories for the past twenty-two years. We look forward to continuing our partnerships with our current customers and to establishing new ones in the coming year.

Sincerely,

James L. Cigler, Chief
Laboratory Accreditation Program

NIST

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National Voluntary Laboratory Accreditation Program

1998 Directory

Vanda R. White, Editor

January 1998

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Technology Administration
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NVLAP AND THE NVLAP LOGO

INTRODUCTION

The laboratories listed in this Directory have been found to be competent to perform certain tests or calibrations as specified. These laboratories are allowed to use the NVLAP logo on their test or calibration certificates or reports, which implies that the processes used to achieve the tests or calibrations have been evaluated by NVLAP as being technically adequate when performed under the conditions specified in the laboratories' quality manuals and associated documentation. Further, NVLAP certifies that the laboratories have demonstrated traceability of their tests or calibrations to national standards at the appropriate levels of uncertainty for which the laboratories have been accredited.

As a prospective customer of the laboratories listed in this Directory, you should be aware that the laboratories are obligated to inform you, before the fact, whenever a test or a calibration service which you have requested is not covered by the NVLAP accreditation (NIST Handbook 150, Section 285.33(k)(8)). When contracting for the test or calibration service, you have the right to specify whether or not you desire a NVLAP-accredited test or calibration. Provision of a non-NVLAP-accredited test or calibration shall not be accompanied by the use of the NVLAP logo on the certificate or report, and NVLAP does not endorse any claims made regarding traceability and uncertainty of the measurements performed.

In addition, if a laboratory performs a combination of tests or calibrations, some of which have been accredited by NVLAP and some of which have not, the laboratory is bound by the provisions of NIST Handbook 150 to clearly identify the tests or calibrations covered by NVLAP accreditation and those not accredited by NVLAP on the test or calibration certificate or report.

Current information on the accreditation status of a laboratory can be obtained by contacting NVLAP as follows:

(1) Address: Chief, Laboratory Accreditation Program
National Institute of Standards and Technology
Building 820, Room 282
Gaithersburg, MD 20899;

(2) Phone: (301) 975-4016;

(3) Fax: (301) 926-2884; or

(4) E-mail: nvlap@nist.gov.

NVLAP also maintains a directory of accredited laboratories on the Internet, which is updated quarterly. The URL for NVLAP's home page is http://ts.nist.gov/nvlap.

CONTENTS

PROGRAM SUMMARY

The National Institute of Standards and Technology (NIST) administers the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP is comprised of a series of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. Each LAP includes specific calibration and/or test standards and related methods and protocols assembled to satisfy the unique needs for accreditation in a field of testing or calibration. NVLAP accredits public and private laboratories based on evaluation of their technical qualifications and competence to carry out specific calibrations or tests. Accreditation criteria are published in the Code of Federal Regulations (Title 15, Part 285) as a part of the NVLAP Procedures and General Requirements, and encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002. Accreditation is granted following successful completion of a process which includes submission of an application and payment of fees by the laboratory, an on-site assessment, resolution of any deficiencies identified during the on-site assessment, participation in proficiency testing, and technical evaluation. The accreditation is formalized through issuance of a Certificate of Accreditation and Scope of Accreditation (fig. 1) and publicized by announcement in various government and private media.

NVLAP accreditation is available to commercial laboratories; manufacturers' in-house laboratories; university laboratories; and federal, state, and local government laboratories. Foreign-based laboratories may also be accredited if they meet the same requirements as domestic laboratories and pay any additional fees required for travel expenses.

NVLAP provides an unbiased third party evaluation and recognition of performance, as well as expert technical guidance to upgrade laboratory performance. NVLAP accreditation signifies that a laboratory has demonstrated that it operates in accordance with NVLAP requirements in the following areas: accommodation and environment; calibration and test methods; certificates and reports; complaints; equipment and reference materials; handling of calibration and test items; measurement traceability and calibration; organization and management; outside support services and supplies; personnel; quality system, audit and review; records; and subcontracting. NVLAP accreditation does not imply any guarantee (certification) of laboratory performance or test/calibration data; it is solely a finding of laboratory competence. A laboratory may cite its accredited status and use the NVLAP logo on reports, stationery, and in business and trade publications provided that this use does not imply product certification.

This Directory of laboratories is published annually and lists the name, address, contact person, phone and fax numbers, e-mail and URL addresses (if available), accreditation renewal date, and scope of accreditation for each laboratory. An updated listing of laboratories is published quarterly on NVLAP's home page on the Internet: http://ts.nist.gov/nvlap.

Accreditation Renewal Date

A laboratory accreditation is valid for one year and commences on one of four dates: January 1, April 1, July 1, or October 1; an accreditation will terminate after one year unless renewed by the laboratory. Users of this Directory who are considering selection of accredited laboratories should be aware of the renewal date and verify that the laboratory has retained its accreditation at the time its services are to be provided. Verification of accreditation status can be obtained by contacting NVLAP.

On-Site Assessment

Before initial accreditation, an on-site assessment of each laboratory is conducted to determine compliance with the NVLAP criteria. After accreditation is granted, an on-site assessment must be conducted every two years in order for the laboratory to maintain accreditation. An assessment is conducted by one or more NVLAP assessors selected on the basis of their expertise in the field of testing or calibration to be reviewed. They may be engineers or scientists currently active in the field, consultants, college professors or retired persons. Their services are generally contracted as required.

Assessors use checklists provided by NVLAP so that each laboratory receives an assessment comparable to that received by others. However, assessors have some latitude to make judgments about a laboratory's compliance with the NVLAP criteria.

An assessment normally takes one to five days depending on the extent of the laboratory's application. Every effort is made to conduct an assessment with as little disruption as possible to the normal operations of the laboratory. During the assessment, the assessor carries out the following functions:

- meets with management and supervisory personnel responsible for the laboratory's activities to review the assessment process and to set the assessment agenda;

- examines the laboratory's quality assurance system, selects and traces the history of one or more samples from receipt to final issuance of reports, conducts a thorough review of the laboratory's quality manual, evaluates the training program, examines notebooks or records pertaining to the samples, checks sample identification and tracking procedures, determines whether the appropriate environmental conditions are maintained, and examines copies of completed reports;

- reviews records of periodic internal audits, use of check samples or participation in round-robin testing or other similar programs, personnel records including resumes and job descriptions of key personnel, competency evaluations for all staff members who routinely perform the testing or calibration for which accreditation is sought, calibration or verification records for apparatus used, reports, and sample control records;

- observes demonstrations of laboratory techniques and discusses them with the technical personnel to assure their understanding of the procedures; and

- examines major equipment, apparatus, and facilities.

At the conclusion of the assessment, the assessor will conduct an exit briefing to discuss observations and any deficiencies with responsible laboratory staff. A written assessment report will be left with the laboratory, and a copy forwarded to NVLAP.

If the on-site inspection reveals deficiencies that pertain to NVLAP requirements, the laboratory must respond in writing to NVLAP within 30 days of such notification. The response must provide documentation, signed by the Authorized Representative, that the specified deficiencies have either been corrected or include a plan of action to make corrections.

Monitoring Visits

Monitoring visits may be conducted at any time during the accreditation period for cause or on a random selection basis. These visits serve to verify reported changes in the laboratory's personnel, facilities, or operations, or to explore possible reasons for poor performance in proficiency testing. The scope of a monitoring visit may range from checking a few designated items to a complete review.

Proficiency Testing

Proficiency testing is an integral part of the NVLAP accreditation process. On-site demonstration of appropriate facilities, equipment, personnel, etc., is essential, but may not be sufficient for the continuing evaluation of laboratory competence. The production of test/calibration data using special proficiency testing samples or artifacts provides NVLAP with a means to determine the overall competence of the laboratory. Information obtained from proficiency testing helps to identify problems in a laboratory. When problems are found, NVLAP works with the laboratory staff to solve them.

Most fields of accreditation have proficiency testing requirements. Data submitted by the laboratories in response to specific NVLAP requirements are analyzed and reports of the results are made known to the participants. Summary results are available upon request to other interested parties; e.g., professional societies and standards writing bodies. The identity and performance of individual laboratories are kept confidential.

Satisfactory participation is based on specially tailored exercises designed to evaluate the ability of the laboratory to produce the services for which it is accredited. Some methods define pass/fail criteria; in other cases, individual laboratory results must fall within statistically acceptable limits of overall group performance. In a number of programs, NVLAP requires satisfactory participation in proficiency testing as a condition of initial, as well as continuing, accreditation.

Technical Evaluation

A final technical evaluation is performed by a NVLAP review panel. The panel's recommendations regarding accreditation are based on:

- information provided on the application;
- results of quality system documentation review;
- on-site assessment reports;
- actions taken by the laboratory to correct deficiencies;
- results of proficiency testing; and
- information from any monitoring visits of the laboratory.

If the technical evaluation reveals additional deficiencies, written notification of the deficiencies will be sent to the laboratory. The laboratory must respond as specified in the previous section, *On-Site Assessment*. Clarification of some issues may be requested by telephone. All deficiencies must be resolved before accreditation can be granted.

Accreditation Actions

After the technical evaluation has been completed and all financial and administrative requirements have been satisfied, NVLAP takes one of the following accreditation actions:

Accreditation The laboratory is issued a Certificate of Accreditation and a Scope of Accreditation.

Denial The laboratory is notified of a proposal to deny accreditation and the reason(s).

If an accredited laboratory is found to be out of compliance with the NVLAP criteria, NVLAP may take one of the following actions:

Suspension Suspension is a temporary removal of the accredited status of a laboratory when it is found to be out of compliance with the terms of its accreditation. The laboratory will be notified of the reasons for and conditions of the suspension and the action(s) that the laboratory must take to have the accreditation reinstated.

Reasons for suspension include: loss of key personnel, loss of major equipment, damage to laboratory by fire, changing laboratory location, proficiency test failure.

Revocation Revocation is the removal of the accredited status of a laboratory when it is found to have violated the terms of its accreditation. The laboratory will be notified of the reasons for proposed revocation and the procedure for appealing such a decision. If accreditation is revoked, the laboratory may be given the option of voluntarily terminating the accreditation. A laboratory whose accreditation has been revoked must return its Certificate of Accreditation and cease use of the NVLAP logo on any of its reports, correspondence, or advertising.

Reasons for revocation include: obtaining accreditation through fraud, refusal to resolve deficiencies, no longer providing the type of calibration or testing service for which accreditation was issued.

If denial or revocation has been proposed, the laboratory may appeal the decision to the Director of NIST. If an appeal is not requested, the action becomes final upon the expiration of the 30-day period following receipt of the notification.

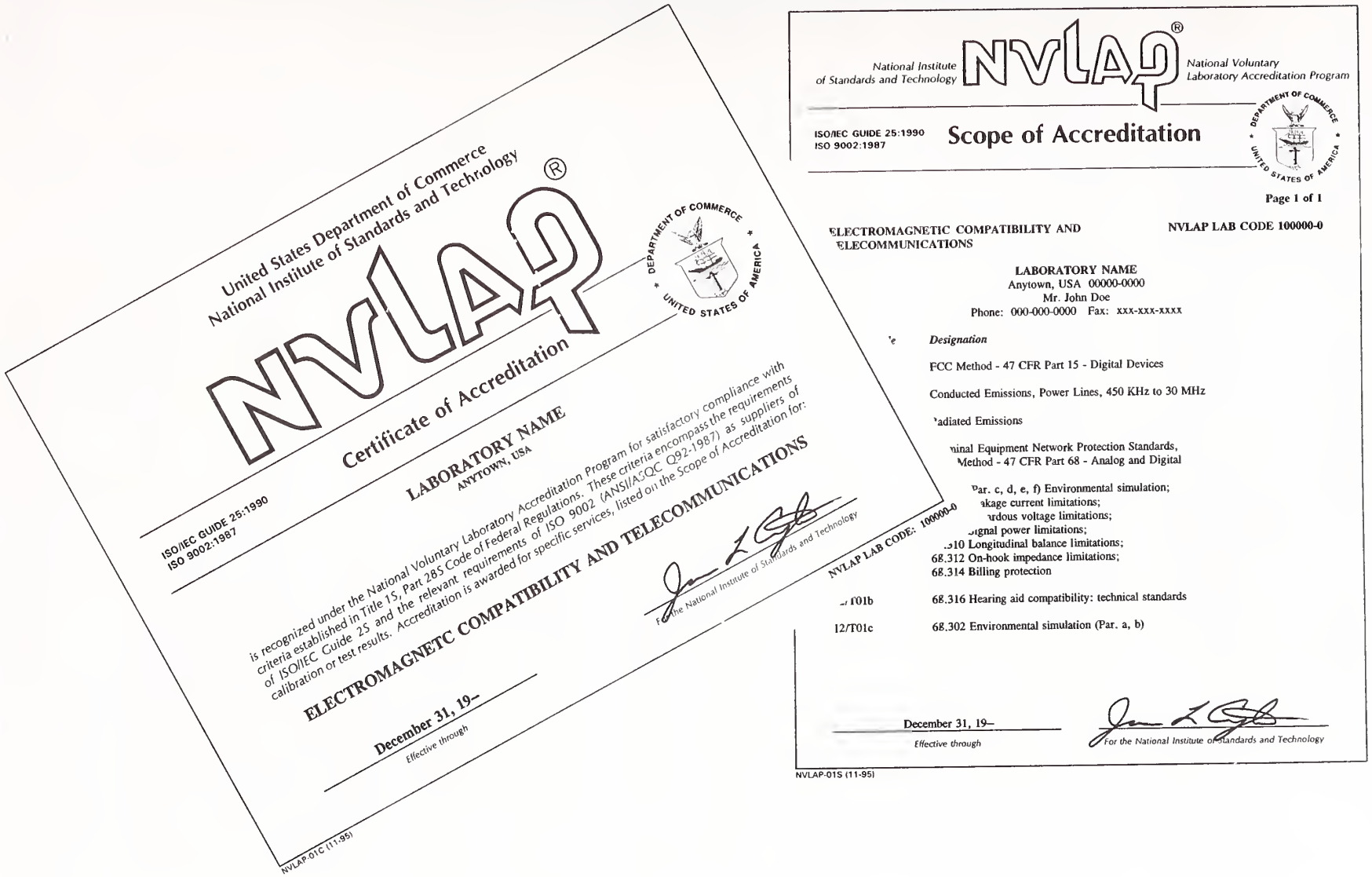

Figure 1. NVLAP Certificate and Scope of Accreditation (sample)

LABORATORY ACCREDITATION SUMMARY

The following table summarizes laboratory accreditations by field of testing or calibration as of the date this Directory was prepared for publication. Since some laboratories are accredited in more than one field, the total number of laboratories listed by field of accreditation (see Index B) is greater than the number of laboratories in the system (see Index A).

PROGRAM GROUP/Field of Accreditation		*Number of Accreditations*
CALIBRATION LABORATORIES GROUP		
Dimensional		6
Electromagnetics - DC/Low Frequency		6
Electromagnetics - RF/Microwave		3
Ionizing Radiation		4
Mechanical		9
Thermodynamics		3
Time and Frequency		4
COMPUTER/ELECTRONICS GROUP		
Cryptographic Modules Testing		3
Federal Communications Commission (FCC) Methods		139
GOSIP		2
MIL-STD-462 Test Methods		14
POSIX		2
DOSIMETRY GROUP/Ionizing Radiation Dosimetry		46
ENVIRONMENTAL GROUP/Asbestos Fiber Analysis:	PLM test method	327
	TEM test method	76
FASTENERS AND METALS GROUP		46
PRODUCT TESTING GROUP		
Acoustical Testing Services		16
Carpet and Carpet Cushion		14
Commercial Products Testing (Paints, Paper, Plastics, Plumbing, Roofing, Seals/Sealants)		8
Construction Materials Testing		17
Efficiency of Electric Motors		6
Energy Efficient Lighting Products		8
Thermal Insulation Materials		18
Wood Based Products		5
TOTAL ACCREDITATIONS		782

HOW TO USE THIS DIRECTORY

The ***1998 Directory*** lists laboratories accredited by NVLAP. It consists of five indexes which are cross-referenced by NVLAP Lab Code, a unique identifier assigned to each laboratory; e.g., 100000-0. The Directory enables the user to locate name, address, telephone and accreditation information about laboratories of interest. The user should contact the laboratories directly to get information beyond that provided here.

INDEX A, LISTING BY LABORATORY NAME, lists all laboratories in alphabetical order by laboratory name. The name of each laboratory is listed as it appears on its application for accreditation.

INDEX B, LISTING BY FIELD OF ACCREDITATION, lists all laboratories in alphabetical order by laboratory name within field of accreditation. The index is organized by PROGRAM GROUPS, which are groups of Laboratory Accreditation Programs (LAPs) assembled in categories of technical fields for efficiency in management (see page 6). Listed under each PROGRAM GROUP are the technical fields of accreditation managed within that GROUP. Laboratories accredited in more than one field will have more than one listing in this index.

INDEX C, LISTING BY STATE/COUNTRY, lists all laboratories in alphabetical order by laboratory name within state. The states are designated by the standard two-letter postal abbreviations. Laboratories located outside of the United States are listed at the end of the index. Index C also indicates the field of accreditation for each laboratory.

INDEX D, LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE, lists all testing laboratories in numerical order by NVLAP Lab Code. There is only one listing per Lab Code in Index D.

INDEX E, LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE, lists all calibration laboratories in numerical order by NVLAP Lab Code. There is only one listing per Lab Code in Index E.

INFORMATION CONTAINED IN INDEXES D AND E

Each laboratory receives a Certificate of Accreditation and a Scope of Accreditation when accreditation is granted or renewed. The Scope of Accreditation details the methods and services for which accreditation has been granted to a laboratory. Indexes D and E present a condensation of the Scope(s) of Accreditation for testing and calibration laboratories, respectively.

The following information is presented for each laboratory listed in Index D or Index E:

(a) NVLAP Lab Code;
(b) Laboratory name and address;
(c) Authorized representative (contact);
(d) Phone number;
(e) Fax number;
(f) E-mail address (if available);
(g) URL (web site) address (if available);
(h) Field of accreditation;
(i) Accreditation expiration date; and
(j) Scope of accreditation.

HOW TO LOCATE SPECIFIC INFORMATION

For a laboratory whose name is known

Refer to Index A and note the laboratory's NVLAP Lab Code. Look up the Lab Code in Index D (if testing) or Index E (if calibration) to obtain specific information about the laboratory; e.g., address, phone number, Scope of Accreditation, etc.

For a laboratory in a particular geographic area

Determine the states (or country) included in the geographic area of interest. Refer to Index C to obtain the NVLAP Lab Code of a laboratory within the selected geographic area for a given field of accreditation. Look up the Lab Code in Index D (if testing) or Index E (if calibration) to obtain specific information about the laboratory; e.g., address, phone number, Scope of Accreditation, etc.

For a laboratory in a particular field of accreditation

Choose the field of accreditation from the list on page 6. Refer to Index B and note the name and Lab Code of each laboratory of interest. Index B is organized by field of accreditation within major program group. Look up the Lab Code in Index D (if testing) or Index E (if calibration) to obtain specific information about the laboratory; e.g., address, phone number, Scope of Accreditation, etc.

SPECIAL NOTE ABOUT LABORATORIES ACCREDITED IN ASBESTOS FIBER ANALYSIS

The test method designations for Bulk Asbestos Analysis (PLM) and Airborne Asbestos Analysis (TEM) are as follows:

NVLAP Code	*Program Title/Test Method Designation*
18/A01	BULK ASBESTOS ANALYSIS (PLM)
	U.S. Environmental Protection Agency (EPA) "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" as found in 40 Code of Federal Regulations (CFR), Part 763, Subpart F, Appendix A, or the current U.S. EPA method for the analysis of asbestos in building material.
18/A02	AIRBORNE ASBESTOS ANALYSIS (TEM)
	U.S. Environmental Protection Agency (EPA) "Interim Transmission Electron Microscopy Analytical Methods—Mandatory and Nonmandatory—and Mandatory Section to Determine Completion of Response Actions" as found in 40 Code of Federal Regulations (CFR), Part 763, Subpart E, Appendix A.

INDEX

LISTING BY LABORATORY NAME

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
3			
3M Product Safety EMC Laboratory	200033-0	St. Paul	MN
3V Fasteners Co. Inc. Testing Laboratory	200264-0	Corona	CA
A			
A & B Environmental Services, Inc.	101793-0	Houston	TX
A T Labs	101062-0	Youngstown	OH
A-Pex International Co., Ltd. Yokowa Laboratory	200109-0	Mie-ken	JAPAN
A.R.C. Laboratories, Inc.	101832-0	Grand Forks	ND
AAC Trinity, Inc.	101168-0	Farmington Hills	MI
ABM Environmental Consultants, Inc.	102015-0	Long Island City	NY
Accredited Environmental Technologies, Inc.	101051-0	Media	PA
Accredited Environmental Technologies, Inc.	200236-0	Leland	NC
ACM Environmental, Inc.	101977-0	South Bend	IN
Acominas - Analysis and Testing Laboratory	200185-0	Ouro Branco MG	BRAZIL
Acoustic Systems Acoustical Research Facility	100286-0	Austin	TX
Acton Environmental Testing, dba National Technical Systems	100347-0	Boxborough	MA
Advance Data Technology Corporation	200102-0	Taipei Hsien	TAIWAN
Advanced Energy, Industrial Energy Laboratory	200081-0	Raleigh	NC
Advanced Industrial Hygiene Services, Inc.	101006-0	Miami	FL
Aearo Company, E·A·RCAL Acoustical Laboratory	100374-0	Indianapolis	IN
AET Environmental, Inc.	101610-0	Cherry Hill	NJ
AGX, Inc.	101578-0	Cranberry Township	PA
AHD	200129-0	Dowagiac	MI
Aires Consulting Group, Inc.	101014-0	Batavia	IL
AIResearch, Inc.	101868-0	Wauwatosa	WI
Airtek Environmental Corp.	102011-0	New York	NY
Akzo Kashima Ltd. Kakegawa EMC Test Site	100290-2	Shizuoka	JAPAN
Akzo Kashima Ltd., Kashima EMC Site	100290-0	Ibaraki	JAPAN
Akzo Kashima Ltd., Matsuda EMC Test Site	100290-4	Kanagawa	JAPAN
Akzo Kashima Ltd., Nagano EMC Test Site	100290-3	Nagano	JAPAN
Akzo Kashima Ltd., Tochigi EMC Test Site	100290-5	Tochigi	JAPAN
Akzo Kashima Ltd., Yokohama Test Center	100290-1	Yokohama	JAPAN
All State Engineering & Testing Consultants, Inc.	102096-0	Davie	FL
Allegheny Asbestos Analysis	101704-0	Carnegie	PA
Alliant Techsystems	200084-0	Annapolis	MD
AlliedSignal FM&T Metrology	200108-0	Kansas City	MO
Allison Analytical Services, Inc.	101330-0	Worthington	OH
Alpine Consulting, Inc.	102089-0	Colorado Springs	CO
AMA Analytical Services, Inc.	101143-0	Lanham	MD
Ambient Labs, Inc.	101618-0	New York	NY
American Asbestos Laboratories, Inc.	101775-0	Miami	FL
American Carpet Laboratories, Inc.	100139-0	Ringgold	GA
American Electric Power, Environmental Laboratory	102102-0	Columbus	OH
American Environmental Network (Massachusetts)	101005-0	N. Billerica	MA
American Medical Laboratories	101136-0	Chantilly	VA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
American Testing Laboratories, Inc.	100146-0	Lancaster	PA
AMS-NATEC Environmental Services, Inc.	101155-0	Garden Grove	CA
Analab, LLC	200260-0	Sterling	PA
Analytica Solutions, Inc.	101086-0	Broomfield	CO
Analytical Environmental Services International, Inc.	200051-0	Hato Rey	PR
Analytical Environmental Services, Inc.	102033-0	Atlanta	GA
Analytical Industries, Inc.	101855-0	Paducah	KY
Analytical Labs San Francisco, Inc.	101909-0	San Francisco	CA
Aoyama Fastener Laboratory	200213-0	Niwa-gun, Aichi Prefecture	JAPAN
APA - The Engineered Wood Association Research Center	100423-0	Tacoma	WA
Apex Research Laboratory	102118-0	Whitmore Lake	MI
Apollo Environmental, Inc.	101871-0	Gibsonton	FL
Apple Computer, Inc., EMC Compliance Laboratory	200071-0	Cupertino	CA
Applied Environmental, Inc.	101611-0	Reston	VA
Arcon Fastener Corporation	200187-0	Elk Grove Village	IL
Arizona Public Service Co., Palo Verde Nuclear Generating Station	100536-0	Tonopah	AZ
Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center	100228-0	Lancaster	PA
Asakawa Screw Co., Ltd.	200197-0	Yokohama	JAPAN
Asakawa Screw Co., Ltd. Kawawa Factory	200257-0	Yokohama	JAPAN
ASBESTECH	101442-0	Carmichael	CA
Asbestos Analysis and Information Service, Inc.	101261-0	Four Oaks	NC
Asbestos Analytical	101771-0	Tucson	AZ
Asbestos Consulting & Testing (ACT)	101649-0	Lenexa	KS
Asbestos Control Program Laboratory	101888-0	Corona	NY
Asbestos Detection Co., Inc.	101172-0	Garden Grove	CA
Asbestos TEM Laboratories, Inc.	101891-0	Berkeley	CA
Asbestos TEM Laboratories, Inc.	200104-0	Sparks	NV
Assaigai Analytical Laboratories, Inc.	101457-0	Albuquerque	NM
AST Research, Inc. EMC Lab.	200135-0	Irvine	CA
ATC Associates Inc.	102071-0	Cincinnati	OH
ATC Associates, Inc.	101187-0	New York	NY
ATC Associates, Inc.	101265-0	Indianapolis	IN
ATC Associates, Inc.	101265-2	Dallas	TX
ATC Associates, Inc.	101265-8	Miami	FL
ATC Associates, Inc.	200250-0	Columbia	MD
ATC Environmental, Inc.	102031-0	Denver	CO
Athenica Environmental Services, Inc.	101958-0	Long Island City	NY
Atomic Energy Industrial Laboratory of the Southwest, Inc.	100556-0	Houston	TX
Auditory Systems Laboratory, ISE Department, Virginia Tech	100352-0	Blacksburg	VA
Aurora Consolidated Laboratories	101661-0	West Allis	WI

B

Baltimore Gas & Electric Company	100501-0	Lusby	MD
Batta Laboratories, Inc.	101032-0	Newark	DE
Battelle - Pacific Northwest National Laboratory	200216-0	Richland	WA
Bay Area Air Quality Management District	102090-0	San Francisco	CA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Bay Area Compliance Laboratory, Corp.	200167-0	Sunnyvale	CA
BCM Engineers	101374-0	Norristown	PA
Beaulieu of America - Carpet Testing Lab	100190-0	Dalton	GA
Belgo-Mineira Chemical Laboratory	200196-0	35.930-900 Joao Monlevade	BRAZIL
Beling Consultants, Inc.	101356-0	Moline	IL
Bell Laboratories, Division Lucent Technologies, Inc.	101965-0	Murray Hill	NJ
Bellatrix Analytical Laboratories, LLC	102110-0	Scottsdale	AZ
Bentley Testing Laboratory	100288-0	City of Industry	CA
Big Rivers Electric Corp.	200028-0	Henderson	KY
Bodycote Industrial Testing Ltd.	101072-0	St. Louis	MO
Braun Intertec Corporation	101234-0	Minneapolis	MN

C

Cabletron Systems, Inc.	200121-0	Rochester	NH
Cam Environmental	200240-0	Pasadena	TX
CAMCO Lab	101803-0	Fontana	CA
Canadian Standards Association	100322-0	Etobicoke Ontario	CANADA
Cape Environmental Management, Inc.	102111-0	Atlanta	GA
Carnow, Conibear & Associates Ltd.	101039-0	Chicago	IL
Carolina Environmental, Inc.	101768-0	Raleigh	NC
Carolina Power & Light Company, Harris Energy & Enviro. Center	100517-0	New Hill	NC
CBS Fasteners, Inc.	200253-0	Anaheim	CA
CDRH X-Ray Calibration Laboratory	105018-0	Rockville	MD
Celotex Technical Center	100417-0	St. Petersburg	FL
Certelecom Laboratories, Inc.	100351-0	Ottawa Ontario	CANADA
Certelecom Laboratories, Inc.	100351-1	Ogdensburg	NY
Charter Steel	200160-0	Saukville	WI
Chatfield Technical Consulting Limited	101103-0	Mississauga Ontario	CANADA
Chemical Laboratory - Bar Technologies, Inc.	200148-0	Johnstown	PA
Chemitox EMC Research, Inc.	200120-0	Yamanashi-ken	JAPAN
ChemScope, Inc.	101061-0	North Haven	CT
CHEMTEX Environmental Laboratory, Inc.	200025-0	Port Arthur	TX
Chomerics Test Services (CTS)	100296-0	Woburn	MA
Chopra-Lee, Inc.	200095-0	Grand Island	NY
Cisco Systems, Inc.	200114-0	San Jose	CA
City of Austin-Holly Chemistry Lab.	200014-0	Austin	TX
City of Los Angeles Department of Water and Power	101111-0	Los Angeles	CA
City of San Jose, Materials Testing Laboratory	100325-0	San Jose	CA
Clark County School District	101220-0	Henderson	NV
Clayton Environmental Consultants, Inc.	101106-0	Seattle	WA
Clayton Laboratory Services	101125-0	Kennesaw	GA
Clinton Power Station	100570-0	Clinton	IL
Com Ed - TLD Processing Lab - CTEAM Facility	100541-0	Bolingbrook	IL
Combustion Engineering, Inc.	100563-0	Windsor	CT
ComEd	101749-0	Bolingbrook	IL
Commercial Testing Company	100120-0	Dalton	GA
Communication Certification Laboratory	100272-0	Salt Lake City	UT
Compaq Computer Corp. Emissions Control Lab	200058-0	Houston	TX
Compatible Electronics, Inc.	200063-0	Agoura	CA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Compliance Eng. Svces, Inc. d.b.a. Compliance Consulting Services	200064-0	Sunnyvale	CA
Compliance Eng. Svces, Inc., Compliance Consulting Services	200065-0	Sunnyvale	CA
Compliance Test Laboratories, Inc.	200237-0	Liberty	SC
Composite Panel Association (CPA)	I00418-0	Gaithersburg	MD
Con Edison, Indian Point	I00538-0	Buchanan	NY
Concord Analysis, Inc.	101884-0	Chatsworth	CA
Continental Envirotech, Inc.	200080-0	Mesa	AZ
Control Data OSI Accredited Test Center	100354-0	Arden Hills	MN
Converse Consultants MR, Inc.	10209I-0	Reno	NV
Cooper Lighting - Metalux Research Laboratories	200050-0	Americus	GA
Cosmos Corporation	200151-0	Watarai-gun Mie	JAPAN
Covino Environmental Associates, Inc.	101781-0	Woburn	MA
Criterion Laboratories, Inc.	102046-0	Bensalem	PA
Criterion Technology	100396-0	Rollinsville	CO
Cryptographic Equipment Assessment Lab. (CEAL)	200002-0	McLean	VA
CT&E Environmental Services Inc.	200067-0	San Diego	CA
CTL Environmental Services	I01216-0	Carson	CA
Curtis-Straus LLC	200057-0	Littleton	MA

D

D.L.S. Electronic Systems, Inc.	100276-0	Wheeling	IL
D/L Laboratories	100252-0	New York	NY
Dames & Moore, Inc.	101433-0	Salem	NH
Data General Corporation	100339-0	Westboro	MA
DataChem Laboratories	I01917-0	Cincinnati	OH
Davis & Floyd, Inc.	101410-0	Greenwood	SC
DCM Science Laboratory, Inc.	101258-0	Lakewood	CO
Dell Regulatory Test Laboratories	200052-0	Round Rock	TX
Denver Instrument Co. Weight Lab	200106-0	Arvada	CO
Department of Environmental Health Industrial Hygiene Laboratory	101530-0	San Diego	CA
Design for Health, Inc.	101864-0	San Diego	CA
Detail Associates, Inc.	102100-0	Englewood	NJ
Detecon Inc. Type Approval Division	200039-0	St. Paul	MN
Detroit Edison, Fermi 2 Dosimetry Laboratory	100529-0	Newport	MI
Dexter Fastener Technologies, Inc.	200144-0	Dexter	MI
DHMH-Air Quality Laboratory	101523-0	Baltimore	MD
Digital Equipment Corp., EMC Test Facility	200078-0	Colorado Springs	CO
Digital Regulatory Engineering and Testing Services	I00413-0	Marlboro	MA
Dixon Information Inc.	101012-0	South Salt Lake	UT
DLZ Laboratories, Inc.	101060-0	Columbus	OH
Dodge-Regupol, Inc. Laboratory	200030-0	Lancaster	PA
Dolphin Environmental Consultants	102086-0	Stafford	TX
DOMUS Software Limited ITSEC Laboratory	200017-0	Ottawa Ontario	CANADA
Dove Environmental Corporation	102053-0	Miami Lakes	FL
Dow Chemical N. America Foam Products Research, Prod. Perf. Lab.	100103-0	Midland	MI
Duke Engineering and Services	100524-0	Bolton	MA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Environmental Laboratory			
Duke Power Company Dosimetry Laboratory	100505-0	Charlotte	NC
Duquesne Light Company, Beaver Valley Power Station	100521-0	Shippingport	PA
Durkee Testing Laboratories, Inc.	200178-0	Paramount	CA
E			
E. M. Analytical, Inc.	101902-0	Dania	FL
EAI, Inc.	102114-0	Jersey City	NJ
Eastern Analytical Services, Inc.	101646-0	Elmsford	NY
Eastern Materials Testing Lab a division of Jaworski Geotech	100315-0	New Britain	CT
Eaton E3 Laboratory	100382-0	Southfield	MI
EcoSystems Engineering, Inc.	101162-0	Carrollton	TX
ECS/Wagner Environmental	101064-0	Eugene	OR
EEC, Inc.	101088-0	Raleigh	NC
EG&G Environmental Health PLM Laboratory	101759-0	Kennedy Space Center	FL
Electric Boat Corp/A General Dynamics Co. Radiological Ctrl. Dept	100560-0	Groton	CT
Electro Magnetic Test, Inc.	200147-0	Mountain View	CA
Electro-Analytical, Inc.	101019-0	Mentor	OH
Electromagnetic Engineering Services, Inc. "EESI"	200116-0	San Diego	CA
Electronic Compliance Laboratories, Inc.	200089-0	Sunnyvale	CA
Electronic Research & Service Organization/ITRI	200118-0	Hsinchu	TAIWAN
Electronics Testing Center, Taiwan	200133-0	Taoyuan Hsien	TAIWAN
Elite Electronic Engineering Company	100278-0	Downers Grove	IL
Elliott Laboratories, Inc.	200069-0	Sunnyvale	CA
EMC Compliance Mgmt Group, dba Turntech Scientific & Instr., Inc.	200068-0	Mountain View	CA
EMC International, Inc.	200094-0	Youngsville	NC
EMC Kashima Corporation	200070-0	Chiba-ken	JAPAN
EMG, Company (Environmental Monitoring Group)	200060-0	Garden Grove	CA
EMS Laboratories, Inc.	101218-0	Pasadena	CA
EMSL Analytical, Inc.	101048-0	Westmont	NJ
EMSL Analytical, Inc.	101048-1	Smyrna	GA
EMSL Analytical, Inc.	101048-2	Piscataway	NJ
EMSL Analytical, Inc.	101048-3	San Mateo	CA
EMSL Analytical, Inc.	101048-4	Ann Arbor	MI
EMSL Analytical, Inc.	101048-9	New York	NY
EMSL Analytical, Inc.	101048-10	Carle Place	NY
EMSL Analytical, Inc.	102104-0	Greensboro	NC
EMSL Analytical, Inc.	102106-0	Houston	TX
EMSL Analytical, Inc.	200019-0	Seattle	WA
EMSL Analytical, Inc.	200034-0	Dallas	TX
EMSL Analytical, Inc.	200056-0	Williamsville	NY
EMSL Analytical, Inc.	200188-0	Indianapolis	IN
EMSL Analytical, Inc.	200204-0	N. Miami Beach	FL
EMSL Analytical, Inc.	200232-0	S. Pasadena	CA
EMSL Analytical, Inc.	200247-0	Charlotte	NC
EMSL Analytical, Inc.	200293-0	Beltsville	MD
ENCORP	200013-0	El Segundo	CA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
ENSR Corporation	101148-0	Dallas	TX
Entergy Operations, Inc.	100535-0	Taft	LA
Enviro Techniques, Inc.	200024-0	Paterson	NJ
Enviro-Probe, Inc.	101222-0	Bronx	NY
EnviroMed Services, Inc.	101514-0	New Haven	CT
Environmental Enterprise Group(EEG), Inc.	101587-0	Russellville	AR
Environmental Hazards Services, Inc.	101882-0	Richmond	VA
Environmental Health Laboratories	101506-0	Clayton	MO
Environmental Health Laboratory	101034-0	Cromwell	CT
Environmental Health Laboratory	101116-0	Macon	GA
Environmental Management Consultants, Inc.	101926-0	Scottsdale	AZ
Environmental Monitoring & Consulting Associates	101087-0	Somerville	NJ
Environmental Resource Consultants	101735-0	Austin	TX
Environmental Service Group	102029-0	Indianapolis	IN
Environmental Services, Inc.	101306-0	St. Albans	WV
Environmental Support Services, Inc.	101987-0	Richardson	TX
Environmental Testing and Monitoring Services, Inc.	200131-0	Virginia Beach	VA
Environmental Testing Laboratories, Inc.	101937-0	Farmingdale	NY
Environmental Testing, Inc.	101848-0	Middletown	DE
EnvironMETeo Services Inc.	101807-0	Waipahu	HI
Envirotest, Inc.	101595-0	Houston	TX
ERI Consulting Engineers, Inc.	101232-0	Tyler	TX
ERT Testing Services	101295-0	Highland Park	MI
F			
Fairfield Testing Laboratory, Inc.	100317-0	Stamford	CT
Fairway Testing Company, Inc.	100340-0	Stony Point	NY
Fastener Innovation Technology, Inc.	200179-0	Gardena	CA
Fiberquant, Inc.	101031-0	Phoenix	AZ
Fibertec, Inc.	101510-0	Holt	MI
Flexible Products Company	100210-0	Joliet	IL
Florida Power & Light Company	100544-0	Juno Beach	FL
Fluke Corporation Primary Standards Laboratory	105016-0	Everett	WA
Fluor Daniel Fernald, Inc., Analytical Laboratory Services	102010-0	Cincinnati	OH
Forensic Analytical Specialties, Inc.	101459-0	Hayward	CA
Forensic Analytical Specialties, Inc.	101459-1	Rancho Domingues	CA
Fountain Compliance Laboratory	200101-0	Somerset	NJ
Froehling & Robertson, Inc.	102060-0	Richmond	VA
FRS Geotech, Inc.	102078-0	Denver	CO
Fuji Buhin Kogyo Kabushiki Kaisha	200203-0	Ohta Gunma	JAPAN
Fujitsu Evaluation Engineering Laboratory	200281-0	Numazu, Shizuoka-Pref.	JAPAN
Fuserashi Gunma	200173-0	Gunma-Ken	JAPAN
G			
GA Environmental Services, Inc.	101996-0	Eddystone	PA
Galson Laboratories	101375-0	East Syracuse	NY
GCI Environmental Advisory, Inc.	101820-0	Wilkes-Barre	PA
GE Industrial Controls, Engineering Services - TEMS	200029-0	Rome	NY
GE Lighting- Engineering Support - NA	100398-0	Cleveland	OH
Gelles Laboratories, Inc.	101170-0	Columbus	OH

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Geo-Analytical Services, Inc.	102082-0	Atlanta	GA
Georgia Power Company/Enviro. Affairs, Enviro. Lab-Dosimetry	100551-0	Smyrna	GA
Geoscience Ltd.	100142-0	San Diego	CA
Ginna Nuclear Station	100514-0	Ontario	NY
GLE Associates, Inc.	102003-0	Tampa	FL
Global EMC Standard Tech. Corp.	200085-0	Taipei County	TAIWAN
GPU Nuclear Chemistry/Materials Labs.	102064-0	Reading	PA
GPU Nuclear Corp. Nuclear Services Division	100510-0	Middletown	PA
GSC Environmental Laboratories, Inc.	101626-0	Augusta	GA
Guardian Laboratories	101399-0	Louisville	KY

H

H.C. Nutting Company	100131-0	Cincinnati	OH
Hayes Microcomputer Products, Inc.	200103-0	Atlanta	GA
Health & Hygiene/ELB	101159-0	Greensboro	NC
Health Physics Northwest	100567-0	Tigard	OR
Health Science Associates	101384-0	Los Alamitos	CA
Henderson/Longfellow Associates, Inc.	102077-0	Tampa,	FL
Henry Troemner, Inc.	105013-0	Philadelphia	PA
Hewlett Packard, Product Test Lab, San Diego	200138-0	San Diego	CA
Hi-Tech Environmental and Laboratory Services	102013-0	Cypress	CA
HIH Laboratory, Inc.	101233-0	Webster	TX
Hillmann Environmental Company	101421-0	Union	NJ
Hitachi Information Technology Co., Nakai Test Site	200186-0	Kanagawa	JAPAN
Hollytex Carpet Mills, Inc.	100247-0	Anadarko	OK
Holometrix, Inc.	100113-0	Bedford	MA
Hub Testing Laboratory, Inc.	101045-0	Waltham	MA
Hubbell Lighting Photometric Laboratory	200020-0	Christiansburg	VA
Hufcor Laboratory	100239-0	Janesville	WI
Hygeia Environmental Inc.	102068-0	Dedham	MA
Hygeia Environmental Laboratories, Inc.	102116-0	Sierra Madre	CA
Hygeia Laboratories, Inc.	102087-0	Marietta	GA
HYGENIX, INC.	101199-0	Stamford	CT
Hygieneering, Inc.	101997-0	Willowbrook	IL
Hygienetics Laboratory Services	101147-0	Boston	MA

I

IBM Austin EMC	200112-0	Austin	TX
IBM Hudson Valley Acoustics Laboratory	100323-0	Poughkeepsie	NY
IBM Rochester EMC Lab	200091-0	Rochester	MN
IBM RTP IPCC EMC Test Labs	200200-0	Research Triangle Park	NC
IBM Yamato EMC Engineering	200198-0	Yamato Kanagawa	JAPAN
ICN Dosimetry Service, Div. of ICN Biomedicals, Inc.	100555-0	Costa Mesa	CA
Independent Materials Testing Laboratories, Inc.	100316-0	Plainville	CT
Independent Textile Testing Service, Inc.	100166-0	Dalton	GA
Indiana Automotive Fasteners, Inc.	200150-0	Greenfield	IN
Industrial Acoustics Company, Inc., Aero-Acoustics Laboratory	100404-0	Bronx	NY

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Industrial Laboratory	102115-0	Portsmouth	VA
InFocus Systems, Inc.	200152-0	Wilsonville	OR
InfoGard Laboratories	100432-0	San Luis Obispo	CA
Ingersoll Fasteners	200208-0	Ingersoll Ontario	CANADA
Inland Foundation Engineering, Inc.	100406-0	San Jacinto	CA
Institute for Environmental Assessment	101249-0	Brooklyn Park	MN
Instron Force Calibration Laboratory	105023-0	Canton	MA
Instrument Specialities Co., Inc.- Western Division	200119-0	Placentia	CA
Instrument Specialties Co., Inc.	200076-0	Delaware Water Gap	PA
Integrity Design & Test Services, Inc.	200004-0	Littleton	MA
Intermec Technologies Corporation, Norand Mobile System Division	100269-0	Cedar Rapids	IA
International Asbestos Testing Laboratory	101165-0	Mt. Laurel	NJ
International Compliance Corporation	100426-0	Lewisville	TX
International Standards Laboratory	200234-0	Hsichih Chen, Taipei	TAIWAN
Intertek Testing Services	200201-0	Menlo Park	CA
Intertek Testing Services NA Inc.	100270-0	Boxborough	MA
Intertek Testing Services NA Inc.	100274-0	Lexington	KY
Intertek Testing Services NA Inc.	100402-0	Cortland	NY
Intertek Testing Services NA Inc.	100409-0	Norcross	GA
Intertek Testing Services NA Inc.	200031-0	Middleton	WI
Intertek Testing Services NA, Inc.	200049-0	Lake Elmo	MN
Iowa Environmental Services, Inc.	101990-0	Des Moines	IA
IPS Corporation	200012-0	Nagano	JAPAN
Isomedix, Inc.	200235-0	Whippany	NJ
Ivaco Rolling Mills, Chemistry Laboratory	200143-0	L'Orignal Ontario	CANADA
J			
Japan Quality Assurance Org. Chubu Testing Center Shikatsu Branch	200190-0	Aichi	JAPAN
Japan Quality Assurance Org. Safety Testing Ctr. Tsuru EMC Branch	200192-0	Yamanashi	JAPAN
Japan Quality Assurance Organization Kita-Kansai Testing Center	200191-0	Osaka	JAPAN
Japan Quality Assurance Organization Safety Testing Center	200189-0	Tokyo	JAPAN
JLC Environmental Consultants, Inc.	101953-0	New York	NY
JMS Environmental Associates, Ltd.	102012-0	Westmont	IL
Johns Manville Technical Center	100425-0	Littleton	CO
K			
KAM Consultants	102047-0	Long Island City	NY
Kansai Electronic Industry Development Center, Ikoma Testing Lab.	200207-0	Ikoma Nara	JAPAN
Kellco Services, Inc.	101331-0	Fremont	CA
KETER Consultants, Inc.	101727-0	Willow Springs	IL
Kevco Services, Inc.	101941-0	Butler	PA
Key Tronic Corp.	200096-0	Spokane	WA
Kingston Environmental Laboratory	200041-0	Lee's Summit	MO
Knauf Fiber Glass Research Laboratory	100248-0	Shelbyville	IN
Knoxville Branch Laboratory-TN Dept. Health	101496-0	Knoxville	TN
Kobe Steel Ltd. Kobe Works	200169-0	Kobe	JAPAN
Korea Tokin EMC Engineering Co., Ltd.	200220-0	Namyangju-si, Kyunggi-Do	KOREA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
L			
Lab/Cor, Inc.	101920-0	Seattle	WA
Labcorp Analytics Laboratory	101004-0	Richmond	VA
Lambda Metrics	200122-0	Cedar Park	TX
Landauer, Inc.	100518-0	Glenwood	IL
Larron Laboratory	101415-0	Cape Girardeau	MO
Law Engineering and Environmental Services, Inc.	101066-0	Birmingham	AL
Law Engineering and Environmental Services, Inc.	101226-0	Charlotte	NC
Law Engineering and Environmental Services, Inc.	101515-0	Tampa	FL
Law Engineering and Environmental Services, Inc.	101515-1	Miami Lakes	FL
Law Engineering and Environmental Services, Inc.	101847-0	Sterling	VA
Law Engineering and Environmental Services, Inc.	101973-0	Dallas	TX
Law Engineering, Inc.	101152-0	Houston	TX
Law/Crandall	102035-0	Phoenix	AZ
Legend Technical Services, Inc.	102081-0	St. Paul	MN
Leland-Powell Fasteners, Inc. Fastener Testing Laboratory	200171-0	Martin	TN
Levecque Technical Center	100101-0	Blue Bell	PA
LEX Scientific Inc.	101949-0	Guelph Ontario	CANADA
LG Electronics, Inc., Quality and Reliability Center	200040-0	Seoul	KOREA
Liberty Labs, Inc.	200123-0	Kimballton	IA
Lithonia Testing Laboratories	200007-0	Conyers	GA
Lockheed Martin Control Systems EMI Laboratory	200142-0	Johnson City	NY
Lockheed Martin Missiles & Space	105017-0	Sunnyvale	CA
Lockheed Martin Utility Services, Inc.	101383-0	Piketon	OH
Loflin Environmental Services	102044-0	Houston	TX
Los Angeles Harbor Department Testing Laboratory	102020-0	Wilmington	CA
Los Angeles Unified School District	101505-0	Los Angeles	CA
Louisiana Department of Environmental Quality Microanalytical Lab	102000-0	Baton Rouge	LA
Lucent Technologies, Global Product Compliance Lab	100275-0	Holmdel	NJ
m			
m.a.c. Paran Consulting Services, Inc.	102108-0	Amelia	OH
M			
MAC Fasteners, Inc.	200141-0	Ottawa	KS
MacMillan Bloedel Packaging, Inc., Combined Board Test Lab	100259-0	Pine Hill	AL
MACS Lab, Inc.	101948-0	Santa Clara	CA
MagneTek (Lexington) Engineering Laboratory	200053-0	Lexington	TN
Mallinckrodt Group, Inc.	100503-0	Maryland Heights	MO

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
ManTech Environmental Corporation	101277-0	Rockville	MD
Marathon Electric - Wausau Engineering Lab.	200134-0	Wausau	WI
Marine Chemist Service, Inc.	101425-0	Newport News	VA
Materials Analytical Services, Inc.	101235-0	Norcross	GA
Materials Testing, Inc.	100320-0	Milford	CT
Matsushita EMC Center	100428-0	Taki-gun, Hyogo	JAPAN
Maxim Technologies, Inc.	101091-0	Dallas	TX
Maxim Technologies, Inc.	101091-1	Houston	TX
Maxim Technologies, Inc.	101292-0	Billings	MT
Maxim Technologies, Inc.	200046-0	St. Paul	MN
McCall and Spero Environmental, Inc.	101895-0	Louisville	KY
McKee Environmental Health, Inc.	101135-0	Friendswood	TX
MET Laboratories, Inc.	100273-0	Baltimore	MD
Metallic Material Laboratory in Toyota Motor Co.	200223-0	Toyota city Aichi	JAPAN
Metropolitan Evnironmental Testing Services	200165-0	Waldorf	MD
Michael & Associates	100427-0	State College	PA
Micro Air of Texas, Inc.	102008-0	Houston	TX
Micro Air, Inc.	101221-0	Indianapolis	IN
Micro Analytical Laboratories, Inc.	101151-0	Gainesville	FL
Micro Analytical Laboratories, Inc.	101872-0	Emeryville	CA
Micro Analytical Laboratories, Inc.	200054-0	San Francisco	CA
Micro Analytical, Inc.	101247-0	Milwaukee	WI
Microbac Laboratories, Inc.	101035-0	Erie	PA
Micron Environmental Labs	200294-0	Duarte	CA
Microscopic Analysis, Inc.	101037-0	St. Louis	MO
Midwest Laboratories, Inc.	101894-0	Countryside	IL
Mindcraft, Inc.	100342-0	Palo Alto	CA
Minnesota Metrology Laboratory	105003-0	St. Paul	MN
Mohawk Industries, Inc., Karastan Rug Mill Testing	100178-0	Eden	NC
Mohawk Industries, Inc.- Lyerly Plant	100156-0	Lyerly	GA
Motorola Product Quality Assurance Laboratory	200005-0	Mansfield	MA
Motorola SSTG EMC/TEMPEST Laboratory	100405-0	Scottsdale	AZ
Mountain Laboratories	101890-0	Spokane	WA
MPB Technologies, Inc. Ottawa	200282-0	Kanata, Ont.	CANADA
MRS., Analytical Laboratory, Inc.	102113-0	Louisville	KY
Muranaka Environmental Consultants, Inc.	102085-0	Honolulu	HI
Mystic Air Quality Consultants, Inc.	101282-0	Groton	CT

N

NAHB Research Center, Inc.	100104-0	Upper Marlboro	MD
NASA-Lewis Research Center	200130-0	Cleveland	OH
National Analytical Laboratories, Inc.	102080-0	Roseville	CA
National Computing Centre Ltd.	100357-0	Manchester	UNITED KINGDOM
National Econ Corporation	102062-0	Irvine	CA
National Econ Corporation	200047-0	Memphis	TN
National Environmental Reference Laboratory	101593-0	Denver	CO
Naval Dosimetry Center	100504-0	Bethesda	MD
Naval Nuclear Propulsion Program Directorate, Washington, D.C.	100565-0	Bremerton	WA
NAWC AD 5.1.7.3. EMI Lab	100408-0	Patuxent River	MD
NAWC-Aircarft Div. Lakehurst	200222-0	Lakehurst	NJ

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Electromagnetic Interference Lab.			
NAWCWPNS EMI Lab, China Lake/Pt. Mugu, CA	200199-0	China Lake	CA
Neutron Engineering Inc.	200145-0	Taipei	TAIWAN
New York Testing Laboratories, Inc.	101332-0	Bay Shore	NY
Newport News Shipbuilding Radiological Control Department	100561-0	Newport News	VA
Niche Analysis, Inc.	102057-0	Mount Vernon	NY
NJSP Calibration Laboratory	200006-0	Princeton	NJ
North American Analytical Labs, Inc.	101782-0	Abilene	TX
North Anna Power Station	100520-0	Mineral	VA
Northeast Test Consultants	101565-0	Westbrook	ME
Northeast Utilities Dosimetry Laboratory	100540-0	Newington	CT
Northern Telecom BVW Lab	200098-0	Belleville, Ontario	CANADA
Northern Telecom Inc.	100411-0	Santa Clara	CA
Northern Telecom Product Integrity Labs.	100350-0	Kanata Ontario	CANADA
Northern Testing Laboratories, Inc.	101463-0	Fairbanks	AK
Northwest EMC, Inc.	200059-0	Newberg	OR
Northwest Envirocon, Inc.	101869-0	Vancouver	WA
Northwestern Steel and Wire Company	200224-0	Sterling	IL
NOVA Environmental Services, Inc.	101545-0	Chaska	MN
NOVA Machine Products	200202-0	Middleburg Heights	OH
NVL Laboratories, Inc.	102063-0	Seattle	WA
NY Environmental & Material Testing Laboratories, Inc.	101967-0	Port Washington	NY

O

O & K Company Limited, Osaka Test Center	200166-0	Osaka-Shi	JAPAN
O'Brien & Gere Laboratories, Inc.	101343-0	Syracuse	NY
Oak Ridge Metrology Center, Dimensional Metrology	105000-0	Oak Ridge	TN
Oak Ridge National Laboratory	200228-0	Oak Ridge	TN
Oak Ridge National Laboratory Electric Machinery Center	200244-0	Oak Ridge	TN
OCCU-TEC, Inc.	102025-0	Kansas City	MO
Occupational Health Conservation, Inc.	102050-0	Jacksonville	FL
Ohtama Co., Ltd. Yamanashi EMC Test Site	200175-0	Yamanashi	JAPAN
Oklahoma Dept. of Environmental Quality-State Environmental Lab	102112-0	Oklahoma City	OK
Omni Environmental, Inc.	102061-0	Austin	TX
Osram Sylvania Inc., Test & Measurements Laboratory	100403-0	Beverly	MA
Owari Precise Products Co., Ltd.	200227-0	Nagoya	JAPAN
Owens Corning - Granville	100109-0	Granville	OH

P

PA DEP Bureau of Laboratories	101323-0	Harrisburg	PA
Pacific Environmental Services, Inc.	101190-0	Herndon	VA
Pacific Gas & Electric Company, Diablo Canyon Nuclear Power Plant	100537-0	Avila Beach	CA
Pacific Northwest National Laboratory	105020-0	Richland	WA
Pacific Rim Environmental, Inc.	101631-0	Tukwila	WA
Paradyne Corporation	200125-0	Largo	FL
PB Fasteners	200139-0	Gardena	CA
PBS Environmental Building Consultants,	101910-0	Portland	OR

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Inc.			
PCTEST Engineering Laboratory, Inc.	100431-0	Columbia	MD
PDE Laboratories	200082-0	San Clemente	CA
Pennoni Associates, Inc., Barnes and Jarnis Division	101553-0	Boston	MA
Pennsylvania Power and Light Company	100554-0	Allentown	PA
PEP Testing Laboratory	200097-0	Taipei Hsien	TAIWAN
Perennial, Inc.	100344-0	Santa Clara	CA
PFS Corporation	100421-0	Madison	WI
PFU Technoconsul EMC Center	200259-0	Ishikawa-Ken	JAPAN
Philip Analytical Services	101262-0	Reading	PA
Philip Environmental Services Corp.	101192-0	Columbia	IL
Philips Electronics Industries (TAIWAN) Ltd.	200137-0	Chungli, Taoyuan	TAIWAN
Philips Lighting Corporate Calibration & Standards Laboratory	100399-0	Fairmont	WV
Pinchin Environmental Consultants Ltd.	101270-0	Mississauga Ontario	CANADA
PMK Group, Inc.	101301-0	Kenilworth	NJ
Portsmouth Gaseous Diffusion Plant	100574-0	Piketon	OH
Precision Micro-Analysis, Inc.	101656-0	Sacramento	CA
Precision Testing Laboratories, Inc.	101580-0	Moore	OK
Prezant Associates, Inc.	101886-0	Seattle	WA
PRIMES (Preflight Integration of Munitions & Electronic Systems)	100422-0	Eglin Air Force Base	FL
Pro-Ac, Inc.	101585-0	Cincinnati	OH
Product Safety Engineering, Inc.	200074-0	Dade City	FL
Professional Service Industries, Inc., Pittsburgh Test. Lab. Div.	100430-0	Eugene	OR
Professional Testing (EMI), Inc.	200062-0	Round Rock	TX
Professional Testing Laboratory, Inc.	100297-0	Dalton	GA
ProScience Analytical Services, Inc.	200090-0	Woburn	MA
Proxtronics, Inc.	100573-0	Burke	VA
PSI	101342-0	Lawrence	KS
PSI	101350-0	Pittsburgh	PA
PSI	101755-0	New York	NY
PSI	101970-0	Brea	CA
PSI, Inc.	100319-0	North Haven	CT
PSI, Inc.	101070-0	Farmingdale	NY
PSI, Inc.	200042-0	New Berlin	WI
Puget Sound Naval Shipyard	101539-0	Bremerton	WA
Q			
QST Environmental	101991-0	Englewood	CO
QuanTEM Laboratories, LLC	101959-0	Oklahoma City	OK
Queen Carpet Test Laboratory	100429-0	Dalton	GA
Quest Engineering Solutions, Inc.	200036-0	N. Billerica	MA
Quest MicroAnalytics, Inc.	200249-0	Dallas	TX
R			
R & B Enterprises	100280-0	West Conshohocken	PA
R & D Services, Inc.	200265-0	Cookeville	TN
R. Robinson Analytical Services, Inc.	102041-0	Pensacola	FL
Radiation Detection Company	100512-0	Sunnyvale	CA
Radiation Laboratory, Taiwan Power Company	100562-0	Shihmen, Taipei	TAIWAN

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Radiation Technology, Inc.	200086-0	San Jose	CA
Rapid Environmental Management, Inc.	101974-0	Great Neck	NY
RCM Laboratories, Inc.	101853-0	Countryside	IL
Reservoirs Environmental Services, Inc.	101896-0	Denver	CO
Reservoirs Environmental Services, Inc.	101896-1	Houston	TX
Resources, Applications, Designs & Control, Inc. (RADCO)	100261-0	Long Beach	CA
Retlif Testing Laboratories	100267-0	Ronkonkoma	NY
Retlif Testing Laboratories	100267-1	Goffstown	NH
Rhein Tech Laboratories, Inc.	200061-0	Herndon	VA
RheinTexas, Inc.	200245-0	Plano	TX
RI Analytical Laboratories, Inc.	101440-0	Warwick	RI
Rice Lake Weighing Systems	105001-0	Rice Lake	WI
Ricoh Company, Ltd. Ohmori EMC Center	200163-0	Tokyo	JAPAN
Rightway Fasteners, Inc.	200210-0	Columbus	IN
Riverbank Acoustical Laboratories	100227-0	Geneva	IL
RJ Lee Group, Inc.	101208-0	Monroeville	PA
RJ Lee Group, Inc.	101208-2	San Leandro	CA
RJ Lee Group, Inc.	101208-3	Manassas	VA
RJ Lee Group, Inc.	101208-5	Houston	TX
Robbins Manufacturing Co., Inc.	200161-0	Fall River	MA
Rockford Engineering Services	200075-0	St. Leonard	MD
Rockford Engineering Services	200172-0	Sunol	CA
Rogers Consulting Labs, Inc.	200087-0	Overland Park	KS
Roy F. Weston, Inc.	101254-0	Auburn	AL
S			
S&ME, Inc.	102075-0	Charlotte	NC
Safe Environment of America	102021-0	Kent	WA
Saga Tekkohsho Co., Ltd.	200176-0	Fujisawa-city Kanagawa Pref.	JAPAN
San Shing Hardware Works Co., Ltd. Test Laboratory	200158-0	Tainan	TAIWAN
Sandia National Laboratories	105002-0	Albuquerque	NM
Sannohashi Corporation	200205-0	Yashioshi, Saitama-ken	JAPAN
Schneider Laboratories, Inc.	101150-0	Richmond	VA
Scientific Laboratories, Inc.	101904-0	Richmond	VA
Scientific Laboratories, Inc.	101904-1	New York	NY
SCILAB BOSTON, Inc.	102079-0	Weymouth	MA
SEAS, Inc.	101185-0	Blacksburg	VA
Seiko Epson Corporation	200157-0	Shiojiri-City Nagano	JAPAN
SGS U.S. Testing Company, Inc.	100416-0	Tulsa	OK
Small IAC Test Laboratory	200287-0	Peterborough, ON	CANADA
Solar Environmental Services, Inc.	102006-0	Anchorage	AK
Sony Atsugi EMC Site	200285-0	Shinagawa, Tokyo	JAPAN
South Carolina Department of Health & Environmental Control	101572-0	Columbia	SC
South Coast Air Quality Management District	101567-0	Diamond Bar	CA
South Texas Project Dosimetry Laboratory	100519-0	Wadsworth	TX
Southern California Edison	100506-0	San Clemente	CA
Southern California Edison Company	105014-0	Westminster	CA
Special Testing Laboratories, Inc.	100308-0	Bethel	CT
Spectrum Research & Testing Laboratory, Inc.	200099-0	Chun-Li, Taoyuan	TAIWAN
Spectrum Research & Testing Laboratory, Inc.	200100-0	Owings	MD

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Sporton International, Inc.	200079-0	Taipei Hsien	TAIWAN
SPS Technologies; Aerospace Products Division	200164-0	Jenkintown	PA
SSM/Laboratories, Inc.	101112-0	Reading	PA
St. of California, Bur. of Home Furnishings & Thermal Insulation	100251-0	North Highlands	CA
Stanley Engineering Inc.	101568-0	Oklahoma City	OK
STAT Analysis Corporation	101202-0	Chicago	IL
State of Connecticut	101237-0	Hartford	CT
State of Virginia Metrology Lab	105007-0	Richmond	VA
Steve Moody Micro Services, Inc.	102056-0	Carrollton	TX
Storagtek Open Area Test Site	200251-0	Louisville	CO
STS Consultants, Ltd.	100191-0	Northbrook	IL
Sugiura Seisakusho Co., Ltd.	200226-0	Nishio Aichi	JAPAN
Sumitomo Metal Technology, Inc. Kokura Division	200215-0	Kitakyushu	JAPAN
Sun City Analytical, Inc.	101870-0	El Paso	TX
Sundram Fasteners Limited (Inhouse test laboratory)	200212-0	Chennai (Madras), Tamil, Nadh	INDIA
Sundram Fasteners Limited Chemical Testing Laboratory	200256-0	Andhra Pradesh	INDIA

T

Taiwan Tokin EMC Eng. Corp.	200077-0	Taipei	TAIWAN
TAO/TA2 EMC Laboratory	200140-0	Taoyuan	TAIWAN
Taylor Environmental Group, Inc.	102101-0	Floral Park	NY
TC Analytics, Inc.	101672-0	Norfolk	VA
Technical Services Laboratory	101558-0	Long Island City	NY
Technical Services, Central Laboratory Operations	100193-0	Dalton	GA
Technology Products Assurance	200055-0	North York, Ontario	CANADA
Teledyne Brown Engineering Environmental Services	100533-0	Westwood	NJ
TEM, Incorporated	101130-0	Glen Ellyn	IL
Tennessee Valley Authority External Dosimetry Service	100516-0	Soddy-Daisy	TN
Terra-Mar, Inc.	101940-0	Dallas	TX
Test Site Services, Inc.	100419-0	Marlboro	MA
Test-Con Incorporated	200018-0	Danbury	CT
Testing Mechanics Corp.	102001-0	Seaford	NY
Testwell Craig Laboratories, Inc./Testwell Industries, Inc.	200083-0	Ossining	NY
The Perryman Company	200128-0	Houston	PA
The Scott Lawson Group, Ltd.	101228-0	Concord	NH
Thermo NUtech	100515-0	Albuquerque	NM
Thomas Lighting C & I Division, Photometric Laboratory	200016-0	Tupelo	MS
Timberco, Inc.- dba TECO	100420-0	Eugene	OR
Tokin EMC Engineering Co., Ltd. Kawasaki Facility	200217-0	Kawasaki-city, Kanagawa	JAPAN
Tokin EMC Engineering Co., Ltd. Nagoya Testing Laboratory	200219-0	Daian-cho, Inabe-gun, Mie	JAPAN
Tokin EMC Engineering Co., Ltd. Osaka Testing Laboratory	200218-0	Sanda-city, Hyogo	JAPAN

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Tokin EMC Engineering Co., Ltd. Tsukuba Testing Laboratory	200221-0	Tsukuba-city, Ibaraki	JAPAN
TolTest, Inc.	101594-0	Toledo	OH
Topura Co., Ltd.	200181-0	Hadano Kanagawa	JAPAN
Topura Co., Ltd. Osaka	200242-0	Katano 576 Osaka	JAPAN
Topura Co., Ltd. Tokai	200243-0	Ogasagun 437-16 Shizuoka	JAPAN
Toshiba Corp., Ome Works	200107-0	Ome Tokyo	JAPAN
Toshiba/Houston Test Laboratory	200088-0	Houston	TX
Training Research Co., Ltd.	200174-0	Taipei	TAIWAN
TRC Environmental Corporation	101424-0	Windsor	CT
Tremco, Inc. - Roofing Division, An RPM Company	101188-0	Beachwood	OH
Tri-State Materials Testing Lab, Inc.	200010-0	Newington	CT
Triad, Inc.	102073-0	Huntington	WV
Troxler Radiation Monitoring Svc. a div. of Troxler Elect. Labs	100559-0	Research Triangle Park	NC
TSi, Testing Services, Inc.	100108-0	Dalton	GA
TU Electric-Comanche Peak Steam Electric Station	100528-0	Glen Rose	TX
TUV Product Service, Inc.	100268-0	San Diego	CA
TUV Product Service, Inc.	100271-0	New Brighton	MN
TUV Product Service, Inc.	100271-1	Boulder	CO
TUV Rheinland of North America, Inc.	200111-0	Newtown	CT
Twin Ports Testing, Inc.	102083-0	Superior	WI
U			
U.S. Army Center for Health Promotion and Preventive Medicine	200044-0	Aberdeen Proving Ground	MD
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL
U.S. Army Radiation Standards & Dosimetry Laboratory	100539-0	Redstone Arsenal	AL
U.S. EPA - National Enforcement Investigations Center	101703-0	Denver	CO
UltraTech Engineering Labs Inc.	200093-0	Mississauga, Ontario	CANADA
Underwriters Laboratories	200252-0	Santa Clara	CA
Underwriters Laboratories Inc.	100414-0	Northbrook	IL
Underwriters Laboratories Inc.	200214-0	Camas	WA
Underwriters Laboratories, Inc.	100255-0	Melville	NY
Underwriters Laboratories, Inc.	200246-0	Research Triangle Park	NC
Union Electric Company, Callaway Plant	100502-0	Fulton	MO
United Analytical Services, Inc.	101732-0	Hillside	IL
United States Dosimetry Technology, Inc.	100571-0	Richland	WA
United States Technologies, Inc.	200162-0	Alpharetta	GA
Universal Compliance Laboratories	200117-0	San Jose	CA
University (State) Hygienic Laboratory	101288-0	Iowa City	IA
University of Alabama Asbestos Laboratory	102005-0	Tuscaloosa	AL
USAF Armstrong Laboratory/OEBD	100548-0	Brooks AFB	TX
USG Research-Systems Evaluation Laboratory	200132-0	Libertyville	IL
V			
Vartest Laboratories, Inc.	200027-0	New York	NY
Vermont Fasteners Manufacturing	200254-0	Swanton	VT
Versar, Inc.	101122-0	Springfield	VA
Vibro-Acoustics Laboratory	100424-0	Scarborough Ontario	CANADA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Volz Environmental Services, Inc.	101269-0	Pittsburgh	PA
Vortex Inc./DBA V-Lab	102105-0	Warwick	RI
W			
W.R. Grace & Co.	200258-0	Cambridge	MA
Walker Bolt Manufacturing Co.	200126-0	Houston	TX
Washington Laboratories, Ltd.	200066-0	Gaithersburg	MD
Washington Metropolitan Area Transit Authority QLAS Laboratory	100313-0	Washington	DC
Waste Management Federal Services of Hanford, Inc.	101058-0	Richland	WA
Water, Earth Solutions & Technologies, Inc.	102043-0	Dallas	TX
Wausau Insurance Companies	101079-0	Wausau	WI
Wayne Langston, Inc.	200021-0	League City	TX
Webber Gage Division / L.S. Starrett Co.	200038-0	Cleveland	OH
Western Analytical Laboratory	200037-0	Burbank	CA
Western Electro-Acoustic Lab., Inc.	100256-0	Santa Monica	CA
White Environmental Consultants Inc.	200124-0	Anchorage	AK
Willamette Industries, Inc. West Coast Development Lab	200045-0	Wilsonville	OR
Williams & Associates, Inc.	102027-0	Memphis	TN
Wilson-Garner Company	200136-0	Harrison Township	MI
Wisconsin Occupational Health Laboratory	101109-0	Madison	WI
WKP Laboratories, Inc.	101950-0	Ossining	NY
WMI Environmental Services	102065-0	Kalamazoo	MI
Wolverine Plating Corp.	200230-0	Roseville	MI
World Carpets, Inc.	100197-0	Dalton	GA

(See 'How To Use This Directory' on page 7.)

INDEX

B

LISTING BY FIELD OF ACCREDITATION

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
CALIBRATION LABORATORIES GROUP			
Dimensional			
Lockheed Martin Missiles & Space	105017-0	Sunnyvale	CA
Minnesota Metrology Laboratory	105003-0	St. Paul	MN
Oak Ridge Metrology Center, Dimensional Metrology	105000-0	Oak Ridge	TN
Southern California Edison Company	105014-0	Westminster	CA
State of Virginia Metrology Lab	105007-0	Richmond	VA
Webber Gage Division / L.S. Starrett Co.	200038-0	Cleveland	OH
Electromagnetics - DC/Low Frequency			
Fluke Corporation Primary Standards Laboratory	105016-0	Everett	WA
GE Industrial Controls, Engineering Services - TEMS	200029-0	Rome	NY
Lockheed Martin Missiles & Space	105017-0	Sunnyvale	CA
Sandia National Laboratories	105002-0	Albuquerque	NM
Southern California Edison Company	105014-0	Westminster	CA
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL
Electromagnetics - RF/Microwave			
Liberty Labs, Inc.	200123-0	Kimballton	IA
Sandia National Laboratories	105002-0	Albuquerque	NM
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL
Ionizing Radiation			
CDRH X-Ray Calibration Laboratory	105018-0	Rockville	MD
Isomedix, Inc.	200235-0	Whippany	NJ
Pacific Northwest National Laboratory	105020-0	Richland	WA
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL
Mechanical			
AlliedSignal FM&T Metrology	200108-0	Kansas City	MO
Denver Instrument Co. Weight Lab	200106-0	Arvada	CO
Henry Troemner, Inc.	105013-0	Philadelphia	PA
Instron Force Calibration Laboratory	105023-0	Canton	MA
Lockheed Martin Missiles & Space	105017-0	Sunnyvale	CA
Minnesota Metrology Laboratory	105003-0	St. Paul	MN
Rice Lake Weighing Systems	105001-0	Rice Lake	WI
Southern California Edison Company	105014-0	Westminster	CA
State of Virginia Metrology Lab	105007-0	Richmond	VA
Thermodynamic			
Minnesota Metrology Laboratory	105003-0	St. Paul	MN
State of Virginia Metrology Lab	105007-0	Richmond	VA
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL
Time & Frequency			
Lockheed Martin Missiles & Space	105017-0	Sunnyvale	CA
Sandia National Laboratories	105002-0	Albuquerque	NM
State of Virginia Metrology Lab	105007-0	Richmond	VA
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
COMPUTER/ELECTRONICS GROUP			
Cryptographic Modules Testing			
Cryptographic Equipment Assessment Lab. (CEAL)	200002-0	McLean	VA
DOMUS Software Limited ITSEC Laboratory	200017-0	Ottawa Ontario	CANADA
InfoGard Laboratories	100432-0	San Luis Obispo	CA
GOSIP			
Control Data OSI Accredited Test Center	100354-0	Arden Hills	MN
National Computing Centre Ltd.	100357-0	Manchester	UNITED KINGDOM
POSIX			
Mindcraft, Inc.	100342-0	Palo Alto	CA
Perennial, Inc.	100344-0	Santa Clara	CA
Federal Communications Commission (FCC) Methods			
3M Product Safety EMC Laboratory	200033-0	St. Paul	MN
A-Pex International Co., Ltd. Yokowa Laboratory	200109-0	Mie-ken	JAPAN
Advance Data Technology Corporation	200102-0	Taipei Hsien	TAIWAN
AHD	200129-0	Dowagiac	MI
Akzo Kashima Ltd. Kakegawa EMC Test Site	100290-2	Shizuoka	JAPAN
Akzo Kashima Ltd., Kashima EMC Site	100290-0	Ibaraki	JAPAN
Akzo Kashima Ltd., Matsuda EMC Test Site	100290-4	Kanagawa	JAPAN
Akzo Kashima Ltd., Nagano EMC Test Site	100290-3	Nagano	JAPAN
Akzo Kashima Ltd., Tochigi EMC Test Site	100290-5	Tochigi	JAPAN
Akzo Kashima Ltd., Yokohama Test Center	100290-1	Yokohama	JAPAN
Alliant Techsystems	200084-0	Annapolis	MD
Analab, LLC	200260-0	Sterling	PA
Apple Computer, Inc., EMC Compliance Laboratory	200071-0	Cupertino	CA
AST Research, Inc. EMC Lab.	200135-0	Irvine	CA
Bay Area Compliance Laboratory, Corp.	200167-0	Sunnyvale	CA
Cabletron Systems, Inc.	200121-0	Rochester	NH
Certelecom Laboratories, Inc.	100351-0	Ottawa Ontario	CANADA
Certelecom Laboratories, Inc.	100351-1	Ogdensburg	NY
Chemitox EMC Research, Inc.	200120-0	Yamanashi-ken	JAPAN
Chomerics Test Services (CTS)	100296-0	Woburn	MA
Cisco Systems, Inc.	200114-0	San Jose	CA
Communication Certification Laboratory	100272-0	Salt Lake City	UT
Compaq Computer Corp. Emissions Control Lab	200058-0	Houston	TX
Compatible Electronics, Inc.	200063-0	Agoura	CA
Compliance Eng. Svces, Inc. d.b.a. Compliance Consulting Services	200064-0	Sunnyvale	CA
Compliance Eng. Svces, Inc., Compliance Consulting Services	200065-0	Sunnyvale	CA
Compliance Test Laboratories, Inc.	200237-0	Liberty	SC
Cosmos Corporation	200151-0	Watarai-gun Mie	JAPAN
Criterion Technology	100396-0	Rollinsville	CO
Curtis-Straus LLC	200057-0	Littleton	MA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
D.L.S. Electronic Systems, Inc.	100276-0	Wheeling	IL
Data General Corporation	100339-0	Westboro	MA
Dell Regulatory Test Laboratories	200052-0	Round Rock	TX
Detecon Inc. Type Approval Division	200039-0	St. Paul	MN
Digital Equipment Corp., EMC Test Facility	200078-0	Colorado Springs	CO
Digital Regulatory Engineering and Testing Services	100413-0	Marlboro	MA
Electro Magnetic Test, Inc.	200147-0	Mountain View	CA
Electromagnetic Engineering Services, Inc. "EESI"	200116-0	San Diego	CA
Electronic Compliance Laboratories, Inc.	200089-0	Sunnyvale	CA
Electronic Research & Service Organization/ITRI	200118-0	Hsinchu	TAIWAN
Electronics Testing Center, Taiwan	200133-0	Taoyuan Hsien	TAIWAN
Elite Electronic Engineering Company	100278-0	Downers Grove	IL
Elliott Laboratories, Inc.	200069-0	Sunnyvale	CA
EMC Compliance Mgmt Group, dba Turntech Scientific & Instr., Inc.	200068-0	Mountain View	CA
EMC International, Inc.	200094-0	Youngsville	NC
EMC Kashima Corporation	200070-0	Chiba-ken	JAPAN
Fountain Compliance Laboratory	200101-0	Somerset	NJ
Fujitsu Evaluation Engineering Laboratory	200281-0	Numazu, Shizuoka-Pref.	JAPAN
Global EMC Standard Tech. Corp.	200085-0	Taipei County	TAIWAN
Hayes Microcomputer Products, Inc.	200103-0	Atlanta	GA
Hewlett Packard, Product Test Lab, San Diego	200138-0	San Diego	CA
Hitachi Information Technology Co., Nakai Test Site	200186-0	Kanagawa	JAPAN
IBM Austin EMC	200112-0	Austin	TX
IBM Rochester EMC Lab	200091-0	Rochester	MN
IBM RTP IPCC EMC Test Labs	200200-0	Research Triangle Park	NC
IBM Yamato EMC Engineering	200198-0	Yamato Kanagawa	JAPAN
InFocus Systems, Inc.	200152-0	Wilsonville	OR
Instrument Specialities Co., Inc.- Western Division	200119-0	Placentia	CA
Instrument Specialties Co., Inc.	200076-0	Delaware Water Gap	PA
Integrity Design & Test Services, Inc.	200004-0	Littleton	MA
Intermec Technologies Corporation, Norand Mobile System Division	100269-0	Cedar Rapids	IA
International Compliance Corporation	100426-0	Lewisville	TX
International Standards Laboratory	200234-0	Hsichih Chen, Taipei	TAIWAN
Intertek Testing Services	200201-0	Menlo Park	CA
Intertek Testing Services NA Inc.	100270-0	Boxborough	MA
Intertek Testing Services NA Inc.	100274-0	Lexington	KY
Intertek Testing Services NA Inc.	100409-0	Norcross	GA
Intertek Testing Services NA, Inc.	200049-0	Lake Elmo	MN
IPS Corporation	200012-0	Nagano	JAPAN
Japan Quality Assurance Org. Chubu Testing Center Shikatsu Branch	200190-0	Aichi	JAPAN
Japan Quality Assurance Org. Safety Testing Ctr. Tsuru EMC Branch	200192-0	Yamanashi	JAPAN
Japan Quality Assurance Organization	200191-0	Osaka	JAPAN

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Kita-Kansai Testing Center			
Japan Quality Assurance Organization Safety Testing Center	200189-0	Tokyo	JAPAN
Kansai Electronic Industry Development Center, Ikoma Testing Lab.	200207-0	Ikoma Nara	JAPAN
Key Tronic Corp.	200096-0	Spokane	WA
Korea Tokin EMC Engineering Co., Ltd.	200220-0	Namyangju-si, Kyunggi-Do	KOREA
Lambda Metrics	200122-0	Cedar Park	TX
LG Electronics, Inc., Quality and Reliability Center	200040-0	Seoul	KOREA
Lucent Technologies, Global Product Compliance Lab	100275-0	Holmdel	NJ
Matsushita EMC Center	100428-0	Taki-gun, Hyogo	JAPAN
MET Laboratories, Inc.	100273-0	Baltimore	MD
Motorola Product Quality Assurance Laboratory	200005-0	Mansfield	MA
Motorola SSTG EMC/TEMPEST Laboratory	100405-0	Scottsdale	AZ
MPB Technologies, Inc. Ottawa	200282-0	Kanata, Ont.	CANADA
Neutron Engineering Inc.	200145-0	Taipei	TAIWAN
Northern Telecom BVW Lab	200098-0	Belleville, Ontario	CANADA
Northern Telecom Inc.	100411-0	Santa Clara	CA
Northern Telecom Product Integrity Labs.	100350-0	Kanata Ontario	CANADA
Northwest EMC, Inc.	200059-0	Newberg	OR
Ohtama Co., Ltd. Yamanashi EMC Test Site	200175-0	Yamanashi	JAPAN
Paradyne Corporation	200125-0	Largo	FL
PCTEST Engineering Laboratory, Inc.	100431-0	Columbia	MD
PDE Laboratories	200082-0	San Clemente	CA
PEP Testing Laboratory	200097-0	Taipei Hsien	TAIWAN
PFU Technoconsul EMC Center	200259-0	Ishikawa-Ken	JAPAN
Philips Electronics Industries (TAIWAN) Ltd.	200137-0	Chungli, Taoyuan	TAIWAN
Product Safety Engineering, Inc.	200074-0	Dade City	FL
Professional Testing (EMI), Inc.	200062-0	Round Rock	TX
Quest Engineering Solutions, Inc.	200036-0	N. Billerica	MA
R & B Enterprises	100280-0	West Conshohocken	PA
Radiation Technology, Inc.	200086-0	San Jose	CA
Retlif Testing Laboratories	100267-0	Ronkonkoma	NY
Retlif Testing Laboratories	100267-1	Goffstown	NH
Rhein Tech Laboratories, Inc.	200061-0	Herndon	VA
RheinTexas, Inc.	200245-0	Plano	TX
Ricoh Company, Ltd. Ohmori EMC Center	200163-0	Tokyo	JAPAN
Rockford Engineering Services	200075-0	St. Leonard	MD
Rockford Engineering Services	200172-0	Sunol	CA
Rogers Consulting Labs, Inc.	200087-0	Overland Park	KS
Seiko Epson Corporation	200157-0	Shiojiri-City Nagano	JAPAN
Sony Atsugi EMC Site	200285-0	Shinagawa, Tokyo	JAPAN
Spectrum Research & Testing Laboratory, Inc.	200099-0	Chun-Li, Taoyuan	TAIWAN
Spectrum Research & Testing Laboratory, Inc.	200100-0	Owings	MD
Sporton International, Inc.	200079-0	Taipei Hsien	TAIWAN
Storagtek Open Area Test Site	200251-0	Louisville	CO

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Taiwan Tokin EMC Eng. Corp.	200077-0	Taipei	TAIWAN
TAO/TA2 EMC Laboratory	200140-0	Taoyuan	TAIWAN
Technology Products Assurance	200055-0	North York, Ontario	CANADA
Test Site Services, Inc.	100419-0	Marlboro	MA
Tokin EMC Engineering Co., Ltd. Kawasaki Facility	200217-0	Kawasaki-city, Kanagawa	JAPAN
Tokin EMC Engineering Co., Ltd. Nagoya Testing Laboratory	200219-0	Daian-cho, Inabe-gun, Mie	JAPAN
Tokin EMC Engineering Co., Ltd. Osaka Testing Laboratory	200218-0	Sanda-city, Hyogo	JAPAN
Tokin EMC Engineering Co., Ltd. Tsukuba Testing Laboratory	200221-0	Tsukuba-city, Ibaraki	JAPAN
Toshiba Corp., Ome Works	200107-0	Ome Tokyo	JAPAN
Training Research Co., Ltd.	200174-0	Taipei	TAIWAN
TUV Product Service, Inc.	100268-0	San Diego	CA
TUV Product Service, Inc.	100271-0	New Brighton	MN
TUV Product Service, Inc.	100271-1	Boulder	CO
TUV Rheinland of North America, Inc.	200111-0	Newtown	CT
UltraTech Engineering Labs Inc.	200093-0	Mississauga, Ontario	CANADA
Underwriters Laboratories	200252-0	Santa Clara	CA
Underwriters Laboratories Inc.	100414-0	Northbrook	IL
Underwriters Laboratories Inc.	200214-0	Camas	WA
Underwriters Laboratories, Inc.	100255-0	Melville	NY
Underwriters Laboratories, Inc.	200246-0	Research Triangle Park	NC
United States Technologies, Inc.	200162-0	Alpharetta	GA
Universal Compliance Laboratories	200117-0	San Jose	CA
Washington Laboratories, Ltd.	200066-0	Gaithersburg	MD
Wayne Langston, Inc.	200021-0	League City	TX
MIL-STD-462 Test Methods			
Acton Environmental Testing, dba National Technical Systems	100347-0	Boxborough	MA
Eaton E3 Laboratory	100382-0	Southfield	MI
Elite Electronic Engineering Company	100278-0	Downers Grove	IL
Intertek Testing Services NA Inc.	100270-0	Boxborough	MA
Lockheed Martin Control Systems EMI Laboratory	200142-0	Johnson City	NY
Motorola SSTG EMC/TEMPEST Laboratory	100405-0	Scottsdale	AZ
NAWC AD 5.1.7.3. EMI Lab	100408-0	Patuxent River	MD
NAWC-Aircarft Div. Lakehurst Electromagnetic Interference Lab.	200222-0	Lakehurst	NJ
NAWCWPNS EMI Lab, China Lake/Pt. Mugu, CA	200199-0	China Lake	CA
PRIMES (Preflight Integration of Munitions & Electronic Systems)	100422-0	Eglin Air Force Base	FL
R & B Enterprises	100280-0	West Conshohocken	PA
Retlif Testing Laboratories	100267-0	Ronkonkoma	NY
TUV Product Service, Inc.	100268-0	San Diego	CA
TUV Product Service, Inc.	100271-0	New Brighton	MN

DOSIMETRY GROUP

Ionizing Radiation Dosimetry

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Arizona Public Service Co., Palo Verde Nuclear Generating Station	100536-0	Tonopah	AZ
Atomic Energy Industrial Laboratory of the Southwest, Inc.	100556-0	Houston	TX
Baltimore Gas & Electric Company	100501-0	Lusby	MD
Battelle - Pacific Northwest National Laboratory	200216-0	Richland	WA
Carolina Power & Light Company, Harris Energy & Enviro. Center	100517-0	New Hill	NC
Clinton Power Station	100570-0	Clinton	IL
Com Ed - TLD Processing Lab - CTEAM Facility	100541-0	Bolingbrook	IL
Combustion Engineering, Inc.	100563-0	Windsor	CT
Con Edison, Indian Point	100538-0	Buchanan	NY
Detroit Edison, Fermi 2 Dosimetry Laboratory	100529-0	Newport	MI
Duke Engineering and Services Environmental Laboratory	100524-0	Bolton	MA
Duke Power Company Dosimetry Laboratory	100505-0	Charlotte	NC
Duquesne Light Company, Beaver Valley Power Station	100521-0	Shippingport	PA
Electric Boat Corp/A General Dynamics Co. Radiological Ctrl. Dept	100560-0	Groton	CT
Entergy Operations, Inc.	100535-0	Taft	LA
Florida Power & Light Company	100544-0	Juno Beach	FL
Georgia Power Company/Enviro. Affairs, Enviro. Lab-Dosimetry	100551-0	Smyrna	GA
Ginna Nuclear Station	100514-0	Ontario	NY
GPU Nuclear Corp. Nuclear Services Division	100510-0	Middletown	PA
Health Physics Northwest	100567-0	Tigard	OR
ICN Dosimetry Service, Div. of ICN Biomedicals, Inc.	100555-0	Costa Mesa	CA
Landauer, Inc.	100518-0	Glenwood	IL
Mallinckrodt Group, Inc.	100503-0	Maryland Heights	MO
Naval Dosimetry Center	100504-0	Bethesda	MD
Naval Nuclear Propulsion Program Directorate, Washington, D.C.	100565-0	Bremerton	WA
Newport News Shipbuilding Radiological Control Department	100561-0	Newport News	VA
NJSP Calibration Laboratory	200006-0	Princeton	NJ
North Anna Power Station	100520-0	Mineral	VA
Northeast Utilities Dosimetry Laboratory	100540-0	Newington	CT
Pacific Gas & Electric Company, Diablo Canyon Nuclear Power Plant	100537-0	Avila Beach	CA
Pennsylvania Power and Light Company	100554-0	Allentown	PA
Portsmouth Gaseous Diffusion Plant	100574-0	Piketon	OH
Proxtronics, Inc.	100573-0	Burke	VA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Radiation Detection Company	100512-0	Sunnyvale	CA
Radiation Laboratory, Taiwan Power Company	100562-0	Shihmen, Taipei	TAIWAN
South Texas Project Dosimetry Laboratory	100519-0	Wadsworth	TX
Southern California Edison	100506-0	San Clemente	CA
Teledyne Brown Engineering Environmental Services	100533-0	Westwood	NJ
Tennessee Valley Authority External Dosimetry Service	100516-0	Soddy-Daisy	TN
Thermo NUtech	100515-0	Albuquerque	NM
Troxler Radiation Monitoring Svc. a div. of Troxler Elect. Labs	100559-0	Research Triangle Park	NC
TU Electric-Comanche Peak Steam Electric Station	100528-0	Glen Rose	TX
U.S. Army Radiation Standards & Dosimetry Laboratory	100539-0	Redstone Arsenal	AL
Union Electric Company, Callaway Plant	100502-0	Fulton	MO
United States Dosimetry Technology, Inc.	100571-0	Richland	WA
USAF Armstrong Laboratory/OEBD	100548-0	Brooks AFB	TX

ENVIRONMENTAL GROUP

Asbestos Fiber Analysis (PLM Test Method)

A & B Environmental Services, Inc.	101793-0	Houston	TX
A T Labs	101062-0	Youngstown	OH
A.R.C. Laboratories, Inc.	101832-0	Grand Forks	ND
AAC Trinity, Inc.	101168-0	Farmington Hills	MI
ABM Environmental Consultants, Inc.	102015-0	Long Island City	NY
Accredited Environmental Technologies, Inc.	101051-0	Media	PA
Accredited Environmental Technologies, Inc.	200236-0	Leland	NC
ACM Environmental, Inc.	101977-0	South Bend	IN
Advanced Industrial Hygiene Services, Inc.	101006-0	Miami	FL
AET Environmental, Inc.	101610-0	Cherry Hill	NJ
AGX, Inc.	101578-0	Cranberry Township	PA
Aires Consulting Group, Inc.	101014-0	Batavia	IL
AIResearch, Inc.	101868-0	Wauwatosa	WI
Airtek Environmental Corp.	102011-0	New York	NY
All State Engineering & Testing Consultants, Inc.	102096-0	Davie	FL
Allegheny Asbestos Analysis	101704-0	Carnegie	PA
Allison Analytical Services, Inc.	101330-0	Worthington	OH
Alpine Consulting, Inc.	102089-0	Colorado Springs	CO
AMA Analytical Services, Inc.	101143-0	Lanham	MD
Ambient Labs, Inc.	101618-0	New York	NY
American Asbestos Laboratories, Inc.	101775-0	Miami	FL
American Electric Power, Environmental Laboratory	102102-0	Columbus	OH
American Environmental Network (Massachusetts)	101005-0	N. Billerica	MA
American Medical Laboratories	101136-0	Chantilly	VA
AMS-NATEC Environmental Services, Inc.	101155-0	Garden Grove	CA
Analytica Solutions, Inc.	101086-0	Broomfield	CO

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Analytical Environmental Services International, Inc.	200051-0	Hato Rey	PR
Analytical Environmental Services, Inc.	102033-0	Atlanta	GA
Analytical Industries, Inc.	101855-0	Paducah	KY
Analytical Labs San Francisco, Inc.	101909-0	San Francisco	CA
Apex Research Laboratory	102118-0	Whitmore Lake	MI
Apollo Environmental, Inc.	101871-0	Gibsonton	FL
Applied Environmental, Inc.	101611-0	Reston	VA
ASBESTECH	101442-0	Carmichael	CA
Asbestos Analysis and Information Service, Inc.	101261-0	Four Oaks	NC
Asbestos Analytical	101771-0	Tucson	AZ
Asbestos Consulting & Testing (ACT)	101649-0	Lenexa	KS
Asbestos Control Program Laboratory	101888-0	Corona	NY
Asbestos Detection Co., Inc.	101172-0	Garden Grove	CA
Asbestos TEM Laboratories, Inc.	101891-0	Berkeley	CA
Asbestos TEM Laboratories, Inc.	200104-0	Sparks	NV
Assaigai Analytical Laboratories, Inc.	101457-0	Albuquerque	NM
ATC Associates Inc.	102071-0	Cincinnati	OH
ATC Associates, Inc.	101187-0	New York	NY
ATC Associates, Inc.	101265-0	Indianapolis	IN
ATC Associates, Inc.	101265-2	Dallas	TX
ATC Associates, Inc.	101265-8	Miami	FL
ATC Associates, Inc.	200250-0	Columbia	MD
ATC Environmental, Inc.	102031-0	Denver	CO
Athenica Environmental Services, Inc.	101958-0	Long Island City	NY
Aurora Consolidated Laboratories	101661-0	West Allis	WI
Batta Laboratories, Inc.	101032-0	Newark	DE
Bay Area Air Quality Management District	102090-0	San Francisco	CA
BCM Engineers	101374-0	Norristown	PA
Beling Consultants, Inc.	101356-0	Moline	IL
Bell Laboratories, Division Lucent Technologies, Inc.	101965-0	Murray Hill	NJ
Bellatrix Analytical Laboratories, LLC	102110-0	Scottsdale	AZ
Big Rivers Electric Corp.	200028-0	Henderson	KY
Bodycote Industrial Testing Ltd.	101072-0	St. Louis	MO
Braun Intertec Corporation	101234-0	Minneapolis	MN
Cam Environmental	200240-0	Pasadena	TX
CAMCO Lab	101803-0	Fontana	CA
Cape Environmental Management, Inc.	102111-0	Atlanta	GA
Carnow, Conibear & Associates Ltd.	101039-0	Chicago	IL
Carolina Environmental, Inc.	101768-0	Raleigh	NC
Chatfield Technical Consulting Limited	101103-0	Mississauga Ontario	CANADA
ChemScope, Inc.	101061-0	North Haven	CT
CHEMTEX Environmental Laboratory, Inc.	200025-0	Port Arthur	TX
Chopra-Lee, Inc.	200095-0	Grand Island	NY
City of Austin-Holly Chemistry Lab.	200014-0	Austin	TX
City of Los Angeles Department of Water and Power	101111-0	Los Angeles	CA
Clark County School District	101220-0	Henderson	NV
Clayton Environmental Consultants, Inc.	101106-0	Seattle	WA
Clayton Laboratory Services	101125-0	Kennesaw	GA

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
ComEd	101749-0	Bolingbrook	IL
Concord Analysis, Inc.	101884-0	Chatsworth	CA
Continental Envirotech, Inc.	200080-0	Mesa	AZ
Converse Consultants MR, Inc.	102091-0	Reno	NV
Covino Environmental Associates, Inc.	101781-0	Woburn	MA
Criterion Laboratories, Inc.	102046-0	Bensalem	PA
CT&E Environmental Services Inc.	200067-0	San Diego	CA
CTL Environmental Services	101216-0	Carson	CA
Dames & Moore, Inc.	101433-0	Salem	NH
DataChem Laboratories	101917-0	Cincinnati	OH
Davis & Floyd, Inc.	101410-0	Greenwood	SC
DCM Science Laboratory, Inc.	101258-0	Lakewood	CO
Department of Environmental Health Industrial Hygiene Laboratory	101530-0	San Diego	CA
Design for Health, Inc.	101864-0	San Diego	CA
Detail Associates, Inc.	102100-0	Englewood	NJ
DHMH-Air Quality Laboratory	101523-0	Baltimore	MD
Dixon Information Inc.	101012-0	South Salt Lake	UT
DLZ Laboratories, Inc.	101060-0	Columbus	OH
Dolphin Environmental Consultants	102086-0	Stafford	TX
Dove Environmental Corporation	102053-0	Miami Lakes	FL
EAI, Inc.	102114-0	Jersey City	NJ
Eastern Analytical Services, Inc.	101646-0	Elmsford	NY
EcoSystems Engineering, Inc.	101162-0	Carrollton	TX
ECS/Wagner Environmental	101064-0	Eugene	OR
EEC, Inc.	101088-0	Raleigh	NC
EG&G Environmental Health PLM Laboratory	101759-0	Kennedy Space Center	FL
Electro-Analytical, Inc.	101019-0	Mentor	OH
EMG, Company (Environmental Monitoring Group)	200060-0	Garden Grove	CA
EMS Laboratories, Inc.	101218-0	Pasadena	CA
EMSL Analytical, Inc.	101048-0	Westmont	NJ
EMSL Analytical, Inc.	101048-1	Smyrna	GA
EMSL Analytical, Inc.	101048-2	Piscataway	NJ
EMSL Analytical, Inc.	101048-3	San Mateo	CA
EMSL Analytical, Inc.	101048-4	Ann Arbor	MI
EMSL Analytical, Inc.	101048-9	New York	NY
EMSL Analytical, Inc.	101048-10	Carle Place	NY
EMSL Analytical, Inc.	102104-0	Greensboro	NC
EMSL Analytical, Inc.	102106-0	Houston	TX
EMSL Analytical, Inc.	200019-0	Seattle	WA
EMSL Analytical, Inc.	200034-0	Dallas	TX
EMSL Analytical, Inc.	200056-0	Williamsville	NY
EMSL Analytical, Inc.	200188-0	Indianapolis	IN
EMSL Analytical, Inc.	200204-0	N. Miami Beach	FL
EMSL Analytical, Inc.	200232-0	S. Pasadena	CA
EMSL Analytical, Inc.	200247-0	Charlotte	NC
EMSL Analytical, Inc.	200293-0	Beltsville	MD
ENCORP	200013-0	El Segundo	CA
ENSR Corporation	101148-0	Dallas	TX
Enviro Techniques, Inc.	200024-0	Paterson	NJ

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Enviro-Probe, Inc.	101222-0	Bronx	NY
EnviroMed Services, Inc.	101514-0	New Haven	CT
Environmental Enterprise Group(EEG), Inc.	101587-0	Russellville	AR
Environmental Hazards Services, Inc.	101882-0	Richmond	VA
Environmental Health Laboratories	101506-0	Clayton	MO
Environmental Health Laboratory	101034-0	Cromwell	CT
Environmental Health Laboratory	101116-0	Macon	GA
Environmental Management Consultants, Inc.	101926-0	Scottsdale	AZ
Environmental Monitoring & Consulting Associates	101087-0	Somerville	NJ
Environmental Resource Consultants	101735-0	Austin	TX
Environmental Service Group	102029-0	Indianapolis	IN
Environmental Services, Inc.	101306-0	St. Albans	WV
Environmental Support Services, Inc.	101987-0	Richardson	TX
Environmental Testing and Monitoring Services, Inc.	200131-0	Virginia Beach	VA
Environmental Testing, Inc.	101848-0	Middletown	DE
EnvironMETeo Services Inc.	101807-0	Waipahu	HI
Envirotest, Inc.	101595-0	Houston	TX
ERI Consulting Engineers, Inc.	101232-0	Tyler	TX
ERT Testing Services	101295-0	Highland Park	MI
Fiberquant, Inc.	101031-0	Phoenix	AZ
Fibertec, Inc.	101510-0	Holt	MI
Fluor Daniel Fernald, Inc., Analytical Laboratory Services	102010-0	Cincinnati	OH
Forensic Analytical Specialties, Inc.	101459-0	Hayward	CA
Forensic Analytical Specialties, Inc.	101459-1	Rancho Domingues	CA
Froehling & Robertson, Inc.	102060-0	Richmond	VA
FRS Geotech, Inc.	102078-0	Denver	CO
GA Environmental Services, Inc.	101996-0	Eddystone	PA
Galson Laboratories	101375-0	East Syracuse	NY
GCI Environmental Advisory, Inc.	101820-0	Wilkes-Barre	PA
Gelles Laboratories, Inc.	101170-0	Columbus	OH
Geo-Analytical Services, Inc.	102082-0	Atlanta	GA
GLE Associates, Inc.	102003-0	Tampa	FL
GPU Nuclear Chemistry/Materials Labs.	102064-0	Reading	PA
GSC Environmental Laboratories, Inc.	101626-0	Augusta	GA
Guardian Laboratories	101399-0	Louisville	KY
Health & Hygiene/ELB	101159-0	Greensboro	NC
Health Science Associates	101384-0	Los Alamitos	CA
Henderson/Longfellow Associates, Inc.	102077-0	Tampa,	FL
Hi-Tech Environmental and Laboratory Services	102013-0	Cypress	CA
HIH Laboratory, Inc.	101233-0	Webster	TX
Hillmann Environmental Company	101421-0	Union	NJ
Hub Testing Laboratory, Inc.	101045-0	Waltham	MA
Hygeia Environmental Inc.	102068-0	Dedham	MA
Hygeia Environmental Laboratories, Inc.	102116-0	Sierra Madre	CA
Hygeia Laboratories, Inc.	102087-0	Marietta	GA
HYGENIX, INC.	101199-0	Stamford	CT
Hygieneering, Inc.	101997-0	Willowbrook	IL
Hygienetics Laboratory Services	101147-0	Boston	MA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Industrial Laboratory	102115-0	Portsmouth	VA
Institute for Environmental Assessment	101249-0	Brooklyn Park	MN
International Asbestos Testing Laboratory	101165-0	Mt. Laurel	NJ
Iowa Environmental Services, Inc.	101990-0	Des Moines	IA
JLC Environmental Consultants, Inc.	101953-0	New York	NY
JMS Environmental Associates, Ltd.	102012-0	Westmont	IL
KAM Consultants	102047-0	Long Island City	NY
Kellco Services, Inc.	101331-0	Fremont	CA
KETER Consultants, Inc.	101727-0	Willow Springs	IL
Kevco Services, Inc.	101941-0	Butler	PA
Kingston Environmental Laboratory	200041-0	Lee's Summit	MO
Knoxville Branch Laboratory-TN Dept. Health	101496-0	Knoxville	TN
Labcorp Analytics Laboratory	101004-0	Richmond	VA
Larron Laboratory	101415-0	Cape Girardeau	MO
Law Engineering and Environmental Services, Inc.	101066-0	Birmingham	AL
Law Engineering and Environmental Services, Inc.	101226-0	Charlotte	NC
Law Engineering and Environmental Services, Inc.	101515-0	Tampa	FL
Law Engineering and Environmental Services, Inc.	101515-1	Miami Lakes	FL
Law Engineering and Environmental Services, Inc.	101847-0	Sterling	VA
Law Engineering and Environmental Services, Inc.	101973-0	Dallas	TX
Law Engineering, Inc.	101152-0	Houston	TX
Law/Crandall	102035-0	Phoenix	AZ
Legend Technical Services, Inc.	102081-0	St. Paul	MN
LEX Scientific Inc.	101949-0	Guelph Ontario	CANADA
Lockheed Martin Utility Services, Inc.	101383-0	Piketon	OH
Loflin Environmental Services	102044-0	Houston	TX
Los Angeles Harbor Department Testing Laboratory	102020-0	Wilmington	CA
Los Angeles Unified School District	101505-0	Los Angeles	CA
Louisiana Department of Environmental Quality Microanalytical Lab	102000-0	Baton Rouge	LA
m.a.c. Paran Consulting Services, Inc.	102108-0	Amelia	OH
MACS Lab, Inc.	101948-0	Santa Clara	CA
ManTech Environmental Corporation	101277-0	Rockville	MD
Marine Chemist Service, Inc.	101425-0	Newport News	VA
Materials Analytical Services, Inc.	101235-0	Norcross	GA
Maxim Technologies, Inc.	101091-0	Dallas	TX
Maxim Technologies, Inc.	101091-1	Houston	TX
Maxim Technologies, Inc.	101292-0	Billings	MT
Maxim Technologies, Inc.	200046-0	St. Paul	MN
McCall and Spero Environmental, Inc.	101895-0	Louisville	KY
McKee Environmental Health, Inc.	101135-0	Friendswood	TX
Metropolitan Evnironmental Testing Services	200165-0	Waldorf	MD
Micro Air of Texas, Inc.	102008-0	Houston	TX
Micro Air, Inc.	101221-0	Indianapolis	IN

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Micro Analytical Laboratories, Inc.	101151-0	Gainesville	FL
Micro Analytical Laboratories, Inc.	101872-0	Emeryville	CA
Micro Analytical Laboratories, Inc.	200054-0	San Francisco	CA
Micro Analytical, Inc.	101247-0	Milwaukee	WI
Microbac Laboratories, Inc.	101035-0	Erie	PA
Micron Environmental Labs	200294-0	Duarte	CA
Microscopic Analysis, Inc.	101037-0	St. Louis	MO
Midwest Laboratories, Inc.	101894-0	Countryside	IL
Mountain Laboratories	101890-0	Spokane	WA
MRS., Analytical Laboratory, Inc.	102113-0	Louisville	KY
Muranaka Environmental Consultants, Inc.	102085-0	Honolulu	HI
Mystic Air Quality Consultants, Inc.	101282-0	Groton	CT
NASA-Lewis Research Center	200130-0	Cleveland	OH
National Analytical Laboratories, Inc.	102080-0	Roseville	CA
National Econ Corporation	102062-0	Irvine	CA
National Econ Corporation	200047-0	Memphis	TN
National Environmental Reference Laboratory	101593-0	Denver	CO
New York Testing Laboratories, Inc.	101332-0	Bay Shore	NY
Niche Analysis, Inc.	102057-0	Mount Vernon	NY
North American Analytical Labs, Inc.	101782-0	Abilene	TX
Northeast Test Consultants	101565-0	Westbrook	ME
Northern Testing Laboratories, Inc.	101463-0	Fairbanks	AK
Northwest Envirocon, Inc.	101869-0	Vancouver	WA
NOVA Environmental Services, Inc.	101545-0	Chaska	MN
NVL Laboratories, Inc.	102063-0	Seattle	WA
NY Environmental & Material Testing Laboratories, Inc.	101967-0	Port Washington	NY
O'Brien & Gere Laboratories, Inc.	101343-0	Syracuse	NY
Oak Ridge National Laboratory	200228-0	Oak Ridge	TN
OCCU-TEC, Inc.	102025-0	Kansas City	MO
Occupational Health Conservation, Inc.	102050-0	Jacksonville	FL
Oklahoma Dept. of Environmental Quality-State Environmental Lab	102112-0	Oklahoma City	OK
Omni Environmental, Inc.	102061-0	Austin	TX
PA DEP Bureau of Laboratories	101323-0	Harrisburg	PA
Pacific Environmental Services, Inc.	101190-0	Herndon	VA
Pacific Rim Environmental, Inc.	101631-0	Tukwila	WA
PBS Environmental Building Consultants, Inc.	101910-0	Portland	OR
Pennoni Associates, Inc., Barnes and Jarnis Division	101553-0	Boston	MA
Philip Analytical Services	101262-0	Reading	PA
Philip Environmental Services Corp.	101192-0	Columbia	IL
Pinchin Environmental Consultants Ltd.	101270-0	Mississauga Ontario	CANADA
PMK Group, Inc.	101301-0	Kenilworth	NJ
Precision Micro-Analysis, Inc.	101656-0	Sacramento	CA
Precision Testing Laboratories, Inc.	101580-0	Moore	OK
Prezant Associates, Inc.	101886-0	Seattle	WA
Pro-Ac, Inc.	101585-0	Cincinnati	OH
ProScience Analytical Services, Inc.	200090-0	Woburn	MA
PSI	101342-0	Lawrence	KS

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
PSI	101350-0	Pittsburgh	PA
PSI	101755-0	New York	NY
PSI	101970-0	Brea	CA
PSI, Inc.	101070-0	Farmingdale	NY
PSI, Inc.	200042-0	New Berlin	WI
Puget Sound Naval Shipyard	101539-0	Bremerton	WA
QST Environmental	101991-0	Englewood	CO
QuanTEM Laboratories, LLC	101959-0	Oklahoma City	OK
Quest MicroAnalytics, Inc.	200249-0	Dallas	TX
R. Robinson Analytical Services, Inc.	102041-0	Pensacola	FL
Rapid Environmental Management, Inc.	101974-0	Great Neck	NY
RCM Laboratories, Inc.	101853-0	Countryside	IL
Reservoirs Environmental Services, Inc.	101896-0	Denver	CO
Reservoirs Environmental Services, Inc.	101896-1	Houston	TX
RI Analytical Laboratories, Inc.	101440-0	Warwick	RI
RJ Lee Group, Inc.	101208-0	Monroeville	PA
RJ Lee Group, Inc.	101208-2	San Leandro	CA
RJ Lee Group, Inc.	101208-3	Manassas	VA
RJ Lee Group, Inc.	101208-5	Houston	TX
Roy F. Weston, Inc.	101254-0	Auburn	AL
S&ME, Inc.	102075-0	Charlotte	NC
Safe Environment of America	102021-0	Kent	WA
Schneider Laboratories, Inc.	101150-0	Richmond	VA
Scientific Laboratories, Inc.	101904-0	Richmond	VA
Scientific Laboratories, Inc.	101904-1	New York	NY
SCILAB BOSTON, Inc.	102079-0	Weymouth	MA
SEAS, Inc.	101185-0	Blacksburg	VA
Solar Environmental Services, Inc.	102006-0	Anchorage	AK
South Carolina Department of Health & Environmental Control	101572-0	Columbia	SC
South Coast Air Quality Management District	101567-0	Diamond Bar	CA
SSM/Laboratories, Inc.	101112-0	Reading	PA
Stanley Engineering Inc.	101568-0	Oklahoma City	OK
STAT Analysis Corporation	101202-0	Chicago	IL
State of Connecticut	101237-0	Hartford	CT
Steve Moody Micro Services, Inc.	102056-0	Carrollton	TX
Sun City Analytical, Inc.	101870-0	El Paso	TX
Taylor Environmental Group, Inc.	102101-0	Floral Park	NY
TC Analytics, Inc.	101672-0	Norfolk	VA
Technical Services Laboratory	101558-0	Long Island City	NY
TEM, Incorporated	101130-0	Glen Ellyn	IL
Terra-Mar, Inc.	101940-0	Dallas	TX
Testing Mechanics Corp.	102001-0	Seaford	NY
Testwell Craig Laboratories, Inc./Testwell Industries, Inc.	200083-0	Ossining	NY
The Scott Lawson Group, Ltd.	101228-0	Concord	NH
TolTest, Inc.	101594-0	Toledo	OH
TRC Environmental Corporation	101424-0	Windsor	CT
Tremco, Inc. - Roofing Division, An RPM Company	101188-0	Beachwood	OH
Triad, Inc.	102073-0	Huntington	WV
Twin Ports Testing, Inc.	102083-0	Superior	WI

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
U.S. Army Center for Health Promotion and Preventive Medicine	200044-0	Aberdeen Proving Ground	MD
U.S. EPA - National Enforcement Investigations Center	101703-0	Denver	CO
United Analytical Services, Inc.	101732-0	Hillside	IL
University (State) Hygienic Laboratory	101288-0	Iowa City	IA
University of Alabama Asbestos Laboratory	102005-0	Tuscaloosa	AL
Versar, Inc.	101122-0	Springfield	VA
Volz Environmental Services, Inc.	101269-0	Pittsburgh	PA
Vortex Inc./DBA V-Lab	102105-0	Warwick	RI
Waste Management Federal Services of Hanford, Inc.	101058-0	Richland	WA
Water, Earth Solutions & Technologies, Inc.	102043-0	Dallas	TX
Wausau Insurance Companies	101079-0	Wausau	WI
Western Analytical Laboratory	200037-0	Burbank	CA
White Environmental Consultants Inc.	200124-0	Anchorage	AK
Williams & Associates, Inc.	102027-0	Memphis	TN
Wisconsin Occupational Health Laboratory	101109-0	Madison	WI
WKP Laboratories, Inc.	101950-0	Ossining	NY
WMI Environmental Services	102065-0	Kalamazoo	MI
Asbestos Fiber Analysis (TEM Test Method)			
Aires Consulting Group, Inc.	101014-0	Batavia	IL
AMA Analytical Services, Inc.	101143-0	Lanham	MD
American Asbestos Laboratories, Inc.	101775-0	Miami	FL
American Environmental Network (Massachusetts)	101005-0	N. Billerica	MA
Analytica Solutions, Inc.	101086-0	Broomfield	CO
ASBESTECH	101442-0	Carmichael	CA
Asbestos TEM Laboratories, Inc.	101891-0	Berkeley	CA
ATC Associates, Inc.	101187-0	New York	NY
ATC Associates, Inc.	101265-0	Indianapolis	IN
ATC Associates, Inc.	101265-8	Miami	FL
Batta Laboratories, Inc.	101032-0	Newark	DE
Braun Intertec Corporation	101234-0	Minneapolis	MN
Carnow, Conibear & Associates Ltd.	101039-0	Chicago	IL
Chopra-Lee, Inc.	200095-0	Grand Island	NY
Clayton Laboratory Services	101125-0	Kennesaw	GA
DataChem Laboratories	101917-0	Cincinnati	OH
E. M. Analytical, Inc.	101902-0	Dania	FL
Eastern Analytical Services, Inc.	101646-0	Elmsford	NY
EMS Laboratories, Inc.	101218-0	Pasadena	CA
EMSL Analytical, Inc.	101048-0	Westmont	NJ
EMSL Analytical, Inc.	101048-1	Smyrna	GA
EMSL Analytical, Inc.	101048-2	Piscataway	NJ
EMSL Analytical, Inc.	101048-3	San Mateo	CA
EMSL Analytical, Inc.	101048-4	Ann Arbor	MI
EMSL Analytical, Inc.	101048-9	New York	NY
EMSL Analytical, Inc.	101048-10	Carle Place	NY
EMSL Analytical, Inc.	102104-0	Greensboro	NC
EMSL Analytical, Inc.	102106-0	Houston	TX
EMSL Analytical, Inc.	200019-0	Seattle	WA

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
EMSL Analytical, Inc.	200034-0	Dallas	TX
EMSL Analytical, Inc.	200056-0	Williamsville	NY
EMSL Analytical, Inc.	200188-0	Indianapolis	IN
EMSL Analytical, Inc.	200204-0	N. Miami Beach	FL
EMSL Analytical, Inc.	200232-0	S. Pasadena	CA
EMSL Analytical, Inc.	200293-0	Beltsville	MD
Environmental Enterprise Group(EEG), Inc.	101587-0	Russellville	AR
Environmental Services, Inc.	101306-0	St. Albans	WV
Environmental Testing Laboratories, Inc.	101937-0	Farmingdale	NY
Fiberquant, Inc.	101031-0	Phoenix	AZ
Forensic Analytical Specialties, Inc.	101459-0	Hayward	CA
GCI Environmental Advisory, Inc.	101820-0	Wilkes-Barre	PA
Gelles Laboratories, Inc.	101170-0	Columbus	OH
Geo-Analytical Services, Inc.	102082-0	Atlanta	GA
Hygeia Environmental Laboratories, Inc.	102116-0	Sierra Madre	CA
Hygienetics Laboratory Services	101147-0	Boston	MA
International Asbestos Testing Laboratory	101165-0	Mt. Laurel	NJ
KAM Consultants	102047-0	Long Island City	NY
Lab/Cor, Inc.	101920-0	Seattle	WA
Los Angeles Unified School District	101505-0	Los Angeles	CA
MACS Lab, Inc.	101948-0	Santa Clara	CA
ManTech Environmental Corporation	101277-0	Rockville	MD
Materials Analytical Services, Inc.	101235-0	Norcross	GA
Maxim Technologies, Inc.	101091-0	Dallas	TX
McCall and Spero Environmental, Inc.	101895-0	Louisville	KY
Micro Analytical Laboratories, Inc.	101151-0	Gainesville	FL
Micro Analytical Laboratories, Inc.	101872-0	Emeryville	CA
Midwest Laboratories, Inc.	101894-0	Countryside	IL
New York Testing Laboratories, Inc.	101332-0	Bay Shore	NY
O'Brien & Gere Laboratories, Inc.	101343-0	Syracuse	NY
Philip Analytical Services	101262-0	Reading	PA
ProScience Analytical Services, Inc.	200090-0	Woburn	MA
PSI	101350-0	Pittsburgh	PA
QuanTEM Laboratories, LLC	101959-0	Oklahoma City	OK
Reservoirs Environmental Services, Inc.	101896-0	Denver	CO
Reservoirs Environmental Services, Inc.	101896-1	Houston	TX
RJ Lee Group, Inc.	101208-0	Monroeville	PA
RJ Lee Group, Inc.	101208-2	San Leandro	CA
RJ Lee Group, Inc.	101208-3	Manassas	VA
RJ Lee Group, Inc.	101208-5	Houston	TX
Scientific Laboratories, Inc.	101904-0	Richmond	VA
Scientific Laboratories, Inc.	101904-1	New York	NY
Stanley Engineering Inc.	101568-0	Oklahoma City	OK
STAT Analysis Corporation	101202-0	Chicago	IL
TEM, Incorporated	101130-0	Glen Ellyn	IL
Testwell Craig Laboratories, Inc./Testwell Industries, Inc.	200083-0	Ossining	NY
University (State) Hygienic Laboratory	101288-0	Iowa City	IA

FASTENER & METALS GROUP

Fasteners & Metals

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
3V Fasteners Co. Inc. Testing Laboratory	200264-0	Corona	CA
Acominas - Analysis and Testing Laboratory	200185-0	Ouro Branco MG	BRAZIL
Aoyama Fastener Laboratory	200213-0	Niwa-gun, Aichi Prefecture	JAPAN
Arcon Fastener Corporation	200187-0	Elk Grove Village	IL
Asakawa Screw Co., Ltd.	200197-0	Yokohama	JAPAN
Asakawa Screw Co., Ltd. Kawawa Factory	200257-0	Yokohama	JAPAN
Belgo-Mineira Chemical Laboratory	200196-0	35.930-900 Joao Monlevade	BRAZIL
Bodycote Industrial Testing Ltd.	101072-0	St. Louis	MO
CBS Fasteners, Inc.	200253-0	Anaheim	CA
Charter Steel	200160-0	Saukville	WI
Chemical Laboratory - Bar Technologies, Inc.	200148-0	Johnstown	PA
Dexter Fastener Technologies, Inc.	200144-0	Dexter	MI
Durkee Testing Laboratories, Inc.	200178-0	Paramount	CA
Fastener Innovation Technology, Inc.	200179-0	Gardena	CA
Fuji Buhin Kogyo Kabushiki Kaisha	200203-0	Ohta Gunma	JAPAN
Fuserashi Gunma	200173-0	Gunma-Ken	JAPAN
Indiana Automotive Fasteners, Inc.	200150-0	Greenfield	IN
Ingersoll Fasteners	200208-0	Ingersoll Ontario	CANADA
Ivaco Rolling Mills, Chemistry Laboratory	200143-0	L'Orignal Ontario	CANADA
Kobe Steel Ltd. Kobe Works	200169-0	Kobe	JAPAN
Leland-Powell Fasteners, Inc. Fastener Testing Laboratory	200171-0	Martin	TN
MAC Fasteners, Inc.	200141-0	Ottawa	KS
Metallic Material Laboratory in Toyota Motor Co.	200223-0	Toyota city Aichi	JAPAN
Northwestern Steel and Wire Company	200224-0	Sterling	IL
NOVA Machine Products	200202-0	Middleburg Heights	OH
O & K Company Limited, Osaka Test Center	200166-0	Osaka-Shi	JAPAN
Owari Precise Products Co., Ltd.	200227-0	Nagoya	JAPAN
PB Fasteners	200139-0	Gardena	CA
Rightway Fasteners, Inc.	200210-0	Columbus	IN
Robbins Manufacturing Co., Inc.	200161-0	Fall River	MA
Saga Tekkohsho Co., Ltd.	200176-0	Fujisawa-city Kanagawa Pref.	JAPAN
San Shing Hardware Works Co., Ltd. Test Laboratory	200158-0	Tainan	TAIWAN
Sannohashi Corporation	200205-0	Yashioshi, Saitama-ken	JAPAN
SPS Technologies; Aerospace Products Division	200164-0	Jenkintown	PA
Sugiura Seisakusho Co., Ltd.	200226-0	Nishio Aichi	JAPAN
Sumitomo Metal Technology, Inc. Kokura Division	200215-0	Kitakyushu	JAPAN
Sundram Fasteners Limited (Inhouse test laboratory)	200212-0	Chennai (Madras), Tamil, Nadh	INDIA
Sundram Fasteners Limited Chemical Testing Laboratory	200256-0	Andhra Pradesh	INDIA
The Perryman Company	200128-0	Houston	PA
Topura Co., Ltd.	200181-0	Hadano Kanagawa	JAPAN
Topura Co., Ltd. Osaka	200242-0	Katano 576 Osaka	JAPAN

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Topura Co., Ltd. Tokai	200243-0	Ogasagun 437-16 Shizuoka	JAPAN
Vermont Fasteners Manufacturing	200254-0	Swanton	VT
Walker Bolt Manufacturing Co.	200126-0	Houston	TX
Wilson-Garner Company	200136-0	Harrison Township	MI
Wolverine Plating Corp.	200230-0	Roseville	MI

PRODUCT TESTING GROUP

Acoustical Testing Services

Acoustic Systems Acoustical Research Facility	100286-0	Austin	TX
Aearo Company, E·A·RCAL Acoustical Laboratory	100374-0	Indianapolis	IN
Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center	100228-0	Lancaster	PA
Auditory Systems Laboratory, ISE Department, Virginia Tech	100352-0	Blacksburg	VA
Celotex Technical Center	100417-0	St. Petersburg	FL
Dell Regulatory Test Laboratories	200052-0	Round Rock	TX
Hufcor Laboratory	100239-0	Janesville	WI
IBM Hudson Valley Acoustics Laboratory	100323-0	Poughkeepsie	NY
Industrial Acoustics Company, Inc., Aero-Acoustics Laboratory	100404-0	Bronx	NY
Johns Manville Technical Center	100425-0	Littleton	CO
Maxim Technologies, Inc.	200046-0	St. Paul	MN
Michael & Associates	100427-0	State College	PA
Riverbank Acoustical Laboratories	100227-0	Geneva	IL
USG Research-Systems Evaluation Laboratory	200132-0	Libertyville	IL
Vibro-Acoustics Laboratory	100424-0	Scarborough Ontario	CANADA
Western Electro-Acoustic Lab., Inc.	100256-0	Santa Monica	CA

Carpet and Carpet Cushion

American Carpet Laboratories, Inc.	100139-0	Ringgold	GA
Beaulieu of America - Carpet Testing Lab	100190-0	Dalton	GA
Bentley Testing Laboratory	100288-0	City of Industry	CA
Commercial Testing Company	100120-0	Dalton	GA
Hollytex Carpet Mills, Inc.	100247-0	Anadarko	OK
Independent Textile Testing Service, Inc.	100166-0	Dalton	GA
Mohawk Industries, Inc., Karastan Rug Mill Testing	100178-0	Eden	NC
Mohawk Industries, Inc.- Lyerly Plant	100156-0	Lyerly	GA
Professional Testing Laboratory, Inc.	100297-0	Dalton	GA
Queen Carpet Test Laboratory	100429-0	Dalton	GA
Technical Services, Central Laboratory Operations	100193-0	Dalton	GA
TSi, Testing Services, Inc.	100108-0	Dalton	GA
Vartest Laboratories, Inc.	200027-0	New York	NY
World Carpets, Inc.	100197-0	Dalton	GA

 (See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Commercial Products Testing			
Canadian Standards Association	100322-0	Etobicoke Ontario	CANADA
Celotex Technical Center	100417-0	St. Petersburg	FL
D/L Laboratories	100252-0	New York	NY
Dodge-Regupol, Inc. Laboratory	200030-0	Lancaster	PA
MacMillan Bloedel Packaging, Inc., Combined Board Test Lab	100259-0	Pine Hill	AL
NAHB Research Center, Inc.	100104-0	Upper Marlboro	MD
SGS U.S. Testing Company, Inc.	100416-0	Tulsa	OK
Willamette Industries, Inc. West Coast Development Lab	200045-0	Wilsonville	OR
Construction Materials Testing			
American Testing Laboratories, Inc.	100146-0	Lancaster	PA
City of San Jose, Materials Testing Laboratory	100325-0	San Jose	CA
Eastern Materials Testing Lab a division of Jaworski Geotech	100315-0	New Britain	CT
Fairfield Testing Laboratory, Inc.	100317-0	Stamford	CT
Fairway Testing Company, Inc.	100340-0	Stony Point	NY
H.C. Nutting Company	100131-0	Cincinnati	OH
Independent Materials Testing Laboratories, Inc.	100316-0	Plainville	CT
Inland Foundation Engineering, Inc.	100406-0	San Jacinto	CA
Materials Testing, Inc.	100320-0	Milford	CT
PSI, Inc.	100319-0	North Haven	CT
Special Testing Laboratories, Inc.	100308-0	Bethel	CT
STS Consultants, Ltd.	100191-0	Northbrook	IL
Test-Con Incorporated	200018-0	Danbury	CT
Testwell Craig Laboratories, Inc./Testwell Industries, Inc.	200083-0	Ossining	NY
Tri-State Materials Testing Lab, Inc.	200010-0	Newington	CT
W.R. Grace & Co.	200258-0	Cambridge	MA
Washington Metropolitan Area Transit Authority QLAS Laboratory	100313-0	Washington	DC
Efficiency of Electric Motors			
Advanced Energy, Industrial Energy Laboratory	200081-0	Raleigh	NC
MagneTek (Lexington) Engineering Laboratory	200053-0	Lexington	TN
Marathon Electric - Wausau Engineering Lab.	200134-0	Wausau	WI
Oak Ridge National Laboratory Electric Machinery Center	200244-0	Oak Ridge	TN
Small IAC Test Laboratory	200287-0	Peterborough	CANADA
Toshiba/Houston Test Laboratory	200088-0	Houston	TX
Energy Efficient Lighting Products			
Cooper Lighting - Metalux Research Laboratories	200050-0	Americus	GA
GE Lighting- Engineering Support - NA	100398-0	Cleveland	OH
Hubbell Lighting Photometric Laboratory	200020-0	Christiansburg	VA

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY
Intertek Testing Services NA Inc.	100402-0	Cortland	NY
Lithonia Testing Laboratories	200007-0	Conyers	GA
Osram Sylvania Inc., Test & Measurements Laboratory	100403-0	Beverly	MA
Philips Lighting Corporate Calibration & Standards Laboratory	100399-0	Fairmont	WV
Thomas Lighting C & I Division, Photometric Laboratory	200016-0	Tupelo	MS
Thermal Insulation Materials			
Celotex Technical Center	100417-0	St. Petersburg	FL
Dow Chemical N. America Foam Products Research, Prod. Perf. Lab.	100103-0	Midland	MI
Flexible Products Company	100210-0	Joliet	IL
Geoscience Ltd.	100142-0	San Diego	CA
Holometrix, Inc.	100113-0	Bedford	MA
Intertek Testing Services NA Inc.	100402-0	Cortland	NY
Intertek Testing Services NA Inc.	200031-0	Middleton	WI
Johns Manville Technical Center	100425-0	Littleton	CO
Knauf Fiber Glass Research Laboratory	100248-0	Shelbyville	IN
Levecque Technical Center	100101-0	Blue Bell	PA
Maxim Technologies, Inc.	200046-0	St. Paul	MN
NAHB Research Center, Inc.	100104-0	Upper Marlboro	MD
Owens Corning - Granville	100109-0	Granville	OH
R & D Services, Inc.	200265-0	Cookeville	TN
Resources, Applications, Designs & Control, Inc. (RADCO)	100261-0	Long Beach	CA
SGS U.S. Testing Company, Inc.	100416-0	Tulsa	OK
St. of California, Bur. of Home Furnishings & Thermal Insulation	100251-0	North Highlands	CA
Underwriters Laboratories Inc.	100414-0	Northbrook	IL
Wood Based Products			
APA - The Engineered Wood Association Research Center	100423-0	Tacoma	WA
Composite Panel Association (CPA)	100418-0	Gaithersburg	MD
PFS Corporation	100421-0	Madison	WI
Professional Service Industries, Inc., Pittsburgh Test. Lab. Div.	100430-0	Eugene	OR
Timberco, Inc.- dba TECO	100420-0	Eugene	OR

INDEX

C

LISTING BY STATE/ COUNTRY

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
AK				
Northern Testing Laboratories, Inc.	101463-0	Fairbanks	AK	PLM
Solar Environmental Services, Inc.	102006-0	Anchorage	AK	PLM
White Environmental Consultants Inc.	200124-0	Anchorage	AK	PLM
AL				
Law Engineering and Environmental Services, Inc.	101066-0	Birmingham	AL	PLM
MacMillan Bloedel Packaging, Inc., Combined Board Test Lab	100259-0	Pine Hill	AL	Commercial
Roy F. Weston, Inc.	101254-0	Auburn	AL	PLM
U.S. Army Primary Standards Laboratory	105004-0	Redstone Arsenal	AL	Calibration
U.S. Army Radiation Standards & Dosimetry Laboratory	100539-0	Redstone Arsenal	AL	Dosimetry
University of Alabama Asbestos Laboratory	102005-0	Tuscaloosa	AL	PLM
AR				
Environmental Enterprise Group(EEG), Inc.	101587-0	Russellville	AR	PLM
Environmental Enterprise Group(EEG), Inc.	101587-0	Russellville	AR	TEM
AZ				
Arizona Public Service Co., Palo Verde Nuclear Generating Station	100536-0	Tonopah	AZ	Dosimetry
Asbestos Analytical	101771-0	Tucson	AZ	PLM
Bellatrix Analytical Laboratories, LLC	102110-0	Scottsdale	AZ	PLM
Continental Envirotech, Inc.	200080-0	Mesa	AZ	PLM
Environmental Management Consultants, Inc.	101926-0	Scottsdale	AZ	PLM
Fiberquant, Inc.	101031-0	Phoenix	AZ	PLM
Fiberquant, Inc.	101031-0	Phoenix	AZ	TEM
Law/Crandall	102035-0	Phoenix	AZ	PLM
Motorola SSTG EMC/TEMPEST Laboratory	100405-0	Scottsdale	AZ	FCC
Motorola SSTG EMC/TEMPEST Laboratory	100405-0	Scottsdale	AZ	MIL-STD-462
CA				
3V Fasteners Co. Inc. Testing Laboratory	200264-0	Corona	CA	Fasteners
AMS-NATEC Environmental Services, Inc.	101155-0	Garden Grove	CA	PLM
Analytical Labs San Francisco, Inc.	101909-0	San Francisco	CA	PLM
Apple Computer, Inc., EMC Compliance Laboratory	200071-0	Cupertino	CA	FCC
ASBESTECH	101442-0	Carmichael	CA	PLM
ASBESTECH	101442-0	Carmichael	CA	TEM
Asbestos Detection Co., Inc.	101172-0	Garden Grove	CA	PLM
Asbestos TEM Laboratories, Inc.	101891-0	Berkeley	CA	PLM
Asbestos TEM Laboratories, Inc.	101891-0	Berkeley	CA	TEM
AST Research, Inc. EMC Lab.	200135-0	Irvine	CA	FCC
Bay Area Air Quality Management District	102090-0	San Francisco	CA	PLM
Bay Area Compliance Laboratory, Corp.	200167-0	Sunnyvale	CA	FCC
Bentley Testing Laboratory	100288-0	City of Industry	CA	Carpet
CAMCO Lab	101803-0	Fontana	CA	PLM
CBS Fasteners, Inc.	200253-0	Anaheim	CA	Fasteners
Cisco Systems, Inc.	200114-0	San Jose	CA	FCC
City of Los Angeles Department of Water and	101111-0	Los Angeles	CA	PLM

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Power				
City of San Jose, Materials Testing Laboratory	I00325-0	San Jose	CA	Construction
Compatible Electronics, Inc.	200063-0	Agoura	CA	FCC
Compliance Eng. Svces, Inc. d.b.a. Compliance Consulting Services	200064-0	Sunnyvale	CA	FCC
Compliance Eng. Svces, Inc., Compliance Consulting Services	200065-0	Sunnyvale	CA	FCC
Concord Analysis, Inc.	101884-0	Chatsworth	CA	PLM
CT&E Environmental Services Inc.	200067-0	San Diego	CA	PLM
CTL Environmental Services	101216-0	Carson	CA	PLM
Department of Environmental Health Industrial Hygiene Laboratory	101530-0	San Diego	CA	PLM
Design for Health, Inc.	101864-0	San Diego	CA	PLM
Durkee Testing Laboratories, Inc.	200178-0	Paramount	CA	Fasteners
Electro Magnetic Test, Inc.	200147-0	Mountain View	CA	FCC
Electromagnetic Engineering Serviees, Inc. "EESI"	200116-0	San Diego	CA	FCC
Electronic Compliance Laboratories, Inc.	200089-0	Sunnyvale	CA	FCC
Elliott Laboratories, Inc.	200069-0	Sunnyvale	CA	FCC
EMC Compliance Mgmt Group, dba Turntech Scientific & Instr., Inc.	200068-0	Mountain View	CA	FCC
EMG, Company (Environmental Monitoring Group)	200060-0	Garden Grove	CA	PLM
EMS Laboratories, Inc.	101218-0	Pasadena	CA	PLM
EMS Laboratories, Inc.	101218-0	Pasadena	CA	TEM
EMSL Analytical, Inc.	101048-3	San Mateo	CA	PLM
EMSL Analytical, Inc.	101048-3	San Mateo	CA	TEM
EMSL Analytical, Inc.	200232-0	S. Pasadena	CA	PLM
EMSL Analytical, Inc.	200232-0	S. Pasadena	CA	TEM
ENCORP	200013-0	El Segundo	CA	PLM
Fastener Innovation Technology, Inc.	200179-0	Gardena	CA	Fasteners
Forensic Analytical Specialties, Inc.	101459-0	Hayward	CA	PLM
Forensic Analytical Specialties, Inc.	101459-0	Hayward	CA	TEM
Forensic Analytical Specialties, Inc.	101459-1	Rancho Domingues	CA	PLM
Geoscience Ltd.	100142-0	San Diego	CA	Thermal Insl.
Health Science Associates	101384-0	Los Alamitos	CA	PLM
Hewlett Packard, Product Test Lab, San Diego	200138-0	San Diego	CA	FCC
Hi-Tech Environmental and Laboratory Services	102013-0	Cypress	CA	PLM
Hygeia Environmental Laboratories, Inc.	102116-0	Sierra Madre	CA	PLM
Hygeia Environmental Laboratories, Inc.	102116-0	Sierra Madre	CA	TEM
ICN Dosimetry Service, Div. of ICN Biomedicals, Inc.	100555-0	Costa Mesa	CA	Dosimetry
InfoGard Laboratories	100432-0	San Luis Obispo	CA	Cryptographic
Inland Foundation Engineering, Inc.	100406-0	San Jacinto	CA	Construction
Instrument Specialities Co., Inc.- Western Division	200119-0	Placentia	CA	FCC
Intertek Testing Services	200201-0	Menlo Park	CA	FCC
Kellco Services, Inc.	101331-0	Fremont	CA	PLM
Lockheed Martin Missiles & Space	105017-0	Sunnyvale	CA	Calibration

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Los Angeles Harbor Department Testing Laboratory	102020-0	Wilmington	CA	PLM
Los Angeles Unified School District	101505-0	Los Angeles	CA	PLM
Los Angeles Unified School District	101505-0	Los Angeles	CA	TEM
MACS Lab, Inc.	101948-0	Santa Clara	CA	PLM
MACS Lab, Inc.	101948-0	Santa Clara	CA	TEM
Micro Analytical Laboratories, Inc.	101872-0	Emeryville	CA	PLM
Micro Analytical Laboratories, Inc.	101872-0	Emeryville	CA	TEM
Micro Analytical Laboratories, Inc.	200054-0	San Francisco	CA	PLM
Micron Environmental Labs	200294-0	Duarte	CA	PLM
Mindcraft, Inc.	100342-0	Palo Alto	CA	POSIX
National Analytical Laboratories, Inc.	102080-0	Roseville	CA	PLM
National Econ Corporation	102062-0	Irvine	CA	PLM
NAWCWPNS EMI Lab, China Lake/Pt. Mugu, CA	200199-0	China Lake	CA	MIL-STD-462
Northern Telecom Inc.	100411-0	Santa Clara	CA	FCC
Pacific Gas & Electric Company, Diablo Canyon Nuclear Power Plant	100537-0	Avila Beach	CA	Dosimetry
PB Fasteners	200139-0	Gardena	CA	Fasteners
PDE Laboratories	200082-0	San Clemente	CA	FCC
Perennial, Inc.	100344-0	Santa Clara	CA	POSIX
Precision Micro-Analysis, Inc.	101656-0	Sacramento	CA	PLM
PSI	101970-0	Brea	CA	PLM
Radiation Detection Company	100512-0	Sunnyvale	CA	Dosimetry
Radiation Technology, Inc.	200086-0	San Jose	CA	FCC
Resources, Applications, Designs & Control, Inc. (RADCO)	100261-0	Long Beach	CA	Thermal Insl.
RJ Lee Group, Inc.	101208-2	San Leandro	CA	PLM
RJ Lee Group, Inc.	101208-2	San Leandro	CA	TEM
Rockford Engineering Services	200172-0	Sunol	CA	FCC
South Coast Air Quality Management District	101567-0	Diamond Bar	CA	PLM
Southern California Edison	100506-0	San Clemente	CA	Dosimetry
Southern California Edison Company	105014-0	Westminster	CA	Calibration
St. of California, Bur. of Home Furnishings & Thermal Insulation	100251-0	North Highlands	CA	Thermal Insl.
TUV Product Service, Inc.	100268-0	San Diego	CA	FCC
TUV Product Service, Inc.	100268-0	San Diego	CA	MIL-STD-462
Underwriters Laboratories	200252-0	Santa Clara	CA	FCC
Universal Compliance Laboratories	200117-0	San Jose	CA	FCC
Western Analytical Laboratory	200037-0	Burbank	CA	PLM
Western Electro-Acoustic Lab., Inc.	100256-0	Santa Monica	CA	Acoustics
CO				
Alpine Consulting, Inc.	102089-0	Colorado Springs	CO	PLM
Analytica Solutions, Inc.	101086-0	Broomfield	CO	PLM
Analytica Solutions, Inc.	101086-0	Broomfield	CO	TEM
ATC Environmental, Inc.	102031-0	Denver	CO	PLM
Criterion Technology	100396-0	Rollinsville	CO	FCC
DCM Science Laboratory, Inc.	101258-0	Lakewood	CO	PLM
Denver Instrument Co. Weight Lab	200106-0	Arvada	CO	Calibration
Digital Equipment Corp., EMC Test Facility	200078-0	Colorado Springs	CO	FCC
FRS Geotech, Inc.	102078-0	Denver	CO	PLM

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Johns Manville Technical Center	100425-0	Littleton	CO	Acoustics
Johns Manville Technical Center	100425-0	Littleton	CO	Thermal Insl.
National Environmental Reference Laboratory	101593-0	Denver	CO	PLM
QST Environmental	101991-0	Englewood	CO	PLM
Reservoirs Environmental Services, Inc.	101896-0	Denver	CO	PLM
Reservoirs Environmental Services, Inc.	101896-0	Denver	CO	TEM
Storagtek Open Area Test Site	200251-0	Louisville	CO	FCC
TUV Product Service, Inc.	100271-1	Boulder	CO	FCC
U.S. EPA - National Enforcement Investigations Center	101703-0	Denver	CO	PLM
CT				
ChemScope, Inc.	101061-0	North Haven	CT	PLM
Combustion Engineering, Inc.	100563-0	Windsor	CT	Dosimetry
Eastern Materials Testing Lab a division of Jaworski Geotech	100315-0	New Britain	CT	Construction
Electric Boat Corp/A General Dynamics Co. Radiological Ctrl. Dept	100560-0	Groton	CT	Dosimetry
EnviroMed Services, Inc.	101514-0	New Haven	CT	PLM
Environmental Health Laboratory	101034-0	Cromwell	CT	PLM
Fairfield Testing Laboratory, Inc.	100317-0	Stamford	CT	Construction
HYGENIX, INC.	101199-0	Stamford	CT	PLM
Independent Materials Testing Laboratories, Inc.	100316-0	Plainville	CT	Construction
Materials Testing, Inc.	100320-0	Milford	CT	Construction
Mystic Air Quality Consultants, Inc.	101282-0	Groton	CT	PLM
Northeast Utilities Dosimetry Laboratory	100540-0	Newington	CT	Dosimetry
PSI, Inc.	100319-0	North Haven	CT	Construction
Special Testing Laboratories, Inc.	100308-0	Bethel	CT	Construction
State of Connecticut	101237-0	Hartford	CT	PLM
Test-Con Incorporated	200018-0	Danbury	CT	Construction
TRC Environmental Corporation	101424-0	Windsor	CT	PLM
Tri-State Materials Testing Lab, Inc.	200010-0	Newington	CT	Construction
TUV Rheinland of North America, Inc.	200111-0	Newtown	CT	FCC
DC				
Washington Metropolitan Area Transit Authority QLAS Laboratory	100313-0	Washington	DC	Construction
DE				
Batta Laboratories, Inc.	101032-0	Newark	DE	PLM
Batta Laboratories, Inc.	101032-0	Newark	DE	TEM
Environmental Testing, Inc.	101848-0	Middletown	DE	PLM
FL				
Advanced Industrial Hygiene Services, Inc.	101006-0	Miami	FL	PLM
All State Engineering & Testing Consultants, Inc.	102096-0	Davie	FL	PLM
American Asbestos Laboratories, Inc.	101775-0	Miami	FL	PLM
American Asbestos Laboratories, Inc.	101775-0	Miami	FL	TEM
Apollo Environmental, Inc.	101871-0	Gibsonton	FL	PLM

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
ATC Associates, Inc.	101265-8	Miami	FL	PLM
ATC Associates, Inc.	101265-8	Miami	FL	TEM
Celotex Technical Center	100417-0	St. Petersburg	FL	Acoustics
Celotex Technical Center	100417-0	St. Petersburg	FL	Commercial
Celotex Technical Center	100417-0	St. Petersburg	FL	Thermal Insl.
Dove Environmental Corporation	102053-0	Miami Lakes	FL	PLM
E. M. Analytical, Inc.	101902-0	Dania	FL	TEM
EG&G Environmental Health PLM Laboratory	101759-0	Kennedy Space Center	FL	PLM
EMSL Analytical, Inc.	200204-0	N. Miami Beach	FL	PLM
EMSL Analytical, Inc.	200204-0	N. Miami Beach	FL	TEM
Florida Power & Light Company	100544-0	Juno Beach	FL	Dosimetry
GLE Associates, Inc.	102003-0	Tampa	FL	PLM
Henderson/Longfellow Associates, Inc.	102077-0	Tampa,	FL	PLM
Law Engineering and Environmental Services, Inc.	101515-0	Tampa	FL	PLM
Law Engineering and Environmental Services, Inc.	101515-1	Miami Lakes	FL	PLM
Micro Analytical Laboratories, Inc.	101151-0	Gainesville	FL	PLM
Micro Analytical Laboratories, Inc.	101151-0	Gainesville	FL	TEM
Occupational Health Conservation, Inc.	102050-0	Jacksonville	FL	PLM
Paradyne Corporation	200125-0	Largo	FL	FCC
PRIMES (Preflight Integration of Munitions & Electronic Systems)	100422-0	Eglin Air Force Base	FL	MIL-STD-462
Product Safety Engineering, Inc.	200074-0	Dade City	FL	FCC
R. Robinson Analytical Services, Inc.	102041-0	Pensacola	FL	PLM
GA				
American Carpet Laboratories, Inc.	100139-0	Ringgold	GA	Carpet
Analytical Environmental Services, Inc.	102033-0	Atlanta	GA	PLM
Beaulieu of America - Carpet Testing Lab	100190-0	Dalton	GA	Carpet
Cape Environmental Management, Inc.	102111-0	Atlanta	GA	PLM
Clayton Laboratory Services	101125-0	Kennesaw	GA	PLM
Clayton Laboratory Services	101125-0	Kennesaw	GA	TEM
Commercial Testing Company	100120-0	Dalton	GA	Carpet
Cooper Lighting - Metalux Research Laboratories	200050-0	Americus	GA	Lighting
EMSL Analytical, Inc.	101048-1	Smyrna	GA	PLM
EMSL Analytical, Inc.	101048-1	Smyrna	GA	TEM
Environmental Health Laboratory	101116-0	Macon	GA	PLM
Geo-Analytical Services, Inc.	102082-0	Atlanta	GA	PLM
Geo-Analytical Services, Inc.	102082-0	Atlanta	GA	TEM
Georgia Power Company/Enviro. Affairs, Enviro. Lab-Dosimetry	100551-0	Smyrna	GA	Dosimetry
GSC Environmental Laboratories, Inc.	101626-0	Augusta	GA	PLM
Hayes Microcomputer Products, Inc.	200103-0	Atlanta	GA	FCC
Hygeia Laboratories, Inc.	102087-0	Marietta	GA	PLM
Independent Textile Testing Service, Inc.	100166-0	Dalton	GA	Carpet
Intertek Testing Services NA Inc.	100409-0	Norcross	GA	FCC
Lithonia Testing Laboratories	200007-0	Conyers	GA	Lighting
Materials Analytical Services, Inc.	101235-0	Norcross	GA	PLM
Materials Analytical Services, Inc.	101235-0	Norcross	GA	TEM

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Mohawk Industries, Inc.- Lyerly Plant	100156-0	Lyerly	GA	Carpet
Professional Testing Laboratory, Inc.	100297-0	Dalton	GA	Carpet
Queen Carpet Test Laboratory	100429-0	Dalton	GA	Carpet
Technical Services, Central Laboratory Operations	100193-0	Dalton	GA	Carpet
TSi, Testing Services, Inc.	100108-0	Dalton	GA	Carpet
United States Technologies, Inc.	200162-0	Alpharetta	GA	FCC
World Carpets, Inc.	100197-0	Dalton	GA	Carpet
HI				
EnvironMETeo Services Inc.	101807-0	Waipahu	HI	PLM
Muranaka Environmental Consultants, Inc.	102085-0	Honolulu	HI	PLM
IA				
Intermec Technologies Corporation, Norand Mobile System Division	100269-0	Cedar Rapids	IA	FCC
Iowa Environmental Services, Inc.	101990-0	Des Moines	IA	PLM
Liberty Labs, Inc.	200123-0	Kimballton	IA	Calibration
University (State) Hygienic Laboratory	101288-0	Iowa City	IA	PLM
University (State) Hygienic Laboratory	101288-0	Iowa City	IA	TEM
IL				
Aires Consulting Group, Inc.	101014-0	Batavia	IL	PLM
Aires Consulting Group, Inc.	101014-0	Batavia	IL	TEM
Arcon Fastener Corporation	200187-0	Elk Grove Village	IL	Fasteners
Beling Consultants, Inc.	101356-0	Moline	IL	PLM
Carnow, Conibear & Associates Ltd.	101039-0	Chicago	IL	PLM
Carnow, Conibear & Associates Ltd.	101039-0	Chicago	IL	TEM
Clinton Power Station	100570-0	Clinton	IL	Dosimetry
Com Ed - TLD Processing Lab - CTEAM Facility	100541-0	Bolingbrook	IL	Dosimetry
ComEd	101749-0	Bolingbrook	IL	PLM
D.L.S. Electronic Systems, Inc.	100276-0	Wheeling	IL	FCC
Elite Electronic Engineering Company	100278-0	Downers Grove	IL	FCC
Elite Electronic Engineering Company	100278-0	Downers Grove	IL	MIL-STD-462
Flexible Products Company	100210-0	Joliet	IL	Thermal Insl.
Hygieneering, Inc.	101997-0	Willowbrook	IL	PLM
JMS Environmental Associates, Ltd.	102012-0	Westmont	IL	PLM
KETER Consultants, Inc.	101727-0	Willow Springs	IL	PLM
Landauer, Inc.	100518-0	Glenwood	IL	Dosimetry
Midwest Laboratories, Inc.	101894-0	Countryside	IL	PLM
Midwest Laboratories, Inc.	101894-0	Countryside	IL	TEM
Northwestern Steel and Wire Company	200224-0	Sterling	IL	Fasteners
Philip Environmental Services Corp.	101192-0	Columbia	IL	PLM
RCM Laboratories, Inc.	101853-0	Countryside	IL	PLM
Riverbank Acoustical Laboratories	100227-0	Geneva	IL	Acoustics
STAT Analysis Corporation	101202-0	Chicago	IL	PLM
STAT Analysis Corporation	101202-0	Chicago	IL	TEM
STS Consultants, Ltd.	100191-0	Northbrook	IL	Construction
TEM, Incorporated	101130-0	Glen Ellyn	IL	PLM
TEM, Incorporated	101130-0	Glen Ellyn	IL	TEM
Underwriters Laboratories Inc.	100414-0	Northbrook	IL	FCC

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Underwriters Laboratories Inc.	100414-0	Northbrook	IL	Thermal Insl.
United Analytical Services, Inc.	101732-0	Hillside	IL	PLM
USG Research-Systems Evaluation Laboratory	200132-0	Libertyville	IL	Acoustics
IN				
ACM Environmental, Inc.	101977-0	South Bend	IN	PLM
Aearo Company, E·A·RCAL Acoustical Laboratory	100374-0	Indianapolis	IN	Acoustics
ATC Associates, Inc.	101265-0	Indianapolis	IN	PLM
ATC Associates, Inc.	101265-0	Indianapolis	IN	TEM
EMSL Analytical, Inc.	200188-0	Indianapolis	IN	PLM
EMSL Analytical, Inc.	200188-0	Indianapolis	IN	TEM
Environmental Service Group	102029-0	Indianapolis	IN	PLM
Indiana Automotive Fasteners, Inc.	200150-0	Greenfield	IN	Fasteners
Knauf Fiber Glass Research Laboratory	100248-0	Shelbyville	IN	Thermal Insl.
Micro Air, Inc.	101221-0	Indianapolis	IN	PLM
Rightway Fasteners, Inc.	200210-0	Columbus	IN	Fasteners
KS				
Asbestos Consulting & Testing (ACT)	101649-0	Lenexa	KS	PLM
MAC Fasteners, Inc.	200141-0	Ottawa	KS	Fasteners
PSI	101342-0	Lawrence	KS	PLM
Rogers Consulting Labs, Inc.	200087-0	Overland Park	KS	FCC
KY				
Analytical Industries, Inc.	101855-0	Paducah	KY	PLM
Big Rivers Electric Corp.	200028-0	Henderson	KY	PLM
Guardian Laboratories	101399-0	Louisville	KY	PLM
Intertek Testing Services NA Inc.	100274-0	Lexington	KY	FCC
McCall and Spero Environmental, Inc.	101895-0	Louisville	KY	PLM
McCall and Spero Environmental, Inc.	101895-0	Louisville	KY	TEM
MRS., Analytical Laboratory, Inc.	102113-0	Louisville	KY	PLM
LA				
Entergy Operations, Inc.	100535-0	Taft	LA	Dosimetry
Louisiana Department of Environmental Quality Microanalytical Lab	102000-0	Baton Rouge	LA	PLM
MA				
Acton Environmental Testing, dba National Technical Systems	100347-0	Boxborough	MA	MIL-STD-462
American Environmental Network (Massachusetts)	101005-0	N. Billerica	MA	PLM
American Environmental Network (Massachusetts)	101005-0	N. Billerica	MA	TEM
Chomerics Test Services (CTS)	100296-0	Woburn	MA	FCC
Covino Environmental Associates, Inc.	101781-0	Woburn	MA	PLM
Curtis-Straus LLC	200057-0	Littleton	MA	FCC
Data General Corporation	100339-0	Westboro	MA	FCC
Digital Regulatory Engineering and Testing Services	100413-0	Marlboro	MA	FCC
Duke Engineering and Services	100524-0	Bolton	MA	Dosimetry

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Environmental Laboratory				
Holometrix, Inc.	100113-0	Bedford	MA	Thermal Insl.
Hub Testing Laboratory, Inc.	101045-0	Waltham	MA	PLM
Hygeia Environmental Inc.	102068-0	Dedham	MA	PLM
Hygienetics Laboratory Services	101147-0	Boston	MA	PLM
Hygienetics Laboratory Services	101147-0	Boston	MA	TEM
Instron Force Calibration Laboratory	105023-0	Canton	MA	Calibration
Integrity Design & Test Services, Inc.	200004-0	Littleton	MA	FCC
Intertek Testing Services NA Inc.	100270-0	Boxborough	MA	FCC
Intertek Testing Services NA Inc.	100270-0	Boxborough	MA	MIL-STD-462
Motorola Product Quality Assurance Laboratory	200005-0	Mansfield	MA	FCC
Osram Sylvania Inc., Test & Measurements Laboratory	100403-0	Beverly	MA	Lighting
Pennoni Associates, Inc., Barnes and Jarnis Division	101553-0	Boston	MA	PLM
ProScience Analytical Services, Inc.	200090-0	Woburn	MA	PLM
ProScience Analytical Services, Inc.	200090-0	Woburn	MA	TEM
Quest Engineering Solutions, Inc.	200036-0	N. Billerica	MA	FCC
Robbins Manufacturing Co., Inc.	200161-0	Fall River	MA	Fasteners
SCILAB BOSTON, Inc.	102079-0	Weymouth	MA	PLM
Test Site Services, Inc.	100419-0	Marlboro	MA	FCC
W.R. Grace & Co.	200258-0	Cambridge	MA	Construction
MD				
Alliant Techsystems	200084-0	Annapolis	MD	FCC
AMA Analytical Services, Inc.	101143-0	Lanham	MD	PLM
AMA Analytical Services, Inc.	101143-0	Lanham	MD	TEM
ATC Associates, Inc.	200250-0	Columbia	MD	PLM
Baltimore Gas & Electric Company	100501-0	Lusby	MD	Dosimetry
CDRH X-Ray Calibration Laboratory	105018-0	Rockville	MD	Calibration
Composite Panel Association (CPA)	100418-0	Gaithersburg	MD	Wood Prod.
DHMH-Air Quality Laboratory	101523-0	Baltimore	MD	PLM
EMSL Analytical, Inc.	200293-0	Beltsville	MD	PLM
EMSL Analytical, Inc.	200293-0	Beltsville	MD	TEM
ManTech Environmental Corporation	101277-0	Rockville	MD	PLM
ManTech Environmental Corporation	101277-0	Rockville	MD	TEM
MET Laboratories, Inc.	100273-0	Baltimore	MD	FCC
Metropolitan Evnironmental Testing Services	200165-0	Waldorf	MD	PLM
NAHB Research Center, Inc.	100104-0	Upper Marlboro	MD	Commercial
NAHB Research Center, Inc.	100104-0	Upper Marlboro	MD	Thermal Insl.
Naval Dosimetry Center	100504-0	Bethesda	MD	Dosimetry
NAWC AD 5.1.7.3. EMI Lab	100408-0	Patuxent River	MD	MIL-STD-462
PCTEST Engineering Laboratory, Inc.	100431-0	Columbia	MD	FCC
Rockford Engineering Services	200075-0	St. Leonard	MD	FCC
Spectrum Research & Testing Laboratory, Inc.	200100-0	Owings	MD	FCC
U.S. Army Center for Health Promotion and Preventive Medicine	200044-0	Aberdeen Proving Ground	MD	PLM
Washington Laboratories, Ltd.	200066-0	Gaithersburg	MD	FCC

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
ME				
Northeast Test Consultants	101565-0	Westbrook	ME	PLM
MI				
AAC Trinity, Inc.	101168-0	Farmington Hills	MI	PLM
AHD	200129-0	Dowagiac	MI	FCC
Apex Research Laboratory	102118-0	Whitmore Lake	MI	PLM
Detroit Edison, Fermi 2 Dosimetry Laboratory	100529-0	Newport	MI	Dosimetry
Dexter Fastener Technologies, Inc.	200144-0	Dexter	MI	Fasteners
Dow Chemical N. America Foam Products Research, Prod. Perf. Lab.	100103-0	Midland	MI	Thermal Insl.
Eaton E3 Laboratory	100382-0	Southfield	MI	MIL-STD-462
EMSL Analytical, Inc.	101048-4	Ann Arbor	Ml	PLM
EMSL Analytical, Inc.	101048-4	Ann Arbor	MI	TEM
ERT Testing Services	101295-0	Highland Park	MI	PLM
Fibertec, Inc.	101510-0	Holt	MI	PLM
Wilson-Garner Company	200136-0	Harrison Township	MI	Fasteners
WMI Environmental Services	102065-0	Kalamazoo	MI	PLM
Wolverine Plating Corp.	200230-0	Roseville	Ml	Fasteners
MN				
3M Product Safety EMC Laboratory	200033-0	St. Paul	MN	FCC
Braun Intertec Corporation	101234-0	Minneapolis	MN	PLM
Braun Intertec Corporation	101234-0	Minneapolis	MN	TEM
Control Data OSI Accredited Test Center	100354-0	Arden Hills	MN	GOSIP
Detecon Inc. Type Approval Division	200039-0	St. Paul	MN	FCC
IBM Rochester EMC Lab	200091-0	Rochester	MN	FCC
Institute for Environmental Assessment	101249-0	Brooklyn Park	MN	PLM
Intertek Testing Services NA, Inc.	200049-0	Lake Elmo	MN	FCC
Legend Technical Services, Inc.	102081-0	St. Paul	MN	PLM
Maxim Technologies, Inc.	200046-0	St. Paul	MN	Acoustics
Maxim Technologies, Inc.	200046-0	St. Paul	MN	PLM
Maxim Technologies, Inc.	200046-0	St. Paul	MN	Thermal Insl.
Minnesota Metrology Laboratory	105003-0	St. Paul	MN	Calibration
NOVA Environmental Services, Inc.	101545-0	Chaska	MN	PLM
TUV Product Service, Inc.	100271-0	New Brighton	MN	FCC
TUV Product Service, Inc.	100271-0	New Brighton	MN	MIL-STD-462
MO				
AlliedSignal FM&T Metrology	200108-0	Kansas City	MO	Calibration
Bodycote Industrial Testing Ltd.	101072-0	St. Louis	MO	Fasteners
Bodycote Industrial Testing Ltd.	101072-0	St. Louis	MO	PLM
Environmental Health Laboratories	101506-0	Clayton	MO	PLM
Kingston Environmental Laboratory	200041-0	Lee's Summit	MO	PLM
Larron Laboratory	101415-0	Cape Girardeau	MO	PLM
Mallinckrodt Group, Inc.	100503-0	Maryland Heights	MO	Dosimetry
Microscopic Analysis, Inc.	101037-0	St. Louis	MO	PLM
OCCU-TEC, Inc.	102025-0	Kansas City	MO	PLM
Union Electric Company, Callaway Plant	100502-0	Fulton	MO	Dosimetry

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
MS				
Thomas Lighting C & I Division, Photometric Laboratory	200016-0	Tupelo	MS	Lighting
MT				
Maxim Technologies, Inc.	I01292-0	Billings	MT	PLM
NC				
Accredited Environmental Technologies, Inc.	200236-0	Leland	NC	PLM
Advanced Energy, Industrial Energy Laboratory	200081-0	Raleigh	NC	Electric Motors
Asbestos Analysis and Information Service, Inc.	I01261-0	Four Oaks	NC	PLM
Carolina Environmental, Inc.	101768-0	Raleigh	NC	PLM
Carolina Power & Light Company, Harris Energy & Enviro. Center	I00517-0	New Hill	NC	Dosimetry
Duke Power Company Dosimetry Laboratory	I00505-0	Charlotte	NC	Dosimetry
EEC, Inc.	I01088-0	Raleigh	NC	PLM
EMC International, Inc.	200094-0	Youngsville	NC	FCC
EMSL Analytical, Inc.	102104-0	Greensboro	NC	PLM
EMSL Analytical, Inc.	I02104-0	Greensboro	NC	TEM
EMSL Analytical, Inc.	200247-0	Charlotte	NC	PLM
Health & Hygiene/ELB	101159-0	Greensboro	NC	PLM
IBM RTP IPCC EMC Test Labs	200200-0	Research Triangle Park	NC	FCC
Law Engineering and Environmental Services, Inc.	I01226-0	Charlotte	NC	PLM
Mohawk Industries, Inc., Karastan Rug Mill Testing	I00178-0	Eden	NC	Carpet
S&ME, Inc.	I02075-0	Charlotte	NC	PLM
Troxler Radiation Monitoring Svc. a div. of Troxler Elect. Labs	100559-0	Research Triangle Park	NC	Dosimetry
Underwriters Laboratories, Inc.	200246-0	Research Triangle Park	NC	FCC
ND				
A.R.C. Laboratories, Inc.	I01832-0	Grand Forks	ND	PLM
NH				
Cabletron Systems, Inc.	200121-0	Rochester	NH	FCC
Dames & Moore, Inc.	101433-0	Salem	NH	PLM
Retlif Testing Laboratories	I00267-I	Goffstown	NH	FCC
The Scott Lawson Group, Ltd.	I01228-0	Concord	NH	PLM
NJ				
AET Environmental, Inc.	I01610-0	Cherry Hill	NJ	PLM
Bell Laboratories, Division Lucent Technologies, Inc.	I01965-0	Murray Hill	NJ	PLM
Detail Associates, Inc.	I02100-0	Englewood	NJ	PLM
EAI, Inc.	102114-0	Jersey City	NJ	PLM
EMSL Analytical, Inc.	101048-0	Westmont	NJ	PLM
EMSL Analytical, Inc.	101048-0	Westmont	NJ	TEM
EMSL Analytical, Inc.	101048-2	Piscataway	NJ	PLM
EMSL Analytical, Inc.	I01048-2	Piscataway	NJ	TEM

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Enviro Techniques, Inc.	200024-0	Paterson	NJ	PLM
Environmental Monitoring & Consulting Associates	101087-0	Somerville	NJ	PLM
Fountain Compliance Laboratory	200101-0	Somerset	NJ	FCC
Hillmann Environmental Company	101421-0	Union	NJ	PLM
International Asbestos Testing Laboratory	101165-0	Mt. Laurel	NJ	PLM
International Asbestos Testing Laboratory	101165-0	Mt. Laurel	NJ	TEM
Isomedix, Inc.	200235-0	Whippany	NJ	Calibration
Lucent Technologies, Global Product Compliance Lab	100275-0	Holmdel	NJ	FCC
NAWC-Aircarft Div. Lakehurst Electromagnetic Interference Lab.	200222-0	Lakehurst	NJ	MIL-STD-462
NJSP Calibration Laboratory	200006-0	Princeton	NJ	Dosimetry
PMK Group, Inc.	101301-0	Kenilworth	NJ	PLM
Teledyne Brown Engineering Environmental Services	100533-0	Westwood	NJ	Dosimetry
NM				
Assaigai Analytical Laboratories, Inc.	101457-0	Albuquerque	NM	PLM
Sandia National Laboratories	105002-0	Albuquerque	NM	Calibration
Thermo NUtech	100515-0	Albuquerque	NM	Dosimetry
NV				
Asbestos TEM Laboratories, Inc.	200104-0	Sparks	NV	PLM
Clark County School District	101220-0	Henderson	NV	PLM
Converse Consultants MR, Inc.	102091-0	Reno	NV	PLM
NY				
ABM Environmental Consultants, Inc.	102015-0	Long Island City	NY	PLM
Airtek Environmental Corp.	102011-0	New York	NY	PLM
Ambient Labs, Inc.	101618-0	New York	NY	PLM
Asbestos Control Program Laboratory	101888-0	Corona	NY	PLM
ATC Associates, Inc.	101187-0	New York	NY	PLM
ATC Associates, Inc.	101187-0	New York	NY	TEM
Athenica Environmental Services, Inc.	101958-0	Long Island City	NY	PLM
Certelecom Laboratories, Inc.	100351-1	Ogdensburg	NY	FCC
Chopra-Lee, Inc.	200095-0	Grand Island	NY	PLM
Chopra-Lee, Inc.	200095-0	Grand Island	NY	TEM
Con Edison, Indian Point	100538-0	Buchanan	NY	Dosimetry
D/L Laboratories	100252-0	New York	NY	Commercial
Eastern Analytical Services, Inc.	101646-0	Elmsford	NY	PLM
Eastern Analytical Services, Inc.	101646-0	Elmsford	NY	TEM
EMSL Analytical, Inc.	101048-9	New York	NY	PLM
EMSL Analytical, Inc.	101048-9	New York	NY	TEM
EMSL Analytical, Inc.	101048-10	Carle Place	NY	PLM
EMSL Analytical, Inc.	101048-10	Carle Place	NY	TEM
EMSL Analytical, Inc.	200056-0	Williamsville	NY	PLM
EMSL Analytical, Inc.	200056-0	Williamsville	NY	TEM
Enviro-Probe, Inc.	101222-0	Bronx	NY	PLM
Environmental Testing Laboratories, Inc.	101937-0	Farmingdale	NY	TEM
Fairway Testing Company, Inc.	100340-0	Stony Point	NY	Construction
Galson Laboratories	101375-0	East Syracuse	NY	PLM

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
GE Industrial Controls, Engineering Services - TEMS	200029-0	Rome	NY	Calibration
Ginna Nuclear Station	100514-0	Ontario	NY	Dosimetry
IBM Hudson Valley Acoustics Laboratory	100323-0	Poughkeepsie	NY	Acoustics
Industrial Acoustics Company, Inc., Aero-Acoustics Laboratory	100404-0	Bronx	NY	Acoustics
Intertek Testing Services NA Inc.	100402-0	Cortland	NY	Lighting
Intertek Testing Services NA Inc.	100402-0	Cortland	NY	Thermal Insl.
JLC Environmental Consultants, Inc.	101953-0	New York	NY	PLM
KAM Consultants	102047-0	Long Island City	NY	PLM
KAM Consultants	102047-0	Long Island City	NY	TEM
Lockheed Martin Control Systems EMI Laboratory	200142-0	Johnson City	NY	MIL-STD-462
New York Testing Laboratories, Inc.	101332-0	Bay Shore	NY	PLM
New York Testing Laboratories, Inc.	101332-0	Bay Shore	NY	TEM
Niche Analysis, Inc.	102057-0	Mount Vernon	NY	PLM
NY Environmental & Material Testing Laboratories, Inc.	101967-0	Port Washington	NY	PLM
O'Brien & Gere Laboratories, Inc.	101343-0	Syracuse	NY	PLM
O'Brien & Gere Laboratories, Inc.	101343-0	Syracuse	NY	TEM
PSI	101755-0	New York	NY	PLM
PSI, Inc.	101070-0	Farmingdale	NY	PLM
Rapid Environmental Management, Inc.	101974-0	Great Neck	NY	PLM
Retlif Testing Laboratories	100267-0	Ronkonkoma	NY	FCC
Retlif Testing Laboratories	100267-0	Ronkonkoma	NY	MIL-STD-462
Scientific Laboratories, Inc.	101904-1	New York	NY	PLM
Scientific Laboratories, Inc.	101904-1	New York	NY	TEM
Taylor Environmental Group, Inc.	102101-0	Floral Park	NY	PLM
Technical Services Laboratory	101558-0	Long Island City	NY	PLM
Testing Mechanics Corp.	102001-0	Seaford	NY	PLM
Testwell Craig Laboratories, Inc./Testwell Industries, Inc.	200083-0	Ossining	NY	Construction
Testwell Craig Laboratories, Inc./Testwell Industries, Inc.	200083-0	Ossining	NY	PLM
Testwell Craig Laboratories, Inc./Testwell Industrics, Inc.	200083-0	Ossining	NY	TEM
Underwriters Laboratories, Inc.	100255-0	Melville	NY	FCC
Vartest Laboratories, Inc.	200027-0	New York	NY	Carpet
WKP Laboratories, Inc.	101950-0	Ossining	NY	PLM
OH				
A T Labs	101062-0	Youngstown	OH	PLM
Allison Analytical Services, Inc.	101330-0	Worthington	OH	PLM
American Electric Power, Environmental Laboratory	102102-0	Columbus	OH	PLM
ATC Associates Inc.	102071-0	Cincinnati	OH	PLM
DataChem Laboratories	101917-0	Cincinnati	OH	PLM
DataChem Laboratories	101917-0	Cincinnati	OH	TEM
DLZ Laboratories, Inc.	101060-0	Columbus	OH	PLM
Electro-Analytical, Inc.	101019-0	Mentor	OH	PLM
Fluor Daniel Fernald, Inc., Analytical Laboratory Services	102010-0	Cincinnati	OH	PLM

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
GE Lighting- Engineering Support - NA	100398-0	Cleveland	OH	Lighting
Gelles Laboratories, Inc.	101170-0	Columbus	OH	PLM
Gelles Laboratories, Inc.	101170-0	Columbus	OH	TEM
H.C. Nutting Company	100131-0	Cincinnati	OH	Construction
Lockheed Martin Utility Services, Inc.	101383-0	Piketon	OH	PLM
m.a.c. Paran Consulting Services, Inc.	102108-0	Amelia	OH	PLM
NASA-Lewis Research Center	200130-0	Cleveland	OH	PLM
NOVA Machine Products	200202-0	Middleburg Heights	OH	Fasteners
Owens Corning - Granville	100109-0	Granville	OH	Thermal Insl.
Portsmouth Gaseous Diffusion Plant	100574-0	Piketon	OH	Dosimetry
Pro-Ac, Inc.	101585-0	Cincinnati	OH	PLM
TolTest, Inc.	101594-0	Toledo	OH	PLM
Tremco, Inc. - Roofing Division, An RPM Company	101188-0	Beachwood	OH	PLM
Webber Gage Division / L.S. Starrett Co.	200038-0	Cleveland	OH	Calibration
OK				
Hollytex Carpet Mills, Inc.	100247-0	Anadarko	OK	Carpet
Oklahoma Dept. of Environmental Quality-State Environmental Lab	102112-0	Oklahoma City	OK	PLM
Precision Testing Laboratories, Inc.	101580-0	Moore	OK	PLM
QuanTEM Laboratories, LLC	101959-0	Oklahoma City	OK	PLM
QuanTEM Laboratories, LLC	101959-0	Oklahoma City	OK	TEM
SGS U.S. Testing Company, Inc.	100416-0	Tulsa	OK	Commercial
SGS U.S. Testing Company, Inc.	100416-0	Tulsa	OK	Thermal Insl.
Stanley Engineering Inc.	101568-0	Oklahoma City	OK	PLM
Stanley Engineering Inc.	101568-0	Oklahoma City	OK	TEM
OR				
ECS/Wagner Environmental	101064-0	Eugene	OR	PLM
Health Physics Northwest	100567-0	Tigard	OR	Dosimetry
InFocus Systems, Inc.	200152-0	Wilsonville	OR	FCC
Northwest EMC, Inc.	200059-0	Newberg	OR	FCC
PBS Environmental Building Consultants, Inc.	101910-0	Portland	OR	PLM
Professional Service Industries, Inc., Pittsburgh Test. Lab. Div.	100430-0	Eugene	OR	Wood Prod.
Timberco, Inc.- dba TECO	100420-0	Eugene	OR	Wood Prod.
Willamette Industries, Inc. West Coast Development Lab	200045-0	Wilsonville	OR	Commercial
PA				
Accredited Environmental Technologies, Inc.	101051-0	Media	PA	PLM
AGX, Inc.	101578-0	Cranberry Township	PA	PLM
Allegheny Asbestos Analysis	101704-0	Carnegie	PA	PLM
American Testing Laboratories, Inc.	100146-0	Lancaster	PA	Construction
Analab, LLC	200260-0	Sterling	PA	FCC
Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center	100228-0	Lancaster	PA	Acoustics
BCM Engineers	101374-0	Norristown	PA	PLM
Chemical Laboratory - Bar Technologies, Inc.	200148-0	Johnstown	PA	Fasteners
Criterion Laboratories, Inc.	102046-0	Bensalem	PA	PLM

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Dodge-Regupol, Inc. Laboratory	200030-0	Lancaster	PA	Commercial
Duquesne Light Company, Beaver Valley Power Station	100521-0	Shippingport	PA	Dosimetry
GA Environmental Services, Inc.	101996-0	Eddystone	PA	PLM
GCI Environmental Advisory, Inc.	101820-0	Wilkes-Barre	PA	PLM
GCI Environmental Advisory, Inc.	101820-0	Wilkes-Barre	PA	TEM
GPU Nuclear Chemistry/Materials Labs.	102064-0	Reading	PA	PLM
GPU Nuclear Corp. Nuclear Services Division	100510-0	Middletown	PA	Dosimetry
Henry Troemner, Inc.	105013-0	Philadelphia	PA	Calibration
Instrument Specialties Co., Inc.	200076-0	Delaware Water Gap	PA	FCC
Kevco Services, Inc.	101941-0	Butler	PA	PLM
Levecque Technical Center	100101-0	Blue Bell	PA	Thermal Insl.
Michael & Associates	100427-0	State College	PA	Acoustics
Microbac Laboratories, Inc.	101035-0	Erie	PA	PLM
PA DEP Bureau of Laboratories	101323-0	Harrisburg	PA	PLM
Pennsylvania Power and Light Company	100554-0	Allentown	PA	Dosimetry
Philip Analytical Services	101262-0	Reading	PA	PLM
Philip Analytical Services	101262-0	Reading	PA	TEM
PSI	101350-0	Pittsburgh	PA	PLM
PSI	101350-0	Pittsburgh	PA	TEM
R & B Enterprises	100280-0	West Conshohocken	PA	FCC
R & B Enterprises	100280-0	West Conshohocken	PA	MIL-STD-462
RJ Lee Group, Inc.	101208-0	Monroeville	PA	PLM
RJ Lee Group, Inc.	101208-0	Monroeville	PA	TEM
SPS Technologies; Aerospace Products Division	200164-0	Jenkintown	PA	Fasteners
SSM/Laboratories, Inc.	101112-0	Reading	PA	PLM
The Perryman Company	200128-0	Houston	PA	Fasteners
Volz Environmental Services, Inc.	101269-0	Pittsburgh	PA	PLM
PR				
Analytical Environmental Services International, Inc.	200051-0	Hato Rey	PR	PLM
RI				
RI Analytical Laboratories, Inc.	101440-0	Warwick	RI	PLM
Vortex Inc./DBA V-Lab	102105-0	Warwick	RI	PLM
SC				
Compliance Test Laboratories, Inc.	200237-0	Liberty	SC	FCC
Davis & Floyd, Inc.	101410-0	Greenwood	SC	PLM
South Carolina Department of Health & Environmental Control	101572-0	Columbia	SC	PLM
TN				
Knoxville Branch Laboratory-TN Dept. Health	101496-0	Knoxville	TN	PLM
Leland-Powell Fasteners, Inc. Fastener Testing Laboratory	200171-0	Martin	TN	Fasteners
MagneTek (Lexington) Engineering Laboratory	200053-0	Lexington	TN	Electric Motors

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
National Econ Corporation	200047-0	Memphis	TN	PLM
Oak Ridge Metrology Center, Dimensional Metrology	105000-0	Oak Ridge	TN	Calibration
Oak Ridge National Laboratory	200228-0	Oak Ridge	TN	PLM
Oak Ridge National Laboratory Electric Machinery Center	200244-0	Oak Ridge	TN	Electric Motors
R & D Services, Inc.	200265-0	Cookeville	TN	Thermal Insl.
Tennessee Valley Authority External Dosimetry Service	100516-0	Soddy-Daisy	TN	Dosimetry
Williams & Associates, Inc.	102027-0	Memphis	TN	PLM
TX				
A & B Environmental Services, Inc.	101793-0	Houston	TX	PLM
Acoustic Systems Acoustical Research Facility	100286-0	Austin	TX	Acoustics
ATC Associates, Inc.	101265-2	Dallas	TX	PLM
Atomic Energy Industrial Laboratory of the Southwest, Inc.	100556-0	Houston	TX	Dosimetry
Cam Environmental	200240-0	Pasadena	TX	PLM
CHEMTEX Environmental Laboratory, Inc.	200025-0	Port Arthur	TX	PLM
City of Austin-Holly Chemistry Lab.	200014-0	Austin	TX	PLM
Compaq Computer Corp. Emissions Control Lab	200058-0	Houston	TX	FCC
Dell Regulatory Test Laboratories	200052-0	Round Rock	TX	Acoustics
Dell Regulatory Test Laboratories	200052-0	Round Rock	TX	FCC
Dolphin Environmental Consultants	102086-0	Stafford	TX	PLM
EcoSystems Engineering, Inc.	101162-0	Carrollton	TX	PLM
EMSL Analytical, Inc.	102106-0	Houston	TX	PLM
EMSL Analytical, Inc.	102106-0	Houston	TX	TEM
EMSL Analytical, Inc.	200034-0	Dallas	TX	PLM
EMSL Analytical, Inc.	200034-0	Dallas	TX	TEM
ENSR Corporation	101148-0	Dallas	TX	PLM
Environmental Resource Consultants	101735-0	Austin	TX	PLM
Environmental Support Services, Inc.	101987-0	Richardson	TX	PLM
Envirotest, Inc.	101595-0	Houston	TX	PLM
ERI Consulting Engineers, Inc.	101232-0	Tyler	TX	PLM
HIH Laboratory, Inc.	101233-0	Webster	TX	PLM
IBM Austin EMC	200112-0	Austin	TX	FCC
International Compliance Corporation	100426-0	Lewisville	TX	FCC
Lambda Metrics	200122-0	Cedar Park	TX	FCC
Law Engineering and Environmental Services, Inc.	101973-0	Dallas	TX	PLM
Law Engineering, Inc.	101152-0	Houston	TX	PLM
Loflin Environmental Services	102044-0	Houston	TX	PLM
Maxim Technologies, Inc.	101091-0	Dallas	TX	PLM
Maxim Technologies, Inc.	101091-0	Dallas	TX	TEM
Maxim Technologies, Inc.	101091-1	Houston	TX	PLM
McKee Environmental Health, Inc.	101135-0	Friendswood	TX	PLM
Micro Air of Texas, Inc.	102008-0	Houston	TX	PLM
North American Analytical Labs, Inc.	101782-0	Abilene	TX	PLM
Omni Environmental, Inc.	102061-0	Austin	TX	PLM
Professional Testing (EMI), Inc.	200062-0	Round Rock	TX	FCC

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Quest MicroAnalytics, Inc.	200249-0	Dallas	TX	PLM
Reservoirs Environmental Services, Inc.	101896-1	Houston	TX	PLM
Reservoirs Environmental Services, Inc.	101896-1	Houston	TX	TEM
RheinTexas, Inc.	200245-0	Plano	TX	FCC
RJ Lee Group, Inc.	101208-5	Houston	TX	PLM
RJ Lee Group, Inc.	101208-5	Houston	TX	TEM
South Texas Project Dosimetry Laboratory	100519-0	Wadsworth	TX	Dosimetry
Steve Moody Micro Services, Inc.	102056-0	Carrollton	TX	PLM
Sun City Analytical, Inc.	101870-0	El Paso	TX	PLM
Terra-Mar, Inc.	101940-0	Dallas	TX	PLM
Toshiba/Houston Test Laboratory	200088-0	Houston	TX	Electric Motors
TU Electric-Comanche Peak Steam Electric Station	100528-0	Glen Rose	TX	Dosimetry
USAF Armstrong Laboratory/OEBD	100548-0	Brooks AFB	TX	Dosimetry
Walker Bolt Manufacturing Co.	200126-0	Houston	TX	Fasteners
Water, Earth Solutions & Technologies, Inc.	102043-0	Dallas	TX	PLM
Wayne Langston, Inc.	200021-0	League City	TX	FCC
UT				
Communication Certification Laboratory	100272-0	Salt Lake City	UT	FCC
Dixon Information Inc.	101012-0	South Salt Lake	UT	PLM
VA				
American Medical Laboratories	101136-0	Chantilly	VA	PLM
Applied Environmental, Inc.	101611-0	Reston	VA	PLM
Auditory Systems Laboratory, ISE Department, Virginia Tech	100352-0	Blacksburg	VA	Acoustics
Cryptographic Equipment Assessment Lab. (CEAL)	200002-0	McLean	VA	Cryptographic
Environmental Hazards Services, Inc.	101882-0	Richmond	VA	PLM
Environmental Testing and Monitoring Services, Inc.	200131-0	Virginia Beach	VA	PLM
Froehling & Robertson, Inc.	102060-0	Richmond	VA	PLM
Hubbell Lighting Photometric Laboratory	200020-0	Christiansburg	VA	Lighting
Industrial Laboratory	102115-0	Portsmouth	VA	PLM
Labcorp Analytics Laboratory	101004-0	Richmond	VA	PLM
Law Engineering and Environmental Services, Inc.	101847-0	Sterling	VA	PLM
Marine Chemist Service, Inc.	101425-0	Newport News	VA	PLM
Newport News Shipbuilding Radiological Control Department	100561-0	Newport News	VA	Dosimetry
North Anna Power Station	100520-0	Mineral	VA	Dosimetry
Pacific Environmental Services, Inc.	101190-0	Herndon	VA	PLM
Proxtronics, Inc.	100573-0	Burke	VA	Dosimetry
Rhein Tech Laboratories, Inc.	200061-0	Herndon	VA	FCC
RJ Lee Group, Inc.	101208-3	Manassas	VA	PLM
RJ Lee Group, Inc.	101208-3	Manassas	VA	TEM
Schneider Laboratories, Inc.	101150-0	Richmond	VA	PLM
Scientific Laboratories, Inc.	101904-0	Richmond	VA	PLM
Scientific Laboratories, Inc.	101904-0	Richmond	VA	TEM
SEAS, Inc.	101185-0	Blacksburg	VA	PLM
State of Virginia Metrology Lab	105007-0	Richmond	VA	Calibration

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
TC Analytics, Inc.	101672-0	Norfolk	VA	PLM
Versar, Inc.	101122-0	Springfield	VA	PLM
VT				
Vermont Fasteners Manufacturing	200254-0	Swanton	VT	Fasteners
WA				
APA - The Engineered Wood Association Research Center	100423-0	Tacoma	WA	Wood Prod.
Battelle - Pacific Northwest National Laboratory	200216-0	Richland	WA	Dosimetry
Clayton Environmental Consultants, Inc.	101106-0	Seattle	WA	PLM
EMSL Analytical, Inc.	200019-0	Seattle	WA	PLM
EMSL Analytical, Inc.	200019-0	Seattle	WA	TEM
Fluke Corporation Primary Standards Laboratory	105016-0	Everett	WA	Calibration
Key Tronic Corp.	200096-0	Spokane	WA	FCC
Lab/Cor, Inc.	101920-0	Seattle	WA	TEM
Mountain Laboratories	101890-0	Spokane	WA	PLM
Naval Nuclear Propulsion Program Directorate, Washington, D.C.	100565-0	Bremerton	WA	Dosimetry
Northwest Envirocon, Inc.	101869-0	Vancouver	WA	PLM
NVL Laboratories, Inc.	102063-0	Seattle	WA	PLM
Pacific Northwest National Laboratory	105020-0	Richland	WA	Calibration
Pacific Rim Environmental, Inc.	101631-0	Tukwila	WA	PLM
Prezant Associates, Inc.	101886-0	Seattle	WA	PLM
Puget Sound Naval Shipyard	101539-0	Bremerton	WA	PLM
Safe Environment of America	102021-0	Kent	WA	PLM
Underwriters Laboratories Inc.	200214-0	Camas	WA	FCC
United States Dosimetry Technology, Inc.	100571-0	Richland	WA	Dosimetry
Waste Management Federal Services of Hanford, Inc.	101058-0	Richland	WA	PLM
WI				
AIResearch, Inc.	101868-0	Wauwatosa	WI	PLM
Aurora Consolidated Laboratories	101661-0	West Allis	WI	PLM
Charter Steel	200160-0	Saukville	WI	Fasteners
Hufcor Laboratory	100239-0	Janesville	WI	Acoustics
Intertek Testing Services NA Inc.	200031-0	Middleton	WI	Thermal Insl.
Marathon Electric - Wausau Engineering Lab.	200134-0	Wausau	WI	Electric Motors
Micro Analytical, Inc.	101247-0	Milwaukee	WI	PLM
PFS Corporation	100421-0	Madison	WI	Wood Prod.
PSI, Inc.	200042-0	New Berlin	WI	PLM
Rice Lake Weighing Systems	105001-0	Rice Lake	WI	Calibration
Twin Ports Testing, Inc.	102083-0	Superior	WI	PLM
Wausau Insurance Companies	101079-0	Wausau	WI	PLM
Wisconsin Occupational Health Laboratory	101109-0	Madison	WI	PLM
WV				
Environmental Services, Inc.	101306-0	St. Albans	WV	PLM
Environmental Services, Inc.	101306-0	St. Albans	WV	TEM
Philips Lighting Corporate Calibration &	100399-0	Fairmont	WV	Lighting

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Standards Laboratory				
Triad, Inc.	102073-0	Huntington	WV	PLM
BRAZIL				
Acominas - Analysis and Testing Laboratory	200185-0	Ouro Branco MG	BRAZIL	Fasteners
Belgo-Mineira Chemical Laboratory	200196-0	35.930-900 Joao Monlevade	BRAZIL	Fasteners
CANADA				
Canadian Standards Association	100322-0	Etobicoke Ontario	CANADA	Commercial
Certelecom Laboratories, Inc.	100351-0	Ottawa Ontario	CANADA	FCC
Chatfield Technical Consulting Limited	101103-0	Mississauga Ontario	CANADA	PLM
DOMUS Software Limited ITSEC Laboratory	200017-0	Ottawa Ontario	CANADA	Cryptographic
Ingersoll Fasteners	200208-0	Ingersoll Ontario	CANADA	Fasteners
Ivaco Rolling Mills, Chemistry Laboratory	200143-0	L'Orignal Ontario	CANADA	Fasteners
LEX Scientific Inc.	101949-0	Guelph Ontario	CANADA	PLM
MPB Technologies, Inc. Ottawa	200282-0	Kanata, Ont.	CANADA	FCC
Northern Telecom BVW Lab	200098-0	Belleville, Ontario	CANADA	FCC
Northern Telecom Product Integrity Labs.	100350-0	Kanata Ontario	CANADA	FCC
Pinchin Environmental Consultants Ltd.	101270-0	Mississauga Ontario	CANADA	PLM
Small IAC Test Laboratory	200287-0	Peterborough, ON	CANADA	Electric Motors
Technology Products Assurance	200055-0	North York, Ontario	CANADA	FCC
UltraTech Engineering Labs Inc.	200093-0	Mississauga, Ontario	CANADA	FCC
Vibro-Acoustics Laboratory	100424-0	Scarborough Ontario	CANADA	Acoustics
INDIA				
Sundram Fasteners Limited (Inhouse test laboratory)	200212-0	Chennai (Madras), Tamil	INDIA	Fasteners
Sundram Fasteners Limited Chemical Testing Laboratory	200256-0	Andhra Pradesh	INDIA	Fasteners
JAPAN				
A-Pex International Co., Ltd. Yokowa Laboratory	200109-0	Mie-ken	JAPAN	FCC
Akzo Kashima Ltd. Kakegawa EMC Test Site	100290-2	Shizuoka	JAPAN	FCC
Akzo Kashima Ltd., Kashima EMC Site	100290-0	Ibaraki	JAPAN	FCC
Akzo Kashima Ltd., Matsuda EMC Test Site	100290-4	Kanagawa	JAPAN	FCC
Akzo Kashima Ltd., Nagano EMC Test Site	100290-3	Nagano	JAPAN	FCC
Akzo Kashima Ltd., Tochigi EMC Test Site	100290-5	Tochigi	JAPAN	FCC
Akzo Kashima Ltd., Yokohama Test Center	100290-1	Yokohama	JAPAN	FCC
Aoyama Fastener Laboratory	200213-0	Niwa-gun, Aichi Prefecture	JAPAN	Fasteners
Asakawa Screw Co., Ltd.	200197-0	Yokohama	JAPAN	Fasteners
Asakawa Screw Co., Ltd. Kawawa Factory	200257-0	Yokohama	JAPAN	Fasteners
Chemitox EMC Research, Inc.	200120-0	Yamanashi-ken	JAPAN	FCC
Cosmos Corporation	200151-0	Watarai-gun Mie	JAPAN	FCC
EMC Kashima Corporation	200070-0	Chiba-ken	JAPAN	FCC
Fuji Buhin Kogyo Kabushiki Kaisha	200203-0	Ohta Gunma	JAPAN	Fasteners
Fujitsu Evaluation Engineering Laboratory	200281-0	Numazu, Shizuoka-Pref.	JAPAN	FCC
Fuserashi Gunma	200173-0	Gunma-Ken	JAPAN	Fasteners
Hitachi Information Technology Co., Nakai Test Site	200186-0	Kanagawa	JAPAN	FCC
IBM Yamato EMC Engineering	200198-0	Yamato Kanagawa	JAPAN	FCC

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
IPS Corporation	200012-0	Nagano	JAPAN	FCC
Japan Quality Assurance Org. Chubu Testing Center Shikatsu Branch	200190-0	Aichi	JAPAN	FCC
Japan Quality Assurance Org. Safety Testing Ctr. Tsuru EMC Branch	200192-0	Yamanashi	JAPAN	FCC
Japan Quality Assurance Organization Kita-Kansai Testing Center	200191-0	Osaka	JAPAN	FCC
Japan Quality Assurance Organization Safety Testing Center	200189-0	Tokyo	JAPAN	FCC
Kansai Electronic Industry Development Center, Ikoma Testing Lab.	200207-0	Ikoma Nara	JAPAN	FCC
Kobe Steel Ltd. Kobe Works	200169-0	Kobe	JAPAN	Fasteners
Matsushita EMC Center	100428-0	Taki-gun, Hyogo	JAPAN	FCC
Metallic Material Laboratory in Toyota Motor Co.	200223-0	Toyota city Aichi	JAPAN	Fasteners
O & K Company Limited, Osaka Test Center	200166-0	Osaka-Shi	JAPAN	Fasteners
Ohtama Co., Ltd. Yamanashi EMC Test Site	200175-0	Yamanashi	JAPAN	FCC
Owari Precise Products Co., Ltd.	200227-0	Nagoya	JAPAN	Fasteners
PFU Technoconsul EMC Center	200259-0	Ishikawa-Ken	JAPAN	FCC
Ricoh Company, Ltd. Ohmori EMC Center	200163-0	Tokyo	JAPAN	FCC
Saga Tekkohsho Co., Ltd.	200176-0	Fujisawa-city Kanagawa	JAPAN	Fasteners
Sannohashi Corporation	200205-0	Yashioshi, Saitama-ken	JAPAN	Fasteners
Seiko Epson Corporation	200157-0	Shiojiri-City Nagano	JAPAN	FCC
Sony Atsugi EMC Site	200285-0	Shinagawa, Tokyo	JAPAN	FCC
Sugiura Seisakusho Co., Ltd.	200226-0	Nishio Aichi	JAPAN	Fasteners
Sumitomo Metal Technology, Inc. Kokura Division	200215-0	Kitakyushu	JAPAN	Fasteners
Tokin EMC Engineering Co., Ltd. Kawasaki Facility	200217-0	Kawasaki-city, Kanagawa	JAPAN	FCC
Tokin EMC Engineering Co., Ltd. Nagoya Testing Laboratory	200219-0	Daian-cho, Inabe-gun, Mie	JAPAN	FCC
Tokin EMC Engineering Co., Ltd. Osaka Testing Laboratory	200218-0	Sanda-city, Hyogo	JAPAN	FCC
Tokin EMC Engineering Co., Ltd. Tsukuba Testing Laboratory	200221-0	Tsukuba-city, Ibaraki	JAPAN	FCC
Topura Co., Ltd.	200181-0	Hadano Kanagawa	JAPAN	Fasteners
Topura Co., Ltd. Osaka	200242-0	Katano 576 Osaka	JAPAN	Fasteners
Topura Co., Ltd. Tokai	200243-0	Ogasagun 437-16 Shizuoka	JAPAN	Fasteners
Toshiba Corp., Ome Works	200107-0	Ome Tokyo	JAPAN	FCC
KOREA				
Korea Tokin EMC Engineering Co., Ltd.	200220-0	Namyangju-si, Kyunggi-Do	KOREA	FCC
LG Electronics, Inc., Quality and Reliability Center	200040-0	Seoul	KOREA	FCC
TAIWAN				
Advance Data Technology Corporation	200102-0	Taipei Hsien	TAIWAN	FCC
Electronic Research & Service Organization/ITRI	200118-0	Hsinchu	TAIWAN	FCC
Electronics Testing Center, Taiwan	200133-0	Taoyuan Hsien	TAIWAN	FCC
Global EMC Standard Tech. Corp.	200085-0	Taipei County	TAIWAN	FCC
International Standards Laboratory	200234-0	Hsichih Chen, Taipei	TAIWAN	FCC

(See 'How To Use This Directory' on page 7.)

LABORATORY NAME	NVLAP LAB CODE	CITY	STATE/ COUNTRY	FIELD
Neutron Engineering Inc.	200145-0	Taipei	TAIWAN	FCC
PEP Testing Laboratory	200097-0	Taipei Hsien	TAIWAN	FCC
Philips Electronics Industries (TAIWAN) Ltd.	200137-0	Chungli, Taoyuan	TAIWAN	FCC
Radiation Laboratory, Taiwan Power Company	100562-0	Shihmen, Taipei	TAIWAN	Dosimetry
San Shing Hardware Works Co., Ltd. Test Laboratory	200158-0	Tainan	TAIWAN	Fasteners
Spectrum Research & Testing Laboratory, Inc.	200099-0	Chun-Li, Taoyuan	TAIWAN	FCC
Sporton International, Inc.	200079-0	Taipei Hsien	TAIWAN	FCC
Taiwan Tokin EMC Eng. Corp.	200077-0	Taipei	TAIWAN	FCC
TAO/TA2 EMC Laboratory	200140-0	Taoyuan	TAIWAN	FCC
Training Research Co., Ltd.	200174-0	Taipei	TAIWAN	FCC
UNITED KINGDOM				
National Computing Centre Ltd.	100357-0	Manchester	U. K.	GOSIP

INDEX

D

LISTING OF TESTING LABORATORIES BY NVLAP LAB CODE

NVLAP LAB CODE 100101-0

Levecque Technical Center
1400 Union Meeting Road
P.O. Box 1100
Blue Bell, PA 19422-0761
Contact: Mr. Pete Herault
Phone: 610-341-6376
Fax: 610-341-6291
E-Mail: pete.herault@sgc.infonet.com

Thermal Insulation Materials
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Canadian Standards (Specifications)	
01/W01	CAN/CGSB-51.2-M88 (exclude ASTM C458)
01/W03	CAN/CGSB-51.10-92 (exclude Para. 5.2.5)
01/W04	CAN/CGSB-51.11-92 (exclude Para. 5.2.5)
01/WNOT	Scope excludes CGSB 51-GP-52M; however, ASTM E96 & ASTM D828 are included where specified in the Canadian Standards (01/W02-W04)
Corrosiveness	
01/C02	16 CFR-Part 1209.5
Flammability	
01/F01	TAPPI T461-OM
01/F05	ASTM E136
01/F07	16 CFR-Part 1209.6
01/F08	16 CFR-Part 1209.7
Mass, Density, and Dimensional Stability	
01/D01	ASTM C136
01/D02	ASTM C167
01/D08	ASTM C302
01/D09	ASTM C303
01/D11	ASTM C356
01/D12	ASTM C411
01/D24	ASTM C739 (Sec. 12)
01/D26	16 CFR-Part 1209.4
01/D27	ASTM C739 (Sec. 8)
01/D31	MIL-I-22344D (Para. 4.6.3, 4.6.4.)
Related Material Properties	
01/V04	ASTM E96
01/V07	ASTM C1104/C1104M
Strength	
01/S01b	ASTM C165 (Proc. B only)
01/S08	ASTM C446
01/S10	ASTM D828
01/S15	ASTM C421
01/S16	ASTM C1101/C1101M
Thermal Resistance	
01/T01	ASTM C177
01/T04	ASTM C236
01/T05	ASTM C335
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687

NVLAP LAB CODE 100103-0

Dow Chemical N. America Foam Products Research, Prod. Perf. Lab.
1605 Joseph Drive
Midland, MI 48674
Contact: Ms. Linda Hess
Phone: 517-636-5069
Fax: 517-636-0194

Thermal Insulation Materials
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Mass, Density, and Dimensional Stability	
01/D07	ASTM C272
01/D18	ASTM D1622
01/D19	ASTM D2126
01/D23	ASTM D2842
Related Material Properties	
01/V04	ASTM E96
Strength	
01/S02	ASTM C203
01/S07	ASTM C273
01/S11	ASTM D1621 (Proc. A)
Thermal Resistance	
01/T06	ASTM C518

NVLAP LAB CODE 100104-0

NAHB Research Center, Inc.
400 Prince George's Boulevard
Upper Marlboro, MD 20774-8731
Contact: Mr. Thomas M. Kenney, P.E.
Phone: 301-249-4000
Fax: 301-218-8827
E-Mail: tkenney@nahbrc.org
URL: http://www.hahbrc.org

Commercial Products Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Paints and Related Coatings and Materials	
09/A20	ASTM D2244
Plastics	
15/A18	ASTM D2565
15/A19	ASTM D2583
Plumbing	
19/M01	ANSI/CABO A117.1 (Sec. 4.24)
19/M02	ASME/ANSI A112.19.7M (Sec. 5, 7)
19/M03	ASME/ANSI A112.19.8M (Sec. 4, 5)
19/M04	ASTM F446
19/P01	ANSI Z124.1 (Sec. 4, 5, 6)
19/P02	ANSI Z124.2 (Sec. 4, 5, 6)
19/P03	ANSI Z124.3 (Sec. 4, 5, 6)
19/P04	ANSI Z124.4 (Sec. 4, 5)
19/P05	ANSI Z124.4 (Sec. 8) per ASME A112.19.6M (Sec. 7.1).

(See 'How To Use This Directory' on page 7.)

19/P06 ANSI/IAPMO Z124.6 (Sec. 4, 5, 6)
19/P07 ANSI/IAPMO Z124.8 (Sec. 4, 5)
19/V01 ASME A112.19.2M (Sec. 7.1)
19/V02 ASME A112.19.2M (Sec. 7.2)
19/V03 ASME A112.19.2M (Sec. 7.3)
19/V04 ASME A112.19.2M (Sec. 7.4)
19/V06 ASME A112.19.2M (Sec. 7.7)
19/W01 ASME A112.19.6 (Sec. 7.1.2)
19/W02 ASME A112.19.6 (Sec. 7.1.3)
19/W03 ASME A112.19.6 (Sec. 7.1.4)
19/W04 ASME A112.19.6 (Sec. 7.1.5)
19/W05 ASME A112.19.6 (Sec. 7.1.6)
19/W06 ASME A112.19.6 (Sec. 7.1.7)
19/W07 ASME A112.19.6 (Sec. 7.1.8)
19/W08 ASME A112.19.6 (Sec. 7.1.9)

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Mass, Density, and Dimensional Stability
01/D02 ASTM C167
01/D13 ASTM C519
01/D27 ASTM C739 (Sec. 8)

Thermal Resistance
01/T06 ASTM C518
01/T09 ASTM C653
01/T10 ASTM C687

NVLAP LAB CODE 100108-0

TSi, Testing Services, Inc.

1105 Riverbend Drive
P.O. Box 2041
Dalton, GA 30720
Contact: Mr. Erle W. Miles, Jr.
Phone: 706-226-1400
Fax: 706-226-6118

URL: http://www.testing1-2-3.com

Carpet and Carpet Cushion

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Tests Applicable to Carpet and Carpet Cushion
03/T01 AATCC 16 (Option E)
03/T02 ASTM D2646 (Secs. 16-24)
03/T04 16 CFR Part 1630 (FF-1-70)

Tests Applicable to Carpets
03/G01 AATCC 20
03/G02 AATCC 20A
03/G03 AATCC 134
03/G04 AATCC 165
03/G05 ASTM D418 (Sec. 8)
03/G06 ASTM D418 (Sec. 9)
03/G07 ASTM D418 (Secs. 10-11)
03/G08 ASTM D418 (Sec. 13)
03/G09 ASTM D1335
03/G10 ASTM D3936
03/G11 ASTM D5252
03/G12 ASTM E648
03/G13 ASTM E662
03/G14 Fed Spec, DDD-C-0095A

NVLAP LAB CODE 100109-0

Owens Corning - Granville

2790 Columbus Road, Route 16
Granville, OH 43023-1200
Contact: Mr. John R. Mumaw
Phone: 740-321-7068
Fax: 740-321-4067
E-Mail: John.Mumaw@owens-corning.com

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Corrosiveness
01/C01 ASTM C739 (Sec. 9)

Flammability
01/F02 ASTM E84
01/F05 ASTM E136
01/F07 16 CFR-Part 1209.6
01/F08 16 CFR-Part 1209.7

Mass, Density, and Dimensional Stability
01/D02 ASTM C167
01/D08 ASTM C302
01/D09 ASTM C303
01/D11 ASTM C356
01/D12 ASTM C411
01/D24 ASTM C739 (Sec. 12)
01/D27 ASTM C739 (Sec. 8)

Related Material Properties
01/V04 ASTM E96

Strength
01/S01a ASTM C165 (Proc. A only)
01/S02 ASTM C203
01/S08 ASTM C446

Thermal Resistance
01/T01 ASTM C177
01/T05 ASTM C335
01/T06 ASTM C518
01/T09 ASTM C653
01/T10 ASTM C687
01/T11 ASTM C976

NVLAP LAB CODE 100113-0

Holometrix, Inc.

25 Wiggins Avenue
Bedford, MA 01730-2323
Contact: Mr. Timothy Kunz
Phone: 617-275-3300 x245
Fax: 617-275-3705
E-Mail: info@holometrix.com
URL: http://www.holometrix.com

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

(See 'How To Use This Directory' on page 7.)

Thermal Resistance

01/T01	ASTM C177
01/T05	ASTM C335
01/T06	ASTM C518
01/T11	ASTM C976

NVLAP LAB CODE 100120-0

Commercial Testing Company

1215 South Hamilton Street
P.O. Box 985
Dalton, GA 30722-0985
Contact: Mr. Jonathan Jackson
Phone: 706-278-3935
Fax: 706-278-3936

Carpet and Carpet Cushion

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet Cushion	
03/U01a	ASTM D3574 (Sec. 8.2 & Test A)
03/U01b	ASTM D3676 (Secs. 10-12)
03/U02	ASTM D297
03/U06	ASTM D1667 (Suffix B)
03/U07	ASTM D3574 (Test C)
03/U08	ASTM D3574 (Test D)
03/U09	ASTM D3574 (Test E)
03/U10	ASTM D3676 (Sec.13)
03/U11	ASTM D3676 (Sec.14)
03/U12	ASTM D3676 (Sec.15)
03/U13	ASTM D3676 (Sec.16)
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T03	ASTM E84
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G03	AATCC 134
03/G04	AATCC 165
03/G05	ASTM D418 (Sec. 8)
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)
03/G08	ASTM D418 (Sec. 13)
03/G09	ASTM D1335
03/G10	ASTM D3936
03/G12	ASTM E648
03/G13	ASTM E662

NVLAP LAB CODE 100131-0

H.C. Nutting Company

4120 Airport Road
P.O. Box "C"
Cincinnati, OH 45226-1675
Contact: Mr. Jerry L. Lindsey
Phone: 513-321-5816
Fax: 513-321-0294

Construction Materials Testing

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A08	ASTM C123
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75
02/A16	ASTM D2419
02/A44	ASTM C566
02/A46	ASTM C535
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A40	ASTM C78
02/A41	ASTM C192
02/A43	ASTM C1064
02/A45	ASTM C42
02/A47	ASTM C457
02/A48	ASTM C856
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Standard Practices	
02/A38	ASTM E329
02/A39	ASTM C1077

NVLAP LAB CODE 100139-0

American Carpet Laboratories, Inc.

7517 Nashville Street
P.O. Box 357
Ringgold, GA 30736
Contact: Mr. Michael D. Connell
Phone: 706-935-5672
Fax: 706-891-5713

(See 'How To Use This Directory' on page 7.)

Carpet and Carpet Cushion
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Tests Applicable to Carpet Cushion
03/U01a ASTM D3574 (Sec. 8.2 & Test A)
03/U01b ASTM D3676 (Secs. 10-12)
Tests Applicable to Carpet and Carpet Cushion
03/T01 AATCC 16 (Option E)
03/T02 ASTM D2646 (Secs. 16-24)
03/T04 16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets
03/G04 AATCC 165
03/G05 ASTM D418 (Sec. 8)
03/G06 ASTM D418 (Sec. 9)
03/G07 ASTM D418 (Secs. 10-11)
03/G08 ASTM D418 (Sec. 13)
03/G09 ASTM D1335
03/G10 ASTM D3936
03/G12 ASTM E648
03/G13 ASTM E662
03/G14 Fed Spec, DDD-C-0095A

NVLAP LAB CODE 100142-0

Geoscience Ltd.

6260-B Marindustry Drive
San Diego, CA 92121
Contact: Dr. H. F. Poppendiek
Phone: 619-453-5483
Fax: 619-453-4694

Thermal Insulation Materials
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Flammability
01/F05 ASTM E136
Thermal Resistance
01/T01 ASTM C177
01/T04 ASTM C236

NVLAP LAB CODE 100146-0

American Testing Laboratories, Inc.

784 Flory Mill Road
P.O. Box 4014
Lancaster, PA 17604-4014
Contact: Mr. John S. Kassees
Phone: 717-569-0488
Fax: 717-569-3429

Construction Materials Testing
Accreditation Valid Through: March 31, 1998
NVLAP
Code *Designation*

Aggregates
02/A03 ASTM C29
02/A04 ASTM C40
02/A06 ASTM C88
02/A09 ASTM C127
02/A10 ASTM C128
02/A11 ASTM C131
02/A12 ASTM C136
02/A46 ASTM C535
Cement
02/A51 ASTM C780 (Annex A7)
02/A52 ASTM C1019
Concrete
02/A01 ASTM C39
02/A02 ASTM C617
02/A41 ASTM C192
02/A43 ASTM C1064
02/A45 ASTM C42
02/G01 ASTM C31/C172/C143/C138/C231
02/G02 ASTM C173
Soil and Rock
02/L02 ASTM D422
02/L04 ASTM D698
02/L05 ASTM D854
02/L06 ASTM D1140
02/L08 ASTM D1557
02/L11 ASTM D2166
02/L16 ASTM D2487
02/L17 ASTM D2488
02/L20 ASTM D4318
02/L23 ASTM D2922
02/L25 ASTM D3017

NVLAP LAB CODE 100156-0

Mohawk Industries, Inc.- Lyerly Plant

Route 1, Box 32, Highway 114
Lyerly, GA 30730
Contact: Mr. Richard Turner
Phone: 706-895-3341 x6250
Fax: 706-895-2346

Carpet and Carpet Cushion
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Tests Applicable to Carpet and Carpet Cushion
03/T01 AATCC 16 (Option E)
03/T02 ASTM D2646 (Secs. 16-24)
03/T04 16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets
03/G04 AATCC 165
03/G05 ASTM D418 (Sec. 8)
03/G06 ASTM D418 (Sec. 9)
03/G07 ASTM D418 (Secs. 10-11)
03/G08 ASTM D418 (Sec. 13)
03/G09 ASTM D1335
03/G10 ASTM D3936

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100166-0

Independent Textile Testing Service, Inc.
1503 Murray Avenue, P.O. Box 1948
Dalton, GA 30722-1948
Contact: Mr. L. Kent Suddeth
Phone: 706-278-3013
Fax: 706-272-7057
E-Mail: ittslab@dalton.net
URL: ittslab.com

Carpet and Carpet Cushion
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet Cushion	
03/U01a	ASTM D3574 (Sec. 8.2 & Test A)
03/U01b	ASTM D3676 (Secs. 10-12)
03/U02	ASTM D297
03/U03	ASTM D629 (Sec. 10)
03/U04	ASTM D629 (Secs. 13-22)
03/U05	ASTM D629 (Secs. 23-27)
03/U06	ASTM D1667 (Suffix B)
03/U07	ASTM D3574 (Test C)
03/U08	ASTM D3574 (Test D)
03/U09	ASTM D3574 (Test E)
03/U10	ASTM D3676 (Sec.13)
03/U11	ASTM D3676 (Sec.14)
03/U12	ASTM D3676 (Sec.15)
03/U13	ASTM D3676 (Sec.16)
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G01	AATCC 20
03/G02	AATCC 20A
03/G03	AATCC 134
03/G04	AATCC 165
03/G05	ASTM D418 (Sec. 8)
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)
03/G08	ASTM D418 (Sec. 13)
03/G09	ASTM D1335
03/G10	ASTM D3936
03/G11	ASTM D5252
03/G12	ASTM E648
03/G13	ASTM E662
03/G14	Fed Spec, DDD-C-0095A

NVLAP LAB CODE 100178-0

Mohawk Industries, Inc., Karastan Rug Mill Testing
712 Henry Street
P.O. Box 130
Eden, NC 27289-0130
Contact: Mr. Charles B. Harrington
Phone: 910-623-6000 x3514
Fax: 910-623-1146

Carpet and Carpet Cushion
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet Cushion	
03/U01b	ASTM D3676 (Secs. 10-12)
03/U10	ASTM D3676 (Sec.13)
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G03	AATCC 134
03/G04	AATCC 165
03/G05	ASTM D418 (Sec. 8)
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)
03/G08	ASTM D418 (Sec. 13)
03/G09	ASTM D1335
03/G10	ASTM D3936
03/G12	ASTM E648
03/G13	ASTM E662
03/G14	Fed Spec, DDD-C-0095A

NVLAP LAB CODE 100190-0

Beaulieu of America - Carpet Testing Lab
1502 Coronet Drive
P.O. Box 1248
Dalton, GA 30722-1248
Contact: Mr. E. Ronald Vinyard
Phone: 706-259-4511 x1272
Fax: 706-259-4511 x1510

Carpet and Carpet Cushion
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G04	AATCC 165
03/G05	ASTM D418 (Sec. 8)
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)

(See 'How To Use This Directory' on page 7.)

03/G08 ASTM D418 (Sec. 13)
03/G09 ASTM D1335
03/G10 ASTM D3936

NVLAP LAB CODE 100191-0

STS Consultants, Ltd.

1869 Techny Road
Northbrook, IL 60062
Contact: Mr. William P. Quinn
Phone: 847-267-8010
Fax: 847-272-8320
E-Mail: quinn@stsltd.com

Construction Materials Testing

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Aggregates

02/A03 ASTM C29
02/A04 ASTM C40
02/A06 ASTM C88
02/A07 ASTM C117
02/A09 ASTM C127
02/A10 ASTM C128
02/A11 ASTM C131
02/A12 ASTM C136
02/A46 ASTM C535

Cement

02/A17 ASTM C109

Concrete

02/A01 ASTM C39
02/A02 ASTM C617
02/A40 ASTM C78
02/A45 ASTM C42
02/G01 ASTM C31/C172/C143/C138/C231
02/G02 ASTM C173

Road and Paving Materials

02/M03 ASTM D140
02/M09 ASTM D1074
02/M11 ASTM D1188
02/M12 ASTM D1559
02/M19 ASTM D2172
02/M24 ASTM D2041
02/M25 ASTM D2726

Soil and Rock

02/L02 ASTM D422
02/L03 ASTM D427
02/L04 ASTM D698
02/L05 ASTM D854
02/L06 ASTM D1140
02/L08 ASTM D1557
02/L10 ASTM D1883
02/L11 ASTM D2166
02/L13 ASTM D2216
02/L15 ASTM D2435
02/L17 ASTM D2488
02/L18 ASTM D3080
02/L20 ASTM D4318
02/L21 ASTM D2434
02/L22 ASTM D2850
02/L23 ASTM D2922
02/L24 ASTM D2974
02/L29 Corps of Engineers - Manual EM-1110-2-1906, Appendix VII, Permeability of Fine Grained Soils Using a Triaxial Apparatus
02/L30 Corps of Engineers - Manual EM-1110-2-1906, Appendix X, Consolidated Undrained and Consolidated Drained Triaxial Test
02/L46 ASTM D5084

Standard Practices

02/A38 ASTM E329
02/A39 ASTM C1077
02/L32 ASTM D3740
02/M26 ASTM D3666

NVLAP LAB CODE 100193-0

Technical Services, Central Laboratory Operations

South Glenwood Avenue
P.O. Box 2128
Dalton, GA 30722-2128
Contact: Mr. Jerry T. Wright Jr.
Phone: 706-275-2205
Fax: 706-275-2221
E-Mail: jay.wright@shawinc.com

Carpet and Carpet Cushion

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Tests Applicable to Carpet and Carpet Cushion

03/T01 AATCC 16 (Option E)
03/T02 ASTM D2646 (Secs. 16-24)
03/T04 16 CFR Part 1630 (FF-1-70)

Tests Applicable to Carpets

03/G04 AATCC 165
03/G06 ASTM D418 (Sec. 9)
03/G07 ASTM D418 (Secs. 10-11)
03/G08 ASTM D418 (Sec. 13)
03/G09 ASTM D1335
03/G10 ASTM D3936
03/G12 ASTM E648
03/G13 ASTM E662

NVLAP LAB CODE 100197-0

World Carpets, Inc.

One World Plaza
P.O. Box 1448
Dalton, GA 30720-1448
Contact: Mr. Wayne Murdock
Phone: 706-278-8000
Fax: 706-278-4982
E-Mail: worldtechlab@juno.com

(See 'How To Use This Directory' on page 7.)

Carpet and Carpet Cushion
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G04	AATCC 165
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)
03/G08	ASTM D418 (Sec. 13)
03/G09	ASTM D1335
03/G10	ASTM D3936

NVLAP LAB CODE 100210-0

Flexible Products Company

2050 North Broadway
Joliet, IL 60435-3187
Contact: Mr. Robert Braun
Phone: 815-741-6800 x1560
Fax: 815-774-6522
E-Mail: rbraun@flexpro.com

Thermal Insulation Materials
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Mass, Density, and Dimensional Stability	
01/D15	ASTM D756 (Proc. A)
01/D16	ASTM D756 (Proc. B)
01/D17	ASTM D756 (Proc. E)
01/D18	ASTM D1622
01/D19	ASTM D2126
01/D23	ASTM D2842
Related Material Properties	
01/V04	ASTM E96
Strength	
01/S02	ASTM C203
01/S07	ASTM C273
01/S11	ASTM D1621 (Proc. A)
Thermal Resistance	
01/T06	ASTM C518

NVLAP LAB CODE 100227-0

Riverbank Acoustical Laboratories

1512 S. Batavia Avenue
P.O. Box 189
Geneva, IL 60134-3302
Contact: Mr. John W. Kopec
Phone: 630-232-0104
Fax: 630-232-0138
E-Mail: ral@imaxx.net

Acoustical Testing Services
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423
08/P05	ASTMC523
08/P06	ASTM E90
08/P07	ASTM E492
08/P10	ANSI S12.31 (ISO 3741)
08/P30	ASTM E1408

NVLAP LAB CODE 100228-0

Armstrong Acoustic Labs, Armstrong World Ind., Inc. Innov. Center

P.O. Box 3511
2500 Columbia Avenue
Lancaster, PA 17604
Contact: Mr. Robert Alan Hallman
Phone: 717-396-6225
Fax: 717-396-5865
E-Mail: Robert_A_Hallman@armstrong.com

Acoustical Testing Services
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423 (ISO 354)
08/P07	ASTM E492
08/P28	ASTM E1375
08/P29	ASTM E1376
08/P33	ASTM E1111
08/P34	ASTM E1414 (AMA-1-II-67)(ISO 140, Part 9)

NVLAP LAB CODE 100239-0

Hufcor Laboratory

1017 South Jackson Street
P.O. Box 591
Janesville, WI 53547-0591
Contact: Mr. Stan Kowalczyk
Phone: 608-756-1241 x242
Fax: 608-756-1246

Acoustical Testing Services
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
08/P06	ASTM E90 (ISO 140, Part 3)
08/P31	ASTM E336

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100247-0

Hollytex Carpet Mills, Inc.
505 N.E. 7th
P.O. Box 369
Anadarko, OK 73005-2299
Contact: Mr. Joe Mayfield
Phone: 405-247-7453
Fax: 405-247-9303

Carpet and Carpet Cushion
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G04	AATCC 165
03/G09	ASTM D1335
03/G10	ASTM D3936

NVLAP LAB CODE 100248-0

Knauf Fiber Glass Research Laboratory
240 Elizabeth Street
Shelbyville, IN 46176-1496
Contact: Mr. Timothy R. Jonas
Phone: 317-398-4434
Fax: 317-398-3675

Thermal Insulation Materials
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Mass, Density, and Dimensional Stability	
01/D02	ASTM C167
01/D08	ASTM C302
01/D09	ASTM C303
01/D11	ASTM C356
01/D12	ASTM C411
01/D13	ASTM C519
Strength	
01/S01a	ASTM C165 (Proc. A only)
Thermal Resistance	
01/T01	ASTM C177
01/T05	ASTM C335
01/T06	ASTM C518
01/T09	ASTM C653
01/T10	ASTM C687

NVLAP LAB CODE 100251-0

St. of California, Bur. of Home Furnishings & Thermal Insulation
3485 Orange Grove Avenue
North Highlands, CA 95660-5595
Contact: Dr. Stephen J. Fischer
Phone: 916-574-2060
Fax: 916-574-2449

Thermal Insulation Materials
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Corrosiveness	
01/C01	ASTM C739 (Sec. 9)
01/C02	16 CFR-Part 1209.5
Flammability	
01/F07	16 CFR-Part 1209.6
01/F08	16 CFR-Part 1209.7
01/F09	ASTM C739 (Sec. 10)
01/F10	ASTM C739 (Sec. 14)
Mass, Density, and Dimensional Stability	
01/D02	ASTM C167
01/D08	ASTM C302
01/D09	ASTM C303
01/D26	16 CFR-Part 1209.4
01/D27	ASTM C739 (Sec. 8)
Thermal Resistance	
01/T01	ASTM C177
01/T05	ASTM C335

NVLAP LAB CODE 100252-0

D/L Laboratories
116 East 16th Street
New York, NY 10003-2174
Contact: Mr. Saul Spindel
Phone: 212-777-4445
Fax: 212-505-8419
E-Mail: dllabs@aol.com

Commercial Products Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Building Seals and Sealants	
13/O01	ASTM C510
13/O02a	ASTM C603
13/O02b	CAN2-19.0-M77, Meth. 3.1
13/O03	ASTM C639
13/O04a	ASTM C661
13/O04b	CAN2-19.0-M77, Meth. 8.1
13/O05a	ASTM C679
13/O05b	CAN2-19.0-M77, Meth. 2.1
13/O11a	ASTM C719
13/O11b	CAN2-19.0-M77, Meth. 14.4
13/O12	ASTM C731
13/O13	ASTM C732

(See 'How To Use This Directory' on page 7.)

13/O14 ASTM C733
13/O15 ASTM C734
13/O16 ASTM C736
13/O19a ASTM C792
13/O19b CAN2-19.0-M77, Meth. 5.1
13/O20 ASTM C793
13/O21 ASTM C794
13/O22 ASTM C910
13/O23 ASTM D2202
13/O31 CAN2-19.0-M77, Meth. 7.1
13/O32 CAN2-19.0-M77, Meth. 7.3
13/O33 CAN2-19.0-M77, Meth. 8.2
13/O34 CAN2-19.0-M77, Meth. 11.1
13/O35 CAN2-19.0-M77, Meth. 14.7
13/O36 CAN2-19.0-M77, Meth. 19.2

Paints and Related Coatings and Materials

09/A01 ASTM D56
09/A02 ASTM D93 (Method A)
09/A04 ASTM D185
09/A07 ASTM D523
09/A08 ASTM D562
09/A12 ASTM D1210
09/A15 ASTM D1310
09/A17 ASTM D1475
09/A20 ASTM D2244
09/A21 ASTM D3278
09/A22 ASTM D3363
09/A26 ASTM E1347
09/A30 CGSB Method 1-GP-71, Meth. 10.1
09/A31 CGSB Method 1-GP-71, Meth. 12.8
09/A32 CGSB Method 1-GP-71, Meth. 45.1
09/B03 ASTM D344
09/B09 ASTM D711
09/B13a ASTM D968
09/B13b CGSB Method 1-GP-71 Meth. 104.1
09/B19a ASTM D1308
09/B19b CGSB Method 1-GP-71, Meth. 105.1
09/B19c CGSB Method 1-GP-71, Meth. 106.1
09/B19d CGSB Method 1-GP-71, Meth. 107.1
09/B19e CGSB Method 1-GP-71, Meth. 110.1
09/B23 ASTM D1640
09/B24 ASTM D522
09/B25 ASTM D2197
09/B26 ASTM D2243
09/B29 ASTM D2486
09/B31 ASTM D2805
09/B32 ASTM D3273
09/B33 ASTM D3274
09/B34 ASTM D3450
09/B37 ASTM D4060
09/B38 ASTM D4062
09/B43 ASTM D3359
09/B45 CGSB Method 1-GP-71, Meth. 14.1
09/B46a ASTM D1849
09/B46b CGSB Method 1-GP-71, Meth. 30.3
09/B47 CGSB Method 1-GP-71, Meth. 32.1
09/B48 CGSB Method 1-GP-71, Meth. 37.3
09/B49 CGSB Method 1-GP-71, Meth. 112.2
09/B50 CGSB Method 1-GP-71, Meth. 114.1
09/B52 CGSB Method 1-GP-71, Meth. 123.2
09/B53 CGSB Method 1-GP-71, Meth. 125.1
09/B54 CGSB Method 1-GP-71, Meth. 127.1
09/B55 CGSB Method 1-GP-71, Meth. 130.1
09/B56 CGSB Method 1-GP-71, Meth. 131.2
09/B57 CGSB Method 1-GP-71, Meth. 132.1
09/B58 CGSB Method 1-GP-71, Meth. 134.1
09/B59 CGSB Method 1-GP-71, Meth. 135.1
09/B59 CGSB Method 1-GP-71, Meth. 135.1
09/B60 CGSB Method 1-GP-71, Meth. 142.1
09/C26a ASTM D2369
09/C26b CGSB Method 1-GP-71, Meth.17.1
09/C26c CGSB Method 1-GP-71, Meth. 19.1
09/C27 ASTM D2371
09/C28 ASTM D2697
09/C29 ASTM D2698
09/C37 ASTM D3723
09/C39 ASTM D3960
09/C40 ASTM D4017
09/C42 CGSB Method 1-GP-71, Meth. 21.1
09/C43 CGSB Method 1-GP-71, Meth. 24.1
09/C44 ASTM D5095
09/C45 CGSB Method 1-GP-71, Meth. 69.3
09/D01 ASTM B117
09/D04 ASTM D823 (Limited to Practices B, C, D, and E)
09/D14 ASTM G23
09/D16 ASTM G53

NVLAP LAB CODE 100255-0

Underwriters Laboratories, Inc.

1285 Walt Whitman Road
Melville, NY 11747-3081
Contact: Mr. Jim Beyreis
Phone: 708-272-8800
Fax: 708-272-8129

URL: http://www.ul.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001
12/T42 TS-002
12/T44 TS-004
12/T45 TS-006
12/T46 TS-008

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T50 AS/NZS 3260
12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 -

(See 'How To Use This Directory' on page 7.)

	Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
12/T01c	68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100256-0

Western Electro-Acoustic Lab., Inc.

1711 16th Street
Santa Monica, CA 90404
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Phone: 310-450-1733
Fax: 310-396-3424
E-Mail: psva@psva.com

Acoustical Testing Services

Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423
08/P06	ASTM E90
08/P31	ASTM E336
08/P32	ASTM E1007

NVLAP LAB CODE 100259-0

MacMillan Bloedel Packaging, Inc., Combined Board Test Lab

Highway 10 East
P.O. Box 336
Pine Hill, AL 36769-5336
Contact: Mr. Don Whitc
Phone: 334-963-4391
Fax: 334-963-4887

Commercial Products Testing

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Paper and Related Products	
09/E02	TAPPI T402-OM; ASTM D685
09/E05	TAPPI T410-OM
09/E06	TAPPI T411-OM
09/E07	TAPPI T412-OM; ASTM D644
09/E08	TAPPI T414-OM
09/E12	TAPPI T459-OM; ASTM D2482
09/E13	TAPPI T460-OM; ASTM D726
09/E20	TAPPI T809-OM
09/E22	TAPPI T807-OM
09/E25	TAPPI T826-PM
09/E28	TAPPI T541-OM
09/E30	TAPPI T822-OM
09/H01	ASTM D642; TAPPI T804-OM
09/H26	TAPPI UM-807
09/H28	TAPPI T810-OM
09/H29	TAPPI T811-OM
09/H30	TAPPI T821-OM
09/H31	TAPPI T825-PM

NVLAP LAB CODE 100261-0

Resources, Applications, Designs & Control, Inc. (RADCO)

3220 E. 59th Street
Long Beach, CA 90805-4502
Contact: Mr. Michael L. Zieman
Phone: 562-272-7231
Fax: 562-529-7513
E-Mail: latefather@aol.com

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Mass, Density, and Dimensional Stability	
01/D07	ASTM C272
01/D09	ASTM C303
01/D19	ASTM D2126
Related Material Properties	
01/V04	ASTM E96
Strength	
01/S02	ASTM C203
01/S10	ASTM D828
01/S11	ASTM D1621 (Proc. A)
Thermal Resistance	
01/T06	ASTM C518

NVLAP LAB CODE 100267-0

Retlif Testing Laboratories

795 Marconi Avenue
Ronkonkoma, NY 11779-7231
Contact: Mr. Ross A. Hansen
Phone: 516-737-1500
Fax: 516-737-1497
E-Mail: 72723.1447@compuserve.com
URL: http://www.retlif.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
AUSTEL Technical Standards as determined under the Telecommunications Act of 1991	
12/T42	TS-002
12/T43	TS-003
12/T44	TS-004
12/T45	TS-006
12/T46	TS-008

(See 'How To Use This Directory' on page 7.)

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital

12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection

12/T01b 68.316 Hearing Aid Compatibility: technical standards

12/T01c 68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Conducted Emissions:

12/A01 MIL-STD-462 Method CE01

12/A04 MIL-STD-462 Method CE02

12/A06 MIL-STD-462 Method CE03

12/A08 MIL-STD-462 Method CE04

12/A12 MIL-STD-462 Method CE07

Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01

12/B02 MIL-STD-462 Method CS02

12/B05 MIL-STD-462 Method CS06

12/B08 MIL-STD-462 Method CS10

12/B09 MIL-STD-462 Method CS11

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01

12/D02 MIL-STD-462 Method RE02

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01

12/E02 MIL-STD-462 Method RS02

12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)

12/E05 MIL-STD-462 Method RS05

12/E07 MIL-STD-462 Method RS06

NVLAP LAB CODE 100267-1

Retlif Testing Laboratories

101 New Boston Road
Goffstown, NH 03045
Contact: John Monahan
Phone: 603-497-4600
Fax: 603-497-5281

URL: http://www.retlif.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T42 TS-002

12/T43 TS-003

12/T44 TS-004

12/T45 TS-006

12/T46 TS-008

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100268-0

TUV Product Service, Inc.

10040 Mesa Rim Road
San Diego, CA 92121-1034
Contact: Mr. John G. Smith
Phone: 619-546-3999
Fax: 619-546-0364
E-Mail: jsmith@TUVps.com
URL: http://www.tuvps.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz

(See 'How To Use This Directory' on page 7.)

to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/C1S22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

MIL-STD-462 Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Conducted Emissions:

12/A01 MIL-STD-462 Method CE01
12/A04 MIL-STD-462 Method CE02
12/A06 MIL-STD-462 Method CE03
12/A08 MIL-STD-462 Method CE04
12/A10 MIL-STD-462 Method CE06
12/A12 MIL-STD-462 Method CE07

Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01
12/B02 MIL-STD-462 Method CS02
12/B04 MIL-STD-462 Method CS03/CS04/CS05/CS08
12/B05 MIL-STD-462 Method CS06
12/B06 MIL-STD-462 Method CS07
12/B07 MIL-STD-462 Method CS09

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01
12/D02 MIL-STD-462 Method RE02
12/D03 MIL-STD-462 Method RE03

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01
12/E02 MIL-STD-462 Method RS02
12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)

NVLAP LAB CODE 100269-0

Intermec Technologies Corporation, Norand Mobile System Division

550 Second Street S.E.
Cedar Rapids, IA 52401
Contact: Mr. Cedric Brownfield
Phone: 319-846-2415
Fax: 319-846-2475
E-Mail: brownfieldcn@norand.com
URL: http://www.norand.com/sup-emctestlab.html

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/C1S22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100270-0

Intertek Testing Services NA Inc.

593 Massachusetts Avenue
Boxborough, MA 01719-1503
Contact: Mr. Roland W. Gubisch
Phone: 508-263-2662
Fax: 508-263-7086
E-Mail: rwg@itsqs.com
URL: http://www.worldlab.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001
12/T42 TS-002
12/T43 TS-003
12/T44 TS-004
12/T45 TS-006
12/T46 TS-008
12/T49 TS-016

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b 68.316 Hearing Aid Compatibility: technical

(See 'How To Use This Directory' on page 7.)

standards

12/T01c 68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Conducted Emissions:

12/A01 MIL-STD-462 Method CE01
12/A04 MIL-STD-462 Method CE02
12/A06 MIL-STD-462 Method CE03
12/A08 MIL-STD-462 Method CE04
12/A10 MIL-STD-462 Method CE06
12/A12 MIL-STD-462 Method CE07

Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01
12/B02 MIL-STD-462 Method CS02
12/B04 MIL-STD-462 Method CS03/CS04/CS05/CS08
12/B05 MIL-STD-462 Method CS06
12/B06 MIL-STD-462 Method CS07
12/B07 MIL-STD-462 Method CS09
12/B08 MIL-STD-462 Method CS10
12/B09 MIL-STD-462 Method CS11
12/B10 MIL-STD-462 Method CS12
12/B11 MIL-STD-462 Method CS13

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01
12/D02 MIL-STD-462 Method RE02
12/D03 MIL-STD-462 Method RE03

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01
12/E02 MIL-STD-462 Method RS02
12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E05 MIL-STD-462 Method RS05
12/E07 MIL-STD-462 Method RS06

NVLAP LAB CODE 100271-0

TUV Product Service, Inc.

1775 Old Hwy. 8, Suite 104
New Brighton, MN 55112-1891
Contact: Mr. Timothy P. O'Shea
Phone: 612-631-2487
Fax: 612-638-0285
E-Mail: toshea@tuvps.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Conducted Emissions:

12/A01 MIL-STD-462 Method CE01
12/A04 MIL-STD-462 Method CE02
12/A06 MIL-STD-462 Method CE03
12/A08 MIL-STD-462 Method CE04
12/A12 MIL-STD-462 Method CE07

Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01
12/B02 MIL-STD-462 Method CS02
12/B05 MIL-STD-462 Method CS06
12/B07 MIL-STD-462 Method CS09

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01
12/D02 MIL-STD-462 Method RE02

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01
12/E02 MIL-STD-462 Method RS02
12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E07 MIL-STD-462 Method RS06

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100271-1

TUV Product Service, Inc.

5541 Central Avenue
Boulder, CO 80301-2846
Contact: Lyle F. Luttrell
Phone: 303-449-4165
Fax: 303-449-3004
E-Mail: lluttrell@tuvps.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100272-0

Communication Certification Laboratory

1940 West Alexander Street
Salt Lake City, UT 84119-2039
Contact: Mr. William S. Hurst
Phone: 801-972-6146
Fax: 801-972-8432
E-Mail: wsh@cclab.com
URL: http://www.cclab.com/

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
AUSTEL Technical Standards as determined under the Telecommunications Act of 1991	
12/T41	TS-001
12/T42	TS-002
12/T43	TS-003
12/T44	TS-004
12/T45	TS-006
12/T46	TS-008
12/T49	TS-016
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
12/T01c	68.302 Environmental simulation (Par. a,b)

NVLAP LAB CODE 100273-0

MET Laboratories, Inc.

914 W. Patapsco Avenue
Baltimore, MD 21230-3432
Contact: Mr. Robert Frier
Phone: 410-354-3300
Fax: 410-354-3313
E-Mail: rfrier@metlabs.com
URL: http://www.metlabs.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
AUSTEL Technical Standards as determined under the Telecommunications Act of 1991	
12/T41	TS-001
12/T42	TS-002
12/T43	TS-003
12/T44	TS-004
12/T45	TS-006
12/T46	TS-008
12/T49	TS-016
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T50	AS/NZS 3260
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314

(See 'How To Use This Directory' on page 7.)

	Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
12/T01c	68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100274-0

Intertek Testing Services NA Inc.

731 Enterprise Drive
Lexington, KY 40510-1029
Contact: Mr. Clifford Eugene Jones,
Phone: 606-226-1060
Fax: 606-225-1050
E-Mail: Cliff@TestMark.com
URL: http://www.testmark.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41	TS-001
12/T42	TS-002
12/T43	TS-003
12/T44	TS-004
12/T45	TS-006
12/T46	TS-008
12/T49	TS-016

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T50	AS/NZS 3260
12/T51	AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
12/T01c	68.302 Environmental simulation (Par. a,b)

NVLAP LAB CODE 100275-0

Lucent Technologies, Global Product Compliance Lab

101 Crawfords Corner Road, M/S 11C-165
P.O. Box 3030
Holmdel, NJ 07733-3030
Contact: Mr. E. Gardner Burkhardt
Phone: 908-834-1801
Fax: 908-834-1807
E-Mail: egburkhardt@lucent.com
URL: http://www.gpcl.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41	TS-001
12/T42	TS-002
12/T44	TS-004
12/T45	TS-006
12/T46	TS-008

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51	AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100276-0

D.L.S. Electronic Systems, Inc.

1250 Peterson Drive
Wheeling, IL 60090-6454
Contact: Mr. Brian J. Mattson
Phone: 847-537-6400
Fax: 847-537-6488
E-Mail: bmattson@dlsemc.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51	AS-3548

Federal Communications Commission (FCC) Methods

12/F01	FCC Method - 47 CFR Part 15 - Digital

(See 'How To Use This Directory' on page 7.)

	Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100278-0

Elite Electronic Engineering Company

1516 Centre Circle
Downers Grove, IL 60515-1082
Contact: Mr. Raymond Klouda
Phone: 630-495-9770
Fax: 630-495-9785

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
12/T01c	68.302 Environmental simulation (Par. a,b)

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Conducted Emissions:	
12/A01	MIL-STD-462 Method CE01
12/A04	MIL-STD-462 Method CE02
12/A06	MIL-STD-462 Method CE03
12/A08	MIL-STD-462 Method CE04
12/A10	MIL-STD-462 Method CE06
12/A12	MIL-STD-462 Method CE07
Conducted Susceptibility:	
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B04	MIL-STD-462 Method CS03/CS04/CS05/CS08
12/B05	MIL-STD-462 Method CS06
12/B06	MIL-STD-462 Method CS07
12/B07	MIL-STD-462 Method CS09
12/B08	MIL-STD-462 Method CS10
12/B09	MIL-STD-462 Method CS11
12/B10	MIL-STD-462 Method CS12
12/B11	MIL-STD-462 Method CS13
Radiated Emissions:	
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
12/D03	MIL-STD-462 Method RE03
Radiated Susceptibility:	
12/E01	MIL-STD-462 Method RS01
12/E02	MIL-STD-462 Method RS02
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E05	MIL-STD-462 Method RS05
12/E07	MIL-STD-462 Method RS06

NVLAP LAB CODE 100280-0

R & B Enterprises

20 Clipper Road
West Conshohocken, PA 19428-2721
Contact: Mr. Robert Vohra
Phone: 610-825-1960
Fax: 610-825-1684
E-Mail: rvohra@RBitem.com
URL: www.RBitem.com

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Conducted Emissions:	
12/A01	MIL-STD-462 Method CE01
12/A06	MIL-STD-462 Method CE03
12/A10	MIL-STD-462 Method CE06
12/A12	MIL-STD-462 Method CE07
Conducted Susceptibility:	
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B05	MIL-STD-462 Method CS06
12/B06	MIL-STD-462 Method CS07
12/B07	MIL-STD-462 Method CS09
12/B08	MIL-STD-462 Method CS10
12/B09	MIL-STD-462 Method CS11
12/B10	MIL-STD-462 Method CS12
12/B11	MIL-STD-462 Method CS13
Radiated Emissions:	
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
Radiated Susceptibility:	
12/E01	MIL-STD-462 Method RS01
12/E02	MIL-STD-462 Method RS02
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths

(See 'How To Use This Directory' on page 7.)

available)
12/E05 MIL-STD-462 Method RS05

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

NVLAP LAB CODE 100286-0

Acoustic Systems Acoustical Research Facility
415 East St. Elmo Road
P.O. Box 3610
Austin, TX 78764
Contact: Mr. Michael C. Black
Phone: 512-444-1961
Fax: 512-444-2282
E-Mail: acoustic@inetport.com

Acoustical Testing Services
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423
08/P06	ASTM E90
08/P08	ASTM E596
08/P10	ANSI S12.31 (ISO 3741)
08/P24	ANSI S12.10 (ISO 7779)
08/P35	ASTM E1050

NVLAP LAB CODE 100288-0

Bentley Testing Laboratory
14641 E. Don Julian Road
P.O. Box 527
City of Industry, CA 91746-3106
Contact: Ms. Sandy Kolby
Phone: 818-333-4585 x2253
Fax: 818-333-4125

Carpet and Carpet Cushion
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Tests Applicable to Carpet and Carpet Cushion
03/T01	AATCC 16 (Option E)
03/T04	16 CFR Part 1630 (FF-1-70)
	Tests Applicable to Carpets
03/G04	AATCC 165
03/G05	ASTM D418 (Sec. 8)
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)
03/G08	ASTM D418 (Sec. 13)
03/G09	ASTM D1335
03/G10	ASTM D3936
03/G12	ASTM E648
03/G13	ASTM E662

NVLAP LAB CODE 100290-0

Akzo Kashima Ltd., Kashima EMC Site
1 Oaza Sunayama, Hasaki, Kashima-gun
Ibaraki 314-02
JAPAN
Contact: Mr. Shuichi Kobayashi
Phone: +81-479-40-1097
Fax: +81-479-46-1788

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100290-1

Akzo Kashima Ltd., Yokohama Test Center
2-30 Hatsunecho, Naka-ku
Yokohama 231
JAPAN
Contact: Hiroyuki Togashi
Phone: +81-45-251-8300
Fax: +81-45-251-8377

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation;

(See 'How To Use This Directory' on page 7.)

68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection

12/T01b 68.316 Hearing Aid Compatibility: technical standards

12/T01c 68.302 Environmental simulation (Par. a,b)

NVLAP LAB CODE 100290-2

Akzo Kashima Ltd. Kakegawa EMC Test Site

322 Shimotaruki, Kakegawa
Shizuoka 436-02
JAPAN
Contact: Seiji Matsuda
Phone: +81-837-24-8191
Fax: +81-537-24-8193

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100290-3

Akzo Kashima Ltd., Nagano EMC Test Site

3226 Yokokawa, Tatsuno, Kamina-gun
Nagano 399-05
JAPAN
Contact: Yoshio Kowase
Phone: +81-266-47-5311
Fax: +81-266-47-5540

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100290-4

Akzo Kashima Ltd., Matsuda EMC Test Site

1283 Yadorigi, Matsuda, Ashigarakami-gun
Kanagawa 258
JAPAN
Contact: Hideki Hayashi
Phone: +81-465-89-2316
Fax: +81-465-89-2160

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100290-5

Akzo Kashima Ltd., Tochigi EMC Test Site

870 Nakaawano, Awano, Kamitsuga-gun
Tochigi 322-03
JAPAN
Contact: Kazuharu Yanagisawa
Phone: +81-289-86-7121
Fax: +81-289-86-7126

(See 'How To Use This Directory' on page 7.)

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100296-0

Chomerics Test Services (CTS)

77 Dragon Court
Woburn, MA 01888-4014
Contact: Mr. David C. Inman
Phone: 617-935-4850
Fax: 617-935-2758
E-Mail: CHORTS@AOL.com

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100297-0

Professional Testing Laboratory, Inc.

714 Glenwood Place
Dalton, GA 30721
Contact: Mr. Greg Phillips
Phone: 706-226-3283
Fax: 706-226-6787

Carpet and Carpet Cushion

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Tests Applicable to Carpet Cushion

03/U01c ASTM D3574 (Sec. 8.2; Test A)/D3676 (Sec. 10-12)

03/U02 ASTM D297

03/U03 ASTM D629 (Sec. 10)

03/U04 ASTM D629 (Secs. 13-22)

03/U05 ASTM D629 (Secs. 23-27)

03/U06 ASTM D1667 (Suffix B)

03/U07 ASTM D3574 (Test C)

03/U08 ASTM D3574 (Test D)

03/U09 ASTM D3574 (Test E)

03/U10 ASTM D3676 (Sec.13)

03/U11 ASTM D3676 (Sec.14)

03/U12 ASTM D3676 (Sec.15)

03/U13 ASTM D3676 (Sec.16)

Tests Applicable to Carpet and Carpet Cushion

03/T01 AATCC 16 (Option E)

03/T02 ASTM D2646 (Secs. 16-24)

03/T04 16 CFR Part 1630 (FF-1-70)

Tests Applicable to Carpets

03/G01 AATCC 20

03/G02 AATCC 20A

03/G03 AATCC 134

03/G04 AATCC 165

03/G05 ASTM D418 (Sec. 8)

03/G06 ASTM D418 (Sec. 9)

03/G07 ASTM D418 (Secs. 10-11)

03/G08 ASTM D418 (Sec. 13)

03/G09 ASTM D1335

03/G10 ASTM D3936

03/G11 ASTM D5252

03/G12 ASTM E648

03/G13 ASTM E662

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100308-0

Special Testing Laboratories, Inc.
21 Henry Street
P.O. Box 200
Bethel, CT 06801-0200
Contact: Mr. Richard Speciale
Phone: 203-743-7281
Fax: 203-791-2451

Construction Materials Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A15	ASTM D75
02/A15	ASTM D75
02/A44	ASTM C566
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A41	ASTM C192
02/A43	ASTM C1064
02/A45	ASTM C42
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Road and Paving Materials	
02/M25	ASTM D2726
Soil and Rock	
02/L02	ASTM D422
02/L04	ASTM D698
02/L06	ASTM D1140
02/L07	ASTM D1556
02/L08	ASTM D1557
02/L09	ASTM D1558
02/L12	ASTM D2168
02/L13	ASTM D2216
02/L16	ASTM D2487
02/L17	ASTM D2488
02/L20	ASTM D4318
02/L23	ASTM D2922
02/L25	ASTM D3017
02/L31	ASTM D2167
Standard Practices	
02/A38	ASTM E329
02/A39	ASTM C1077

NVLAP LAB CODE 100313-0

Washington Metropolitan Area Transit Authority QLAS Laboratory
600 Fifth Street, N.W.
Washington, DC 20001
Contact: Mr. R. Louis Viner, Jr.
Phone: 202-832-2997
Fax: 202-832-2995
E-Mail: Lviner@wmata.com

Construction Materials Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A04	ASTM C40
02/A07	ASTM C117
02/A09	ASTM C127
02/A12	ASTM C136
02/A15	ASTM D75
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A40	ASTM C78
02/A43	ASTM C1064
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Soil and Rock	
02/L04	ASTM D698
02/L08	ASTM D1557
02/L12	ASTM D2168
02/L13	ASTM D2216
02/L20	ASTM D4318
02/L23	ASTM D2922
02/L25	ASTM D3017
Standard Practices	
02/A39	ASTM C1077

NVLAP LAB CODE 100315-0

Eastern Materials Testing Lab a division of Jaworski Geotech
One Hartford Square #19
New Britain, CT 06052
Contact: Mr. Kevin J. Brigandi
Phone: 860-224-3316
Fax: 860-229-9567
E-Mail: emtl@connix.com

Construction Materials Testing
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128

(See 'How To Use This Directory' on page 7.)

02/A12 ASTM C136

Cement

02/A17 ASTM C109
02/A30 ASTM C266

Concrete

02/A01 ASTM C39
02/A02 ASTM C617
02/A41 ASTM C192
02/A43 ASTM C1064
02/A45 ASTM C42
02/G01 ASTM C31/C172/C143/C138/C231
02/G02 ASTM C173

Soil and Rock

02/L02 ASTM D422
02/L04 ASTM D698
02/L06 ASTM D1140
02/L08 ASTM D1557
02/L12 ASTM D2168
02/L13 ASTM D2216
02/L16 ASTM D2487
02/L20 ASTM D4318
02/L23 ASTM D2922
02/L25 ASTM D3017
02/L31 ASTM D2167

Standard Practices

02/A39 ASTM C1077

NVLAP LAB CODE 100316-0

Independent Materials Testing Laboratories, Inc.

57 N. Washington Street
P.O. Box 745
Plainville, CT 06062-0745
Contact: Mr. David P. Aiudi
Phone: 203-525-7193
Fax: 203-747-6455

Construction Materials Testing

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Aggregates

02/A03 ASTM C29
02/A04 ASTM C40
02/A06 ASTM C88
02/A07 ASTM C117
02/A08 ASTM C123
02/A09 ASTM C127
02/A10 ASTM C128
02/A11 ASTM C131
02/A12 ASTM C136
02/A13 ASTM C142
02/A15 ASTM D75
02/A44 ASTM C566
02/A46 ASTM C535

Cement

02/A26 ASTM C191
02/A31 ASTM C305

Concrete

02/A01 ASTM C39
02/A02 ASTM C617
02/A40 ASTM C78
02/A41 ASTM C192
02/A43 ASTM C1064
02/A45 ASTM C42
02/G01 ASTM C31/C172/C143/C138/C231
02/G02 ASTM C173

Geotextiles

02/L28 ASTM D4354

Road and Paving Materials

02/M08 ASTM D979
02/M11 ASTM D1188
02/M19 ASTM D2172
02/M24 ASTM D2041
02/M25 ASTM D2726

Soil and Rock

02/L01 ASTM D4220
02/L02 ASTM D422
02/L04 ASTM D698
02/L05 ASTM D854
02/L06 ASTM D1140
02/L07 ASTM D1556
02/L08 ASTM D1557
02/L10 ASTM D1883
02/L11 ASTM D2166
02/L12 ASTM D2168
02/L13 ASTM D2216
02/L14 ASTM D2217
02/L16 ASTM D2487
02/L17 ASTM D2488
02/L18 ASTM D3080
02/L20 ASTM D4318
02/L23 ASTM D2922
02/L24 ASTM D2974
02/L25 ASTM D3017
02/L29 Corps of Engineers - Manual EM-1110-2-1906, Appendix VII, Permeability of Fine Grained Soils Using a Triaxial Apparatus
02/L31 ASTM D2167

Standard Practices

02/A38 ASTM E329
02/A39 ASTM C1077

Steel Materials

02/S07 ASTM E709
02/S08 ASTM E165

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100317-0

Fairfield Testing Laboratory, Inc.
652 Glenbrook Road, P.O. 2310
Stamford, CT 06906
Contact: Mr. James E. Quill
Phone: 203-372-1980
Fax: 203-372-1898

Construction Materials Testing
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A12	ASTM C136
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A43	ASTM C1064
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Soil and Rock	
02/L08	ASTM D1557
02/L23	ASTM D2922
02/L25	ASTM D3017

NVLAP LAB CODE 100319-0

PSI, Inc.
55 State Street
North Haven, CT 06473
Contact: Mr. Ted Swenson
Phone: 203-239-3353
Fax: 203-239-3453

Construction Materials Testing
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A44	ASTM C566
Concrete	
02/A01	ASTM C39
02/A43	ASTM C1064
02/G01	ASTM C31/C172/C143/C138/C231
Soil and Rock	
02/L04	ASTM D698
02/L05	ASTM D854
02/L06	ASTM D1140
02/L07	ASTM D1556
02/L08	ASTM D1557
02/L12	ASTM D2168
02/L23	ASTM D2922
02/L25	ASTM D3017
Standard Practices	
02/A38	ASTM E329
02/A39	ASTM C1077
02/L32	ASTM D3740

NVLAP LAB CODE 100320-0

Materials Testing, Inc.
200 Rowe Avenue
Milford, CT 06460
Contact: Mr. Frank A. Soucy
Phone: 203-878-2765
Fax: 208-878-1504

Construction Materials Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A08	ASTM C123
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
Cement	
02/A17	ASTM C109
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A43	ASTM C1064
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Soil and Rock	
02/L02	ASTM D422
02/L04	ASTM D698
02/L05	ASTM D854
02/L06	ASTM D1140
02/L08	ASTM D1557
02/L13	ASTM D2216
02/L23	ASTM D2922
02/L31	ASTM D2167

NVLAP LAB CODE 100322-0

Canadian Standards Association
178 Rexdale Boulevard
Etobicoke Ontario M9W 1R3
CANADA
Contact: Mr. Doug Geralde
Phone: 416-747-4295
Fax: 416-747-4287
E-Mail: geralded@csa.ca

(See 'How To Use This Directory' on page 7.)

Commercial Products Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Plumbing	
19/F01	ASME A112.18.1M (Sec. 5.2)
19/F02	ASME A112.18.1M (Sec. 5.14)
19/F03	ASME A112.18.1M (Sec. 6.2)
19/F04	ASME A112.18.1M (Sec. 6.4)
19/F05	ASME A112.18.1M (Sec. 6.5)
19/F06	ASME A112.18.1M (Sec. 6.6)
19/F07	ASME A112.18.1M (Sec. 6.7)
19/F08	ASME A112.18.1M (Sec. 6.8)
19/F09	ASME A112.18.1M (Sec. 5.13)
19/M02	ASME/ANSI A112.19.7M (Sec. 5, 7)
19/M03	ASME/ANSI A112.19.8M (Sec. 4, 5)
19/P01	ANSI Z124.1 (Sec. 4, 5, 6)
19/P02	ANSI Z124.2 (Sec. 4, 5, 6)
19/P03	ANSI Z124.3 (Sec. 4, 5, 6)
19/P04	ANSI Z124.4 (Sec. 4, 5)
19/P05	ANSI Z124.4 (Sec. 8) per ASME A112.19.6M (Sec. 7.1)
19/V01	ASME A112.19.2M (Sec. 7.1)
19/V02	ASME A112.19.2M (Sec. 7.2)
19/V03	ASME A112.19.2M (Sec. 7.3)
19/V04	ASME A112.19.2M (Sec. 7.4)
19/V05	ASME A112.19.2M (Sec. 7.5)
19/V06	ASME A112.19.2M (Sec. 7.7)
19/W01	ASME A112.19.6 (Sec. 7.1.2)
19/W02	ASME A112.19.6 (Sec. 7.1.3)
19/W03	ASME A112.19.6 (Sec. 7.1.4)
19/W04	ASME A112.19.6 (Sec. 7.1.5)
19/W05	ASME A112.19.6 (Sec. 7.1.6)
19/W06	ASME A112.19.6 (Sec. 7.1.7)
19/W07	ASME A112.19.6 (Sec. 7.1.8)
19/W08	ASME A112.19.6 (Sec. 7.1.9)

NVLAP LAB CODE 100323-0

IBM Hudson Valley Acoustics Laboratory
Building 704, M/S P226
522 South Road
Poughkeepsie, NY 12601-5400
Contact: Dr. Matthew A. Nobile
Phone: 914-432-9811
Fax: 914-432-9880
E-Mail: nobile@vnet.ibm.com

Acoustical Testing Services
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423
08/P10	ANSI S12.31 (ISO 3741)
08/P11	ISO 3744
08/P13	ANSI S12.32 (ISO 3742)
08/P21	ISO 3745
08/P24	ANSI S12.10 (ISO 7779)
08/P38	ANSI S12.11
08/P39	ANSI S12.5 (ISO 6926)

NVLAP LAB CODE 100325-0

City of San Jose, Materials Testing Laboratory
696 North 6th Street, Building 200
San Jose, CA 95112-3208
Contact: Mr. Alberto C. Oxonian
Phone: 408-277-4513
Fax: 408-275-8090

Construction Materials Testing
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75
02/A16	ASTM D2419
02/A44	ASTM C566
Cement	
02/A17	ASTM C109
02/A22	ASTM C183
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A40	ASTM C78
02/A41	ASTM C192
02/A42	ASTM C360
02/A43	ASTM C1064
02/A45	ASTM C42
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Road and Paving Materials	
02/M01	ASTM D5
02/M03	ASTM D140
02/M05	ASTM D244
02/M07	ASTM D546
02/M08	ASTM D979
02/M09	ASTM D1074
02/M11	ASTM D1188
02/M12	ASTM D1559
02/M13	ASTM D1560
02/M14	ASTM D1561
02/M15	ASTM D1856
02/M17	ASTM D2170
02/M18	ASTM D2171
02/M19	ASTM D2172
02/M20	ASTM D2872
02/M24	ASTM D2041
02/M25	ASTM D2726

(See 'How To Use This Directory' on page 7.)

Soil and Rock

02/L02	ASTM D422
02/L05	ASTM D854
02/L06	ASTM D1140
02/L08	ASTM D1557
02/L12	ASTM D2168
02/L13	ASTM D2216
02/L14	ASTM D2217
02/L16	ASTM D2487
02/L20	ASTM D4318
02/L23	ASTM D2922
02/L25	ASTM D3017
02/L47	ASTM D2844

Standard Practices

02/A38	ASTM E329
02/A39	ASTM C1077
02/L32	ASTM D3740
02/M26	ASTM D3666

NVLAP LAB CODE 100339-0

Data General Corporation

4400 Computer Drive
Westboro, MA 01580
Contact: Mr. Michael J. Dowling
Phone: 508-898-6008
Fax: 508-898-4730
E-Mail: Mike_Dowling@dgc.ceo.dg.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP

Code	*Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51	AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100340-0

Fairway Testing Company, Inc.

Smith Street
P.O. Box 578
Stony Point, NY 10980
Contact: Mr. Patsy J. Aguanno
Phone: 914-942-2088
Fax: 914-942-0995

Construction Materials Testing

Accreditation Valid Through: September 30, 1998

NVLAP

Code	*Designation*

Aggregates

02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A10	ASTM C128
02/A12	ASTM C136
02/A13	ASTM C142
02/A44	ASTM C566

Concrete

02/A01	ASTM C39
02/A02	ASTM C617
02/A40	ASTM C78
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173

Road and Paving Materials

02/M01	ASTM D5
02/M11	ASTM D1188
02/M12	ASTM D1559
02/M19	ASTM D2172
02/M24	ASTM D2041
02/M25	ASTM D2726

Soil and Rock

02/L02	ASTM D422
02/L04	ASTM D698
02/L08	ASTM D1557
02/L13	ASTM D2216
02/L16	ASTM D2487
02/L20	ASTM D4318
02/L21	ASTM D2434
02/L23	ASTM D2922
02/L25	ASTM D3017
02/L29	Corps of Engineers - Manual EM-1110-2-1906, Appendix VII, Permeability of Fine Grained Soils Using a Triaxial Apparatus

Standard Practices

02/A38	ASTM E329
02/A39	ASTM C1077
02/L32	ASTM D3740
02/M26	ASTM D3666

Steel Materials

02/S02	ASTM A370 (Sec. 14)/E190
02/S07	ASTM E709

(See 'How To Use This Directory' on page 7.)

02/S08 ASTM E165

NVLAP LAB CODE 100342-0

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306-1507
Contact: Mr. Bruce Weiner,
Phone: 650-323-9000
Fax: 650-323-0854
E-Mail: bruce@mindcraft.com
URL: http://www.mindcraft.com

POSIX
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
17/P03	National Institute of Standards and Technology-POSIX Conformance Test Suite (NIST-PCTS) for the Federal Info. Processing Std. 151-2 (FIPS 151-2) "Portable Operating System Interface (POSIX)-System Application Program Interface [C Language]"

NVLAP LAB CODE 100344-0

Perennial, Inc.
4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054-1827
Contact: Mr. Barry Hedquist,
Phone: 408-748-2900
Fax: 408-748-2909
E-Mail: beh@peren.com

POSIX
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
17/P03	National Institute of Standards and Technology-POSIX Conformance Test Suite (NIST-PCTS) for the Federal Info. Processing Std. 151-2 (FIPS 151-2) "Portable Operating System Interface (POSIX)-System Application Program Interface [C Language]"

NVLAP LAB CODE 100347-0

Acton Environmental Testing, dba National Technical Systems
1146 Massachusetts Avenue
Boxborough, MA 01719
Contact: Mr. Martin J. Metcalf
Phone: 508-266-1001
Fax: 508-266-1073

MIL-STD-462 Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
	Conducted Emissions:
12/A01	MIL-STD-462 Method CE01
12/A04	MIL-STD-462 Method CE02
12/A06	MIL-STD-462 Method CE03
12/A08	MIL-STD-462 Method CE04
12/A12	MIL-STD-462 Method CE07
	Conducted Susceptibility:
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B05	MIL-STD-462 Method CS06
12/B07	MIL-STD-462 Method CS09
	Radiated Emissions:
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
	Radiated Susceptibility:
12/E01	MIL-STD-462 Method RS01
12/E02	MIL-STD-462 Method RS02
12/E03	MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E07	MIL-STD-462 Method RS06

NVLAP LAB CODE 100350-0

Northern Telecom Product Integrity Labs.
21 Richardson Side Road
Kanata Ontario K2K 2C1
CANADA
Contact: Mr. Rick McDonald
Phone: 613-763-2475
Fax: 613-763-8091

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS-3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical

(See 'How To Use This Directory' on page 7.)

standards

12/T01c 68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100351-0

Certelecom Laboratories, Inc.

3325 River Road, R.R. No. 5
Ottawa Ontario K1V 1H2
CANADA
Contact: Mr. G. Rae Dulmage
Phone: 613-737-9680
Fax: 613-737-9691
E-Mail: certel@ottawa.net

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001
12/T42 TS-002
12/T43 TS-003
12/T44 TS-004
12/T45 TS-006
12/T46 TS-008
12/T49 TS-016

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b 68.316 Hearing Aid Compatibility: technical standards
12/T01c 68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100351-1

Certelecom Laboratories, Inc.

828 Proctor Avenue
Ogdensburg, NY 13669-2205
Contact: Ruth Varley
Phone: 315-393-6546
Fax: 315-393-7859

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001
12/T42 TS-002
12/T43 TS-003
12/T44 TS-004
12/T45 TS-006
12/T46 TS-008
12/T49 TS-016

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b 68.316 Hearing Aid Compatibility: technical standards
12/T01c 68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100352-0

Auditory Systems Laboratory, ISE Department, Virginia Tech

VA Polytechnic Institute and State Univ.
302 Whittemore Hall
Blacksburg, VA 24061-0118
Contact: Dr. John G. Casali
Phone: 540-231-9081
Fax: 540-231-3322
E-Mail: jcasali@vt.edu

Acoustical Testing Services

Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
08/P26	ANSI S3.19
08/P27	ANSI S12.6

NVLAP LAB CODE 100354-0

Control Data OSI Accredited Test Center

4201 Lexington Avenue North
Arden Hills, MN 55126-6198
Contact: Mr. Ronald D. Swan
Phone: 612-415-4659
Fax: 612-415-4813
E-Mail: Ronald.D.Swan@cdc.com

GOSIP

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
17/G03	ITU X.400-1984 MHS: P2/P1/RTS/(Session)
17/G21	ITU X.400-1988 MHS
17/G21a	ITU X.400-1988 MHS: P2/P1/RTSE/ACSE/Presentation (Session)
17/G23	ITU-T X.500-1988 DS: Directory Services-Directory Access Protocol

NVLAP LAB CODE 100357-0

National Computing Centre Ltd.

Oxford Road
Manchester, M17ED
UNITED KINGDOM
Contact: Mrs. A. E. J. Pink
Phone: +44 1 61 242-2257
Fax: +44 1 61 236-9877
E-Mail: jane@ncc.co.uk

GOSIP

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
17/G01	ISO/IEC 8571/8650/8823: FTAM/ACSE/Presentation (Session)
17/G03	ITU X.400-1984 MHS: P2/P1/RTS/(Session)
17/G05	ISO/IEC 8327: Session
17/G07	ISO/IEC 8073: Transport Class 4
17/G09	ISO/IEC 8073: Transport Class 2/Transport Class 0
17/G11	
17/G11a	ISO/IEC 8473: Connectionless Network Protocol (CLNP)
17/G11b	ISO/IEC 9542: End System-Intermediate System (ES-IS)
17/G19	ITU X.25: PLP/HDLC LAP B
17/G21	ITU X.400-1988 MHS
17/G21a	ITU X.400-1988 MHS: P2/P1/RTSE/ACSE/Presentation (Session)
17/G21b	ITU X.400-1988 MHS: P3
17/G21c	ITU X.400-1988 MHS: P3/ROSE
17/G21d	ITU X.400-1988 MHS: P7
17/G21e	ITU X.400-1988 MHS: P7/ROSE
17/G23	ITU-T X.500-1988 DS: Directory Services-Directory Access Protocol

NVLAP LAB CODE 100374-0

Aearo Company, E·A·RCAL Acoustical Laboratory

7911 Zionsville Road
Indianapolis, IN 46268-1657
Contact: Mr. Elliott H. Berger
Phone: 317-692-3031
Fax: 317-692-3116
E-Mail: eberger@compuserve.com

Acoustical Testing Services

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
08/P26	ANSI S3.19 (ANSI S3.19-1974)
08/P27	ANSI S12.6

NVLAP LAB CODE 100382-0

Eaton E3 Laboratory

26201 Northwestern Highway
P.O. Box 766
Southfield, MI 48037-0766
Contact: Mr. Kimball Williams
Phone: 810-354-2845
Fax: 810-208-2018
E-Mail: eatonemc@dtw.etr.com or k.williams@ieee.org

MIL-STD-462 Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Conducted Emissions:	
12/A01	MIL-STD-462 Method CE01
12/A04	MIL-STD-462 Method CE02
12/A06	MIL-STD-462 Method CE03
12/A08	MIL-STD-462 Method CE04
12/A12	MIL-STD-462 Method CE07
Conducted Susceptibility:	
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B05	MIL-STD-462 Method CS06

(See 'How To Use This Directory' on page 7.)

12/B07 MIL-STD-462 Method CS09

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01
12/D02 MIL-STD-462 Method RE02

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01
12/E02 MIL-STD-462 Method RS02
12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E07 MIL-STD-462 Method RS06

NVLAP LAB CODE 100396-0

Criterion Technology

1350 County Road #16
P.O. Box 387
Rollinsville, CO 80474
Contact: Mr. R. Barry Wallen
Phone: 303-682-6600
Fax: 303-682-6672
E-Mail: b.wallen@intellistor.com

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100398-0

GE Lighting- Engineering Support - NA

1975 Noble Road
Nela Park
Cleveland, OH 44112-6300
Contact: Mr. Arthur H. Lupfer
Phone: 216-266-2365
Fax: 216-266-2761
E-Mail: Arthur.Lupfer@lighting.ge.com

Energy Efficient Lighting Products

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Color Measurements

22/C01 IES LM-58

Electrical Measurements

22/E01 IES LM-9
22/E02 IES LM-45
22/E03 IES LM-51
22/E04 IES LM-66
22/E05 ANSI-C78.375

Life Tests

22/L01 IES LM-40
22/L03 IES LM-49
22/L04 IES LM-65

Photometric Measurements

22/P01a IES LM-9 (Total Flux)
22/P01b IES LM-9 (Intensity)
22/P02a IES LM-20 (Total Flux)
22/P02b IES LM-20 (Intensity)
22/P03a IES LM-45 (Total Flux)
22/P03b IES LM-45 (Intensity)
22/P04a IES LM-51 (Total Flux)
22/P05a IES LM-66 (Total Flux)
22/P05b IES LM-66 (Intensity)

NVLAP LAB CODE 100399-0

Philips Lighting Corporate Calibration & Standards Laboratory

Route 3, P.O. Box 505
Fairmont, WV 26554-9484
Contact: Mr. Ron Gibbons
Phone: 304-367-7608
Fax: 304-367-7602
E-Mail: jlt9022@ussmlt61.snads.philips.nl

Energy Efficient Lighting Products

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Color Measurements

22/C01 IES LM-58

Electrical Measurements

22/E01 IES LM-9
22/E02 IES LM-45
22/E03 IES LM-51
22/E04 IES LM-66
22/E05 ANSI-C78.375
22/E06 ANSI-C78.386
22/E07 ANSI-C78.387
22/E08 ANSI-C78.388

Photometric Measurements

22/P01a IES LM-9 (Total Flux)
22/P02a IES LM-20 (Total Flux)
22/P02b IES LM-20 (Intensity)
22/P03a IES LM-45 (Total Flux)
22/P03b IES LM-45 (Intensity)

(See 'How To Use This Directory' on page 7.)

22/P04a IES LM-51 (Total Flux)
22/P05a IES LM-66 (Total Flux)

NVLAP LAB CODE 100402-0

Intertek Testing Services NA Inc.

3933 U.S. Route 11
Cortland, NY 13045-0950
Contact: Mr. Craig Davenport
Phone: 607-758-6296
Fax: 607-756-9891
E-Mail: cdavenport@itsqs.com
URL: http://www.worldlab.com

Energy Efficient Lighting Products
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Color Measurements	
22/C01	IES LM-58
Electrical Measurements	
22/E01	IES LM-9
22/E02	IES LM-45
22/E03	IES LM-51
22/E04	IES LM-66
22/E05	ANSI-C78.375
22/E06	ANSI-C78.386
22/E07	ANSI-C78.387
22/E08	ANSI-C78.388
Life Tests	
22/L03	IES LM-49
Photometric Measurements	
22/P01a	IES LM-9 (Total Flux)
22/P02a	IES LM-20 (Total Flux)
22/P03a	IES LM-45 (Total Flux)
22/P03b	IES LM-45 (Intensity)
22/P04a	IES LM-51 (Total Flux)
22/P05a	IES LM-66 (Total Flux)
22/P05b	IES LM-66 (Intensity)

Thermal Insulation Materials
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Flammability	
01/F02	ASTM E84
Thermal Resistance	
01/T06	ASTM C518

NVLAP LAB CODE 100403-0

Osram Sylvania Inc., Test & Measurements Laboratory

71 Cherry Hill Dr.
Beverly, MA 01915
Contact: Dr. Ronald O. Daubach
Phone: 508-750-1593
Fax: 508-750-1794
E-Mail: daubach@osi.sylvania.com

Energy Efficient Lighting Products
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Color Measurements	
22/C01	IES LM-58
Electrical Measurements	
22/E01	IES LM-9
22/E02	IES LM-45
22/E03	IES LM-51
22/E04	IES LM-66
22/E05	ANSI-C78.375
22/E06	ANSI-C78.386
22/E07	ANSI-C78.387
22/E08	ANSI-C78.388
Life Tests	
22/L01	IES LM-40
22/L02	IES LM-47
22/L03	IES LM-49
22/L04	IES LM-65
Photometric Measurements	
22/P01a	IES LM-9 (Total Flux)
22/P01b	IES LM-9 (Intensity)
22/P02a	IES LM-20 (Total Flux)
22/P02b	IES LM-20 (Intensity)
22/P03a	IES LM-45 (Total Flux)
22/P03b	IES LM-45 (Intensity)
22/P04a	IES LM-51 (Total Flux)
22/P04b	IES LM-51 (Intensity)
22/P05a	IES LM-66 (Total Flux)
22/P05b	IES LM-66 (Intensity)

NVLAP LAB CODE 100404-0

Industrial Acoustics Company, Inc., Aero-Acoustics Laboratory

1160 Commerce Avenue
Bronx, NY 10462
Contact: Mr. David A. Collings
Phone: 718-931-8000
Fax: 718-863-1138
E-Mail: davidcollings@compuserve.com

Acoustical Testing Services
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
08/P02	ASTM C384
08/P03	ASTM C423

(See 'How To Use This Directory' on page 7.)

08/P04	ASTMC522
08/P06	ASTM E90
08/P08	ASTM E596
08/P30	ASTM E1408
08/P36	ASTM E477

NVLAP LAB CODE 100405-0

Motorola SSTG EMC/TEMPEST Laboratory

8201 E. McDowell Road
Scottsdale, AZ 85252
Contact: Mr. Dwayne R. Awerkamp
Phone: 602-441-3138
Fax: 602-441-3625
E-Mail: p09969@email.mot.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Conducted Emissions:	
12/A01	MIL-STD-462 Method CE01
12/A04	MIL-STD-462 Method CE02
12/A06	MIL-STD-462 Method CE03
12/A08	MIL-STD-462 Method CE04
12/A10	MIL-STD-462 Method CE06
12/A12	MIL-STD-462 Method CE07
Conducted Susceptibility:	
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B04	MIL-STD-462 Method CS03/CS04/CS05/CS08
12/B05	MIL-STD-462 Method CS06
12/B06	MIL-STD-462 Method CS07
12/B07	MIL-STD-462 Method CS09
12/B08	MIL-STD-462 Method CS10
12/B09	MIL-STD-462 Method CS11
12/B10	MIL-STD-462 Method CS12
12/B11	MIL-STD-462 Method CS13
Radiated Emissions:	
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
12/D03	MIL-STD-462 Method RE03
Radiated Susceptibility:	
12/E01	MIL-STD-462 Method RS01
12/E02	MIL-STD-462 Method RS02
12/E03	MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E05	MIL-STD-462 Method RS05
12/E07	MIL-STD-462 Method RS06

NVLAP LAB CODE 100406-0

Inland Foundation Engineering, Inc.

1310 South Santa Fe Avenue
P.O. Box 937
San Jacinto, CA 92581-0937
Contact: Mr. Donald O. Swenson
Phone: 909-654-1555
Fax: 909-654-0551

Construction Materials Testing

Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A15	ASTM D75
02/A16	ASTM D2419
02/A44	ASTM C566
02/A46	ASTM C535
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A41	ASTM C192
02/A43	ASTM C1064
02/A45	ASTM C42
02/G01	ASTM C31/C172/C143/C138/C231
Road and Paving Materials	
02/M08	ASTM D979
02/M11	ASTM D1188
02/M13	ASTM D1560
02/M14	ASTM D1561
02/M25	ASTM D2726
Soil and Rock	
02/L01	ASTM D4220
02/L02	ASTM D422
02/L04	ASTM D698
02/L05	ASTM D854
02/L06	ASTM D1140
02/L07	ASTM D1556
02/L08	ASTM D1557
02/L16	ASTM D2487
02/L18	ASTM D3080
02/L20	ASTM D4318
02/L21	ASTM D2434
02/L23	ASTM D2922
02/L25	ASTM D3017

(See 'How To Use This Directory' on page 7.)

02/L47 ASTM D2844

Standard Practices

02/A38 ASTM E329
02/A39 ASTM C1077
02/L32 ASTM D3740
02/M26 ASTM D3666

NVLAP LAB CODE 100408-0

NAWC AD 5.1.7.3. EMI Lab

48298 Shaw Road, Unit 4, Bldg. 1461
Patuxent River, MD 20670-1900
Contact: Mr. Kenneth A. Brezinski
Phone: 301-342-0848
Fax: 301-342-5390

MIL-STD-462 Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Conducted Emissions:

12/A01 MIL-STD-462 Method CE01
12/A04 MIL-STD-462 Method CE02
12/A06 MIL-STD-462 Method CE03
12/A08 MIL-STD-462 Method CE04

Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01
12/B02 MIL-STD-462 Method CS02
12/B05 MIL-STD-462 Method CS06

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01
12/D02 MIL-STD-462 Method RE02

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01
12/E02 MIL-STD-462 Method RS02
12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)

NVLAP LAB CODE 100409-0

Intertek Testing Services NA Inc.

4317-A Park Drive N.W.
Norcross, GA 30093-2968
Contact: Mr. David C. Dennis
Phone: 770-925-2444
Fax: 770-925-7294
E-Mail: ddennis@itsqs.com
URL: http://www.worldlab.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b 68.316 Hearing Aid Compatibility: technical standards
12/T01c 68.302 Environmental simulation (Par. a,b)

NVLAP LAB CODE 100411-0

Northern Telecom Inc.

2305 Mission College Boulevard
P.O. Box 58173
Santa Clara, CA 95052-8173
Contact: Mr. Kenneth Dorn
Phone: 408-565-2186
Fax: 408-565-2575
E-Mail: ken.dorn@nt.com

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001
12/T42 TS-002
12/T43 TS-003
12/T44 TS-004
12/T45 TS-006
12/T49 TS-016

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T50 AS-3260
12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection

(See 'How To Use This Directory' on page 7.)

12/T01b 68.316 Hearing Aid Compatibility: technical standards
12/T01c 68.302 Environmental simulation (Par. a,b)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100413-0

Digital Regulatory Engineering and Testing Services

200 Forest Street, Mail Stop MRO1-D
Marlboro, MA 01752-3085
Contact: Mr. Joseph B. Woodworth
Phone: 508-467-2845
Fax: 508-467-2846
E-Mail: woodworth@mail.dec.com

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100414-0

Underwriters Laboratories Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096
Contact: Mr. Rick A. Titus
Phone: 847-272-8800 x43281
Fax: 847-509-6219
E-Mail: titusr@ul.com
URL: http://www.ul.com

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Corrosiveness

01/C01 ASTM C739 (Sec. 9)
01/C02 16 CFR-Part 1209.5

Flammability

01/F02 ASTM E84
01/F07 16 CFR-Part 1209.6
01/F08 16 CFR-Part 1209.7
01/F09 ASTM C739 (Sec. 10)
01/F10 ASTM C739 (Sec. 14)

Mass, Density, and Dimensional Stability

01/D01 ASTM C136
01/D14 ASTM C520
01/D24 ASTM C739 (Sec. 12)
01/D26 16 CFR-Part 1209.4
01/D27 ASTM C739 (Sec. 8)

Related Material Properties

01/V05 ASTM C739 (Sec. 11)
01/V06 ASTM C739 (Sec. 15)

Thermal Resistance

01/T06 ASTM C518
01/T09 ASTM C653
01/T10 ASTM C687

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100416-0

SGS U.S. Testing Company, Inc.

1341 North 108th East Avenue
Tulsa, OK 74116-5637
Contact: Mr. Dale E. Holloway
Phone: 918-437-8333
Fax: 918-437-8487

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Corrosiveness

01/C01 ASTM C739 (Sec. 9)
01/C02 16 CFR-Part 1209.5

Flammability

01/F08 16 CFR-Part 1209.7

(See 'How To Use This Directory' on page 7.)

01/F10 ASTM C739 (Sec. 14)

Mass, Density, and Dimensional Stability

01/D02 ASTM C167
01/D09 ASTM C303
01/D18 ASTM D1622
01/D24 ASTM C739 (Sec. 12)
01/D26 16 CFR-Part 1209.4
01/D27 ASTM C739 (Sec. 8)

Related Material Properties

01/V04 ASTM E96
01/V05 ASTM C739 (Sec. 11)
01/V06 ASTM C739 (Sec. 15)
01/V07 ASTM C1104/C1104M

Strength

01/S02 ASTM C203

Commercial Products Testing

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Plumbing

19/F02 ASME A112.18.1M (Sec. 5.14)
19/F03 ASME A112.18.1M (Sec. 6.2)
19/F04 ASME A112.18.1M (Sec. 6.4)
19/F05 ASME A112.18.1M (Sec. 6.5)
19/F06 ASME A112.18.1M (Sec. 6.6)
19/F07 ASME A112.18.1M (Sec. 6.7)
19/F08 ASME A112.18.1M (Sec. 6.8)
19/F09 ASME A112.18.1M (Sec. 5.13)
19/F10 ASME A112.18.1M (Sec. 6.3)
19/M01 ANSI/CABO A117.1 (Sec. 4.24)
19/M02 ASME/ANSI A112.19.7M (Sec. 5, 7)
19/M03 ASME/ANSI A112.19.8M (Sec. 4, 5)
19/M04 ASTM F446
19/M05 ASTM F462
19/P01 ANSI Z124.1 (Sec. 4, 5, 6)
19/P02 ANSI Z124.2 (Sec. 4, 5, 6)
19/P03 ANSI Z124.3 (Sec. 4, 5, 6)
19/P04 ANSI Z124.4 (Sec. 4, 5)
19/P05 ANSI Z124.4 (Sec. 8) per ASME A112.19.6M (Sec. 7.1)
19/P06 ANSI/IAPMO Z124.6 (Sec. 4, 5, 6)
19/P07 ANSI/IAPMO Z124.8 (Sec. 4, 5)
19/V01 ASME A112.19.2M (Sec. 7.1)
19/V02 ASME A112.19.2M (Sec. 7.2)
19/V03 ASME A112.19.2M (Sec. 7.3)
19/V04 ASME A112.19.2M (Sec. 7.4)
19/V05 ASME A112.19.2M (Sec. 7.5)
19/V06 ASME A112.19.2M (Sec. 7.7)
19/W01 ASME A112.19.6 (Sec. 7.1.2)
19/W02 ASME A112.19.6 (Sec. 7.1.3)
19/W03 ASME A112.19.6 (Sec. 7.1.4)
19/W04 ASME A112.19.6 (Sec. 7.1.5)
19/W05 ASME A112.19.6 (Sec. 7.1.6)
19/W06 ASME A112.19.6 (Sec. 7.1.7)
19/W07 ASME A112.19.6 (Sec. 7.1.8)
19/W08 ASME A112.19.6 (Sec. 7.1.9)

NVLAP LAB CODE 100417-0

Celotex Technical Center

10301 Ninth Street North
St. Petersburg, FL 33716-1514
Contact: Dr. Stanley R. Prince
Phone: 813-578-4359
Fax: 813-578-4280

Thermal Insulation Materials

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Flammability

01/F02 ASTM E84

Mass, Density, and Dimensional Stability

01/D03 ASTM C209 (Sec. 6)
01/D04 ASTM C209 (Sec. 13)
01/D05 ASTM C209 (S. 13) by D1037 (S. 100-106)
01/D06 ASTM C209 (S. 14) by D1037 (S. 107-110)
01/D07 ASTM C272
01/D18 ASTM D1622
01/D19 ASTM D2126
01/D23 ASTM D2842

Related Material Properties

01/V04 ASTM E96

Strength

01/S01a ASTM C165 (Proc. A only)
01/S02 ASTM C203
01/S03 ASTM C209 (Sec. 9)
01/S04 ASTM C209 (Sec. 10)
01/S05 ASTM C209 (Sec. 11)
01/S06 ASTM C209 (Sec. 12)
01/S07 ASTM C273
01/S10 ASTM D828
01/S11 ASTM D1621 (Proc. A)

Thermal Resistance

01/T04 ASTM C236
01/T06 ASTM C518

Commercial Products Testing

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Paints and Related Coatings and Materials

09/A02 ASTM D93 (Method A)
09/A07 ASTM D523
09/A10 ASTM D1186
09/A16 ASTM D1400
09/A17 ASTM D1475
09/A22 ASTM D3363
09/B05 ASTM D4214
09/B24 ASTM D522
09/B29 ASTM D2486
09/B31 ASTM D2805
09/B37 ASTM D4060
09/B43 ASTM D3359
09/B44 ASTM D4828
09/C26a ASTM D2369

(See 'How To Use This Directory' on page 7.)

09/C28 ASTM D2697
09/C38 ASTM D3792
09/C39 ASTM D3960
09/C40 ASTM D4017
09/C41 ASTM D4457
09/D01 ASTM B117
09/D16 ASTM G53

Acoustical Testing Services
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
08/P02	ASTM C384
08/P03	ASTM C423 (ISO 354)
08/P04	ASTMC522
08/P06	ASTM E90 (ISO 140, Part 3)
08/P07	ASTM E492
08/P30	ASTM E1408
08/P34	ASTM E1414 (AMA-1-II-67)(ISO 140, Part 9)

NVLAP LAB CODE 100418-0

Composite Panel Association (CPA)

18928 Premiere Court
Gaithersburg, MD 20879-1569
Contact: Mr. Gary Heroux
Phone: 301-670-0604
Fax: 301-840-1252

Wood Based Products
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	General Wood Products
23/G02	ASTM D1037 (Part A, Sec. 11-20)
23/G03	ASTM D1037 (Part A, Sec. 28-33)
	Particleboard and Medium-Density Fiberboard
23/P02	ASTM D1037 (Part A, Sec. 61-67)
23/P03	ASTM D1037 (Part A, Sec. 68-73)
23/P05	ASTM D1037 (Part A, Sec. 100-106)
23/P06	ASTM D1037 (Part A, Sec. 107-110)
23/P08	ASTM D1037 (Part A, Sec. 126-127)
23/P09	ANSI/A208.1 (Sec. 3.4.4)
23/T01	ASTM E1333
23/T03	EN 120:92
23/T04	ASTM D5582
23/T05	ASTM D6007

NVLAP LAB CODE 100419-0

Test Site Services, Inc.

P.O. Box 766
Marlboro, MA 01752
Contact: Mr. Richard L. Wiedeman
Phone: 508-481-1684
Fax: 508-481-1684

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100420-0

Timberco, Inc.- dba TECO

86305 College View Road
Eugene, OR 97405-9631
Contact: Mr. Darin Thompson
Phone: 541-746-8271
Fax: 541-747-1630
E-Mail: tecotested@worldnet.att.net

Wood Based Products
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	General Wood Products
23/G01	ASTM D906
23/G02	ASTM D1037 (Part A, Sec. 11-20)
23/G03	ASTM D1037 (Part A, Sec. 28-33)
23/G04	ASTM D2395 (Method A)
23/G05	ASTM D2718
23/G07	ASTM D3043 (Method C)
23/G08	ASTM D4442 (Method A)
23/G09	ASTM D4442 (Method B)
23/G10	ASTM E72
23/G11	ASTM E72 (Wet)
23/G12	ASTM E564
	Hardwood Plywood
23/H01	HP-1 (Sec. 4.3)
23/H02	HP-1 (Sec. 4.4)
23/H03	HP-1 (Sec. 4.6)
23/H04	ASTM E96
	Particleboard and Medium-Density Fiberboard
23/P01	ASTM D1037 (Part A, Sec. 21-27)
23/P02	ASTM D1037 (Part A, Sec. 61-67)
23/P03	ASTM D1037 (Part A, Sec. 68-73)
23/P05	ASTM D1037 (Part A, Sec. 100-106)
23/P06	ASTM D1037 (Part A, Sec. 107-110)
23/P07	ASTM D1037 (Part A, Sec. 118-124)
23/P08	ASTM D1037 (Part A, Sec. 126-127)

(See 'How To Use This Directory' on page 7.)

23/P09 ANSI/A208.1 (Sec. 3.4.4)
23/T01 ASTM E1333
23/T02 FTM 1-83
23/T04 ASTM D5582

Structural Composite Lumber, Glulam, I-Joists, Laminated Veneer Lumber

23/J01 ASTM D143 (Sec. 47-54)
23/J02 ASTM D143 (Sec. 90-94)
23/J04 ASTM D198 (Sec. 4-11)
23/J06 ASTM D905
23/J07 ASTM D1037 (Part A, Sec. 87-90)
23/J08 ASTM D1101
23/J09 ASTM D1761 (Sec. 1-11)
23/J10 ASTM D2559 (Resistance to Shear)
23/J11 ASTM D2559 (Resistance to Delamination)
23/J12 ASTM D4688
23/J13 AITC 200 (T106)
23/J14 AITC 200 (T107)
23/J15 AITC 200 (T110)
23/J16 AITC 200 (T114)
23/J17 AITC 200 (T116)
23/J20 ASTM D3110

Structural Use Panels

23/S04 ASTM E661
23/S05 PS-1 (Sec. 4.5.2)
23/S06 PS-1 (Sec. 4.5.3) (CAN/CSA-0325.1-88)
23/S07 PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)
23/S08 PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)
23/S09 PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)
23/S10 PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)
23/S11 PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)
23/S12 PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)
23/S13 PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)
23/S14 PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)
23/S15 PS-2 (Sec. 6.4.19) (Supplement No.1-92 to CAN/CSA-0325.1-88)
23/S16 PS-2 (Sec. 6.4.20) (Supplement No.1-92 to CAN/CSA-0325.1-88)

NVLAP LAB CODE 100421-0

PFS Corporation

2402 Daniels Street
Madison, WI 53718
Contact: Mr. James P. VanSchoyck
Phone: 608-221-3361
Fax: 608-223-5560
E-Mail: pfsteco@pfs-teco.com
URL: http://www.pfs-teco.com

Wood Based Products

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

General Wood Products

23/G01 ASTM D906
23/G02 ASTM D1037 (Part A, Sec. 11-20)
23/G03 ASTM D1037 (Part A, Sec. 28-33)
23/G04 ASTM D2395 (Method A)
23/G05 ASTM D2718
23/G06 ASTM D2719 (Method C)
23/G08 ASTM D4442 (Method A)
23/G09 ASTM D4442 (Method B)
23/G10 ASTM E72
23/G11 ASTM E72 (Wet)
23/G12 ASTM E564
23/G13 ASTM E695
23/G14 AFG-01-84 (Sec. 3.1)
23/G15 AFG-01-84 (Sec. 3.2)
23/G16 ASTM E489
23/G17 ASTM E767

Hardwood Plywood

23/H01 HP-1 (Sec. 4.3)
23/H02 HP-1 (Sec. 4.4)
23/H03 HP-1 (Sec. 4.6)
23/H04 ASTM E96

Particleboard and Medium-Density Fiberboard

23/P01 ASTM D1037 (Part A, Sec. 21-27)
23/P02 ASTM D1037 (Part A, Sec. 61-67)
23/P03 ASTM D1037 (Part A, Sec. 68-73)
23/P04 ASTM D1037 (Part A, Sec. 81-86)
23/P05 ASTM D1037 (Part A, Sec. 100-106)
23/P06 ASTM D1037 (Part A, Sec. 107-110)
23/P07 ASTM D1037 (Part A, Sec. 118-124)
23/P08 ASTM D1037 (Part A, Sec. 126-127)
23/P09 ANSI/A208.1 (Sec. 3.4.4)
23/T01 ASTM E1333
23/T02 FTM 1-83
23/T04 ASTM D5582

Sandwich Constructions

23/X01 ASTM C273
23/X02 ATSM C297
23/X03 ASTM C365 (Method A)
23/X04 ASTM C393
23/X05 ASTM C480
23/X06 ASTM C481
23/X07 ASTM D1183

Structural Composite Lumber, Glulam, I-Joists, Laminated Veneer Lumber

23/J01 ASTM D143 (Sec. 47-54)
23/J02 ASTM D143 (Sec. 90-94)
23/J03 ASTM D143 (Sec. 100-104)
23/J04 ASTM D198 (Sec. 4-11)
23/J06 ASTM D905
23/J07 ASTM D1037 (Part A, Sec. 87-90)
23/J08 ASTM D1101
23/J09 ASTM D1761 (Sec. 1-11)
23/J10 ASTM D2559 (Resistance to Shear)
23/J11 ASTM D2559 (Resistance to Delamination)
23/J12 ASTM D4688
23/J13 AITC 200 (T106)
23/J14 AITC 200 (T107)
23/J15 AITC 200 (T110)
23/J16 AITC 200 (T114)
23/J17 AITC 200 (T116)
23/J20 ASTM D3110

Structural Use Panels

23/S01 ASTM D3044
23/S03 ASTM D3501 (Method B)
23/S04 ASTM E661
23/S05 PS-1 (Sec. 4.5.2)
23/S06 PS-1 (Sec. 4.5.3) (CAN/CSA-0325.1-88)

(See 'How To Use This Directory' on page 7.)

23/S07	PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)
23/S08	PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)
23/S09	PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)
23/S10	PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)
23/S11	PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)
23/S12	PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)
23/S13	PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)
23/S14	PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)
23/S15	PS-2 (Sec. 6.4.19) (Supplement No.1-92 to CAN/CSA-0325.1-88)
23/S16	PS-2 (Sec. 6.4.20) (Supplement No.1-92 to CAN/CSA-0325.1-88)

NVLAP LAB CODE 100422-0

PRIMES (Preflight Integration of Munitions & Electronic Systems)

46 TW/TSWW
401 W. Choctawhatchee Ave, Suite 265
Eglin Air Force Base, FL 32542-5724
Contact: Mr. Charles Steadman
Phone: 850-882-9354 x509
Fax: 850-882-9357
E-Mail: steadman@eglin.af.mil@pmdf@umgm

MIL-STD-462 Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Conducted Emissions:
12/A01	MIL-STD-462 Method CE01
12/A04	MIL-STD-462 Method CE02
12/A06	MIL-STD-462 Method CE03
12/A08	MIL-STD-462 Method CE04
12/A10	MIL-STD-462 Method CE06
12/A12	MIL-STD-462 Method CE07
	Conducted Susceptibility:
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B04	MIL-STD-462 Method CS03/CS04/CS05/CS08
12/B05	MIL-STD-462 Method CS06
12/B06	MIL-STD-462 Method CS07
12/B07	MIL-STD-462 Method CS09
12/B08	MIL-STD-462 Method CS10
12/B09	MIL-STD-462 Method CS11
12/B10	MIL-STD-462 Method CS12
12/B11	MIL-STD-462 Method CS13
	Radiated Emissions:
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
12/D03	MIL-STD-462 Method RE03
	Radiated Susceptibility:
12/E01	MIL-STD-462 Method RS01
12/E02	MIL-STD-462 Method RS02
12/E03	MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E05	MIL-STD-462 Method RS05
12/E07	MIL-STD-462 Method RS06

NVLAP LAB CODE 100423-0

APA - The Engineered Wood Association Research Center

7011 South 19th Street
P.O. Box 11700
Tacoma, WA 98411-0700
Contaet: Mr. Michael R. O'Halloran, Ph.D.
Phone: 253-565-6600
Fax: 253-565-7265
E-Mail: mikc.ohalloran@apawood.org
URL: http://www.apawood.org

Wood Based Products

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	General Wood Products
23/G05	ASTM D2718
23/G06	ASTM D2719 (Method C)
23/G07	ASTM D3043 (Method C)
23/G10	ASTM E72
23/G11	ASTM E72 (Wet)
	Structural Composite Lumber, Glulam, I-Joists, Laminated Veneer Lumber
23/J04	ASTM D198 (Sec. 4-11)
23/J05	ASTM D198 (Sec. 28-35)
23/J09	ASTM D1761 (Sec. 1-11)
23/J10	ASTM D2559 (Resistance to Shear)
23/J11	ASTM D2559 (Resistance to Delamination)
23/J12	ASTM D4688
	Structural Use Panels
23/S01	ASTM D3044
23/S02	ASTM D3500 (Method B)
23/S03	ASTM D3501 (Method B)
23/S04	ASTM E661
23/S07	PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)
23/S08	PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)
23/S09	PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)
23/S10	PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)
23/S11	PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)
23/S12	PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)
23/S13	PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)
23/S14	PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)
23/S15	PS-2 (Sec. 6.4.19) (Supplement No.1-92 to CAN/CSA-0325.1-88)
23/S16	PS-2 (Sec. 6.4.20) (Supplement No.1-92 to CAN/CSA-0325.1-88)

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100424-0

Vibro-Acoustics Laboratory

727 Tapscott Road
Scarborough Ontario M1X 1A2
CANADA
Contact: Mr. Robert Gault
Phone: 416-291-7371
Fax: 416-291-8049
E-Mail: bqault@vibro-acoustics.com

Acoustical Testing Services

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
08/P36	ASTM E477

NVLAP LAB CODE 100425-0

Johns Manville Technical Center

10100 West Ute Avenue
P.O. Box 625005
Littleton, CO 80162-5005
Contact: Mr. Mark A. Albers
Phone: 303-978-5008
Fax: 303-978-3123
E-Mail: albersm@jm.com
URL: http://www.schuller.com/mtc/appliedtech.html

Acoustical Testing Services

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423
08/P04	ASTMC522
08/P06	ASTM E90
08/P10	ANSI S12.31 (ISO 3741)
08/P13	ANSI S12.32 (ISO 3742)
08/P24	ANSI S12.10 (ISO 7779)
08/P35	ASTM E1050
08/P36	ASTM E477

Thermal Insulation Materials

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Flammability	
01/F01	TAPPI T461-OM
01/F02	ASTM E84
01/F05	ASTM E136
Mass, Density, and Dimensional Stability	
01/D02	ASTM C167
01/D03	ASTM C209 (Sec. 6)
01/D04	ASTM C209 (Sec. 13)
01/D05	ASTM C209 (S. 13) by D1037 (S. 100-106)
01/D08	ASTM C302
01/D09	ASTM C303
01/D11	ASTM C356
01/D12	ASTM C411
01/D13	ASTM C519
Related Material Properties	
01/V04	ASTM E96
01/V07	ASTM C1104/C1104M
Strength	
01/S01a	ASTM C165 (Proc. A only)
01/S02	ASTM C203
01/S03	ASTM C209 (Sec. 9)
01/S04	ASTM C209 (Sec. 10)
01/S05	ASTM C209 (Sec. 11)
01/S06	ASTM C209 (Sec. 12)
01/S08	ASTM C446
01/S10	ASTM D828
Thermal Resistance	
01/T01	ASTM C177
01/T05	ASTM C335
01/T06	ASTM C518
01/T10	ASTM C687
01/T11	ASTM C976

NVLAP LAB CODE 100426-0

International Compliance Corporation

802 N. Kealy
Lewisville, TX 75057-3136
Contact: Mr. Kurt B. Fischer
Phone: 972-436-9600
Fax: 972-436-2667
E-Mail: kfischer@icomply.com
URL: http://www.icomply.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100427-0

Michael & Associates

246 Woodland Drive
State College, PA 16803
Contact: Mr. Kevin Michael
Phone: 814-234-7042
Fax: 814-235-1381
E-Mail: Michael1@vicon.net
URL: http://www.michael1@vicon.net

Acoustical Testing Services

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
08/P26	ANSI S3.19 (ANSI S3.19-1974)
08/P27	ANSI S12.6

NVLAP LAB CODE 100428-0

Matsushita EMC Center

Yunitopia Sasayama, Yashiro
Sasayama-cho
Taki-gun, Hyogo 669-23
JAPAN
Contact: Mr. Katsuo Ishihara
Phone: 81-795-52-5681
Fax: 81-795-52-5682
E-Mail: PAN02796@pas.mei.co.jp

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100429-0

Queen Carpet Test Laboratory

2305 Lakeland Road, P.O. Box 1527
Dalton, GA 30722-1527
Contact: Mr. Brian Medlin
Phone: 706-277-1900
Fax: 706-277-5497

Carpet and Carpet Cushion

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Tests Applicable to Carpet and Carpet Cushion
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T04	16 CFR Part 1630 (FF-1-70)
	Tests Applicable to Carpets
03/G04	AATCC 165
03/G05	ASTM D418 (Sec. 8)
03/G06	ASTM D418 (Sec. 9)
03/G07	ASTM D418 (Secs. 10-11)
03/G08	ASTM D418 (Sec. 13)
03/G09	ASTM D1335
03/G10	ASTM D3936
03/G12	ASTM E648
03/G13	ASTM E662

NVLAP LAB CODE 100430-0

Professional Service Industries, Inc., Pittsburgh Test. Lab. Div.

545 Conger Street
Eugene, OR 97402
Contact: Mr. Randy T. Webb
Phone: 541-484-9212
Fax: 541-344-2735

Wood Based Products

Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
	General Wood Products
23/G02	ASTM D1037 (Part A, Sec. 11-20)
23/G03	ASTM D1037 (Part A, Sec. 28-33)
23/G07	ASTM D3043 (Method C)
23/G08	ASTM D4442 (Method A)
23/G10	ASTM E72
23/G11	ASTM E72 (Wet)
	Particleboard and Medium-Density Fiberboard
23/P05	ASTM D1037 (Part A, Sec. 100-106)
23/P06	ASTM D1037 (Part A, Sec. 107-110)
23/T01	ASTM E1333
23/T02	FTM 1-83
	Structural Use Panels
23/S04	ASTM E661
23/S05	PS-1 (Sec. 4.5.2)
23/S06	PS-1 (Sec. 4.5.3) (CAN/CSA-0325.1-88)

(See 'How To Use This Directory' on page 7.)

23/S07	PS-2 (Sec. 6.4.1) (CAN/CSA-0325.1-88)
23/S08	PS-2 (Sec. 6.4.2) (CAN/CSA-0325.1-88)
23/S09	PS-2 (Sec. 6.4.4) (CAN/CSA-0325.1-88)
23/S10	PS-2 (Sec. 6.4.7) (CAN/CSA-0325.1-88)
23/S11	PS-2 (Sec. 6.4.8) (CAN/CSA-0325.1-88)
23/S12	PS-2 (Sec. 6.4.9) (CAN/CSA-0325.1-88)
23/S13	PS-2 (Sec. 6.4.17) (CAN/CSA-0325.1-88)
23/S14	PS-2 (Sec. 6.4.18) (CAN/CSA-0325.1-88)
23/S15	PS-2 (Sec. 6.4.19) (Supplement No.1-92 to CAN/CSA-0325.1-88)
23/S16	PS-2 (Sec. 6.4.20) (Supplement No.1-92 to CAN/CSA-0325.1-88)

NVLAP LAB CODE 100431-0

PCTEST Engineering Laboratory, Inc.

6660-B Dobbin Road
Columbia, MD 21045-4708
Contact: Mr. Randy Ortanez
Phone: 410-290-6652
Fax: 410-290-6654
E-Mail: randy@pctestlab.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 100432-0

InfoGard Laboratories

669 Pacific Street, Suite F
San Luis Obispo, CA 93401
Contact: Mr. Les Biggs
Phone: 805-783-0810
Fax: 805-783-0889
E-Mail: 73141.2610@compuserve.com
URL: http://www.infogard.com

Cryptographic Modules Testing

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
17/C01	NIST-CSTT:140-1; National Institute of Standards and Technology-Cryptographic Support Test Tool (CSTT) for the Federal Information Processing Standard 140-1 (FIPS 140-1) "Security Requirements for Cryptographic Modules."
17/C01a	Test Method Group 1: All test methods derived from FIPS 140-1 and specified in the CSTT, except those listed in Group 2 and Group 3.
17/C01b	Test Method Group 2: Test methods for Physical Security, Level 4 derived from FIPS 140-1 and specified in the CSTT
17/C01c	Test Method Group 3: Test methods for Software Security, Level 4 derived from FIPS 140-1 and specified in the CSTT

NVLAP LAB CODE 100501-0

Baltimore Gas & Electric Company

1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702
Contact: Mr. Danny R. Adams
Phone: 410-495-2216
Fax: 410-495-2263

Ionizing Radiation Dosimetry

Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802 in a Panasonic UD874A holder for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100502-0

Union Electric Company, Callaway Plant

P.O. Box 620
Fulton, MO 65251-0620
Contact: Mr. Michael S. Evans
Phone: 573-676-8258
Fax: 573-676-4476
E-Mail: msevans@cal.ameren.com

Ionizing Radiation Dosimetry

Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

(See 'How To Use This Directory' on page 7.)

Panasonic TLD model UD-802-AS in a Panasonic UD-874A holder for ANSI HPS N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100503-0

Mallinckrodt Group, Inc.
2703 Wagner Place
Maryland Heights, MO 63043
Contact: Mr. Roger Moroney
Phone: 314-654-7457
Fax: 314-654-7998
E-Mail: wrmoroe@mkg.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Harshaw automatic reader model 6600E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Harshaw TLD model 8825 for ANSI-N13.11 catergories II, IIIB, IV, VC, VI, VII.

NVLAP LAB CODE 100504-0

Naval Dosimetry Center
National Naval Medical Center
Bethesda, MD 20889-5614
Contact: CAPT K. Mendenhall
Phone: 301-295-0142/5410
Fax: 301-295-5981
E-Mail: KMendenhall@prodigy.net

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Harshaw automatic reader model 8800 and a model 6600.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 and ANSI HPS N13.32-1995 through testing.

DT 648/PD (Harshaw 4 Chip Card, 3 TLD700, 1 TLD600) in a Type 88 holder for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VI, VII, VIII.

Harshaw extremity TLD XD-100 in a finger ring holder for ANSI HPS N13.32 (NIST Handbook 150-4, Table 2) categories I, II, IIIB, IV, V.

NVLAP LAB CODE 100505-0

Duke Power Company Dosimetry Laboratory
526 South Church Street
P.O. Box 1006
Charlotte, NC 28201-1006
Contact: Mr. Donald N. Mei
Phone: 704-382-7547
Fax: 704-382-4477
E-Mail: dnm3340@dukepower.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Model 8800.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Harshaw TLD card Type 8801 in a model 8814 BGN holder for ANSI-N13.11 categories I, II, IIIA, IV, VB, VI, VII, VIII.

NVLAP LAB CODE 100506-0

Southern California Edison
San Onofre Nuclear Generating Station
5000 Pacific Coast Highway, P.O. Box 128
San Clemente, CA 92674-0128
Contact: Mr. James Rolph
Phone: 714-368-7050
Fax: 714-368-6049
E-Mail: rolphjt@songs.sce.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802-AS2 in an ISA model 821 holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII.

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100510-0

GPU Nuclear Corp. Nuclear Services Division
Three Mile Island, Route 441 South
P.O. Box 480
Middletown, PA 17057-0480
Contact: Mr. J. M. Harworth
Phone: 717-948-8337
Fax: 717-948-8549
E-Mail: jharworth@gpu.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD-710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS2 in an ISA model 830 hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII.

Panasonic TLD model UD802-AS2N in an ISA model 830 hanger with Cd over elements 1 and 2, Pb filtration oven element 4 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 100512-0

Radiation Detection Company
162 N. Wolfe Road
P.O. Box 3414
Sunnyvale, CA 94088-3414
Contact: Mr. Richard H. Holden
Phone: 408-735-8700
Fax: 408-735-0126
E-Mail: BAL4FLF@aol.com
URL: http://www.RadiationDetection.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) Teledyne 7300 and 310 reader; (2) Harshaw 3000A and 3500 reader; (3) Victoreen 2800 reader; (4) by manual film processing and reading on a Macbeth TD932 densitometer; (5) Tracketch; or (6) NE Autoscan 60 system and Ziess microscope.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

DESIGNATION	PROCESS	ANSI-N13.11 CATEGORIES
Hi Energy TLD-100 powder	1*	II, IV
Lo Energy TLD-100 powder & chips	1*	I, IIIA, VI
TLD Albedo	2 or 3,4	VIII
Film XBG	4	I, II, IIIA, IIIB, IV, VA, VI, VII
Film XBGN	4,5	VIII
Neutron Tracketch CR-39	5	VIII
Neutron Tracketch PN-3	6	VIII
Beta/gamma Albedo TLD	2,3	II, IV, VA, VII
TLD-Beta/gamma-100 powder & chips	1,2 or 3	I, IIIA, IIIB, VA, VB, VI, VII

* Processes listed above, 2 and 3, are considered functionally acceptable as substitutes which can be used in lieu of process 1 as listed above.

Extremity Finger Ring Type 05 Harshaw TLD-100 dosimeter for ANSI HPS N13.32-1995 and NIST Handbook 150-4, table 2 categories II, IVA, IVB, VA through testing.

NVLAP LAB CODE 100514-0

Ginna Nuclear Station
1503 Lake Road
Ontario, NY 14519-9742
Contact: Mr. Andrew J. Harhay
Phone: 716-771-3219
Fax: 716-771-3905
E-Mail: Andy Harhay@dgmail.rge.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802-AS in an ISA Model 821 hanger for ANSI-N13.11 categories I, II, IIIB, IV, VA, VI, VII.

Panasonic TLD model UD812A-5 in a Panasonic

(See 'How To Use This Directory' on page 7.)

UD874A-T hanger for ANSI-N13.11 categories IV, V, VII.

Combination Panasonic TLD model UD812A-5 and UD809-AS in a Panasonic UD884A-T holder with cd shields for ANSI-N13.11 category VIII.

NVLAP LAB CODE 100515-0

Thermo NUtech
5635 Jefferson Street, N.E.
Albuquerque, NM 87109
Contact: Mr. James D. DeZetter
Phone: 505-345-9931
Fax: 505-761-5410
E-Mail: nutech@flash.net

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Eberline manual reader TLR-6 and the Harshaw automatic readers model 8800 and 6600.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Eberline TLD-100 (2 or 3 TLD chips) for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VI, VII, VIII.

Eberline Albedo TLD-100 for ANSI-N13.11 category VIII.

Eberline TLD-100 extremity dosimeter in an elastic ring holder for ANSI HPS N13.32 and NIST Handbook 150-4, table 2 categories I, II, IIIA, IIIB, IV.

Harshaw TLD-8814 for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VC, VI, VII.

Harshaw TLD-8806 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 100516-0

Tennessee Valley Authority External Dosimetry Service
Sequoyah Access Road, P.O. Box 2000
Soddy-Daisy, TN 37379-2000
Contact: Mr. Mark A. Palmer
Phone: 423-843-8857
Fax: 423-843-7133
E-Mail: MAPALMER@TVA.GOV

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS in a Panasonic UD874A-T holder for ANSI HPS N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100517-0

Carolina Power & Light Company, Harris Energy & Enviro. Center
3932 New Hill-Holleman Road
P.O. Box 327
New Hill, NC 27562-0327
Contact: Mr. A. G. Cheatham
Phone: 919-362-3215
Fax: 919-362-3354
E-Mail: gooch.cheatham@cplc.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the TLD radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802 in a Panasonic closed type UD-874 ATM1 holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

Merlin Gerin DMC-100 Electronic Personal Dosimeter (EPD) with LDM-101 reader for ANSI N13.11 category IV.

NVLAP LAB CODE 100518-0

Landauer, Inc.
2 Science Road
Glenwood, IL 60425-1586
Contact: Dr. R. Craig Yoder
Phone: 708-755-7000
Fax: 708-755-7011
E-Mail: cyoder@landauerinc.com
URL: http://www.landauerinc.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) Landauer (Kanars Data) automatic film reader; (2) Harshaw 2000 B/D Laser reader; (3) CR-39 manual optical readers; (4) manual densitometers X-Rite, Tech/Ops Model 301, Macbeth Model TD504, TD931,

(See 'How To Use This Directory' on page 7.)

TD904; (5) ALNOR Dosacus reader; or (6) Landauer Custom Automated and Manual Delayed Optically Stimulated Luminescence (DOSL) Luxel reader.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Landauer designation:

DOSIMETER	PROCESS	ANSI N13.11 CATEGORY	
		Based On Testing	Based On Tech. Equiv.
FILM			
G - Film "GARDRAY"(A)	1,4	I-VII	
R - G badge plus ER(G)	1,2,3,4	VIII	I-VII
R - G badge plus ALNOR ER(M)	1,3,4,5	VIII	I-VII
B - G badge plus CR 39(L)	1,3,4	VIII	I-VII
C - G badge plus CR-39 and Cadmium	1,3,4		I-VIII
J - G badge plus polycarbonate and Cadmium	1,3,4		I-VIII
Y - G badge plus Cadmium	1,3,4		I-VII
Q - DEX-RAY	1,3,4		I-VII
TLD			
K - ALNOR (TLD 100 chips)(K)(H)	5	I-VII	
W - modified - 2 chip Escort with x-ray filtration (J)	2	I, II	
Z - K badge (TLD 700 chips) plus Neutron Track Etch CR39(T)(I)	3,5	VIII	I-VII
F - L badge plus CR-39	1,3		I-VIII
F - L badge plus ER	1,2,3		I-VIII
L - 4 chip Alnor TLD	5		I-VII
M - K badge (TLD 700 chips)	5		I-VII
S - K badge (TLD 700 chips) plus ER	3,5		I-VIII
Z - K badge (TLD 700 chips) plus polycarbonate	3,5		I-VIII
DOSL			
H-Luxel type H	6	I-VII	VIII

The following sites are included to perform limited volume, emergency response processing employing either a Harshaw 3000 manual reader or manual film processing techniques for the following badges:

DOSIMETER	ANSI N13.11 CATEGORY
G - Film "GARDRAY"	I through VII
L - TLD 4 chip "ALNOR"	I through VII
K - TLD 3 chip "ALNOR"	1 through VII

Landauer, Inc. Company Offices: El Segundo, California; Houston, Texas; and East Brunswick, New Jersey.

This facility has been accredited to process the extremity dosimeters listed below, by virtue of actual demonstration of compliance with ANSI-N13.32-1995 and NIST Handbook 150-4, Pg. 14, Table 2, through employing the following readers/process: (1) Landauer Custom Automated, (2) Kanars Data Custom Automated (film), (3) Alnor Dosacus Automatic Reader, (4) Harshaw 2000B/D, 3000, 4000 manual, (5) Macbeth TD504, TD904, TD931 manual, and (6) Landauer Custom Luxel reader.

DOSIMETER	PROCESS	ANSI N13.11 CATEGORY	
		Based On Testing	Based On Tech. Equiv.
TLD			
U - Ring (B) (Finger)	1,4	I, II, IIIA, IV, VA, VB, VD, VI, VII	
K - Modified K (H) (Wrist)	3,4	IIIA and VI	I, II, IV, VA, VB, VD, VII
FILM			
G - Gardray (A) (Wrist)	2,5	IIIA and VI	I, II, IV, VA, VB, VD, VII

(See 'How To Use This Directory' on page 7.)

DOSL

H-Luxel type H (Wrist)	6	IIIA and VI	I, II, IV, VA, VB, VD, VII

NVLAP LAB CODE 100519-0

South Texas Project Dosimetry Laboratory
P.O. Box 289
Wadsworth, TX 77483
Contact: Mr. Robert V. Logan
Phone: 512-972-7566
Fax: 512-972-7757

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD Model UD802-AT in an ISA Model 830 holder for ANSI-N13.11 categories II, IIIA, IV, VC, VI, VII.

A Panasonic TLD Model UD802-AT in an ISA Model 810 holder for ANSI-N13.11 category VIII.

NVLAP LAB CODE 100520-0

North Anna Power Station
End of Route 700 North
P.O. Box 402
Mineral, VA 23117
Contact: Ms. Nora A. Nicholson
Phone: 540-894-2071
Fax: 540-894-2408
E-Mail: Nora_Nicholson@VaPower.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD-716AGC.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD-802AT2 in a UD-879A-TM holder for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 100521-0

Duquesne Light Company, Beaver Valley Power Station
Mail Drop BV-ERF
P.O. Box 4
Shippingport, PA 15077-0004
Contact: Mr. John T. Lebda
Phone: 412-393-5872
Fax: 412-393-5621

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD812-AS2 for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VB, VC, VI, VII.

The dosimeter is housed in a custom made plastic clam shell type holder with filtering of 4mg/cm² mylar over elements 1 & 2, 140 mg/cm² plastic over element 3, and 840 mg/cm² plastic over element 4.

Rados RAD-51R Electronic Dosimeter for ANSI N13.11 categories IIIB and IV.

NVLAP LAB CODE 100524-0

Duke Engineering and Services Environmental Laboratory
580 Main Street
Bolton, MA 01740-1398
Contact: Mr. Edward H. Maher
Phone: 508-568-2522
Fax: 508-568-2520
E-Mail: maher@yankee.com
URL: http://www.yankee.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model 710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

(See 'How To Use This Directory' on page 7.)

Panasonic TLD model 808 in a ISA model 830U holder for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VB, VC, VI, VII.

Panasonic TLD model 814-AS4 for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VA, VB, VC, VI, VII.

Panasonic TLD models UD808/UD814 combined for category VIII.

NVLAP LAB CODE 100528-0

TU Electric-Comanche Peak Steam Electric Station

5 mi. NW Glen Rose off FM 56
P.O. Box 1002
Glen Rose, TX 76043
Contact: Mr. John R. Curtis
Phone: 817-897-5332
Fax: 817-897-0657
E-Mail: jcurtis@tuelectric.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AT in an ISA 810 holder with Mylar-window for ANSI-N13.11 categories III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 100529-0

Detroit Edison, Fermi 2 Dosimetry Laboratory

6400 North Dixie Highway, 100 AIB
Newport, MI 48166
Contact: Mr. Ronald Gillmore
Phone: 313-586-1388
Fax: 313-586-1041
E-Mail: gillmoreer@detroitedison.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802-AS in an ISA-820 holder for ANSI-N13.11 categories I, II, IIIA, IV, VB, VI, VII, VIII.

NVLAP LAB CODE 100533-0

Teledyne Brown Engineering Environmental Services

50 Van Buren Avenue, P.O. Box 1235
Westwood, NJ 07675-1235
Contact: Dr. Ival Toepke
Phone: 201-664-7070
Fax: 201-664-5586
E-Mail: Ival.Toepke@POBox.TBE.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing the Teledyne automatic reader model 9150, system 300 TLD reader for the 300 series and the manual reader model 7300 for the EC-1.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Teledyne TLD model PB5 for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

Teledyne TLD model PB5N ANSI-N13.11 category VIII.

Teledyne TLD P-300AS for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

Teledyne TLD P-300DS for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

NVLAP LAB CODE 100535-0

Entergy Operations, Inc.

Waterford 3, Hwy. 18, River Road
Taft, LA 70066
Contact: Mr. Ronald C. McLendon
Phone: 504-464-3199
Fax: 504-739-3151

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance

(See 'How To Use This Directory' on page 7.)

with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS in a Panasonic 874A holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

NVLAP LAB CODE 100536-0

Arizona Public Service Co., Palo Verde Nuclear Generating Station

5801 S. Wintersburg Road, Station 6107
Tonopah, AZ 85354-7529
Contact: Mr. Michael W. Lantz
Phone: 602-393-5200
Fax: 602-393-5003
E-Mail: mlantz@apsc.com
URL: http://www.apsc.com/dosim.htm

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD812-AS5 in an ISA holder with an open window over element 1 for ANSI-N13.11 categories I, II, IIIB, IV, VA, VI, VII.

Panasonic TLD combination UD809/UD812-AS in a Panasonic UD885A-T holder for ANSI-N13.11 category VIII.

Merlin Gerlin DMC-100 Electronic Personnel Dosimeter for ANSI-N13.11 categories IIIB, IV, VI.

NVLAP LAB CODE 100537-0

Pacific Gas & Electric Company, Diablo Canyon Nuclear Power Plant

P.O. Box 56
Avila Beach, CA 93424
Contact: Mr. Mark O. Somerville
Phone: 805-545-4007
Fax: 805-545-6645
E-Mail: mos2@pge.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS in a Panasonic UD875AT holder for ANSI-N13.11 categories II, IIIA, IV, VC, VI, VII, VIII.

Combination Panasonic TLD model UD813-AS8 in a Panasonic UD886AT holder for ANSI-N13.11 category VIII.

NVLAP LAB CODE 100538-0

Con Edison, Indian Point

Broadway and Bleakley Avenue
Buchanan, NY 10511-1099
Contact: Mr. Richard J. Martucci
Phone: 914-271-7118
Fax: 914-734-5734

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AT in an 874 AT holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100539-0

U.S. Army Radiation Standards & Dosimetry Laboratory

Attn: AMSAM-TMD-SR-D, Bldg. 5417
Redstone Arsenal, AL 35898-5000
Contact: Mr. Patrick Kuykendall
Phone: 205-876-3340
Fax: 205-955-6413
E-Mail: pkuyken@redstone.army.mil

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Model 710 reader.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic Model UD802AS as in a Panasonic UD-874A-T

(See 'How To Use This Directory' on page 7.)

holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VB, VC, VI, VII, VIII.

NVLAP LAB CODE 100540-0

Northeast Utilities Dosimetry Laboratory
3333 Berlin Turnpike
Newington, CT 06111
Contact: Mr. Charles R. Palmer
Phone: 860-447-1791
Fax: 860-444-5640

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw model 8800 TLD workstation.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Harshaw TLD card model 8801N (3 TLD 700, 1 TLD 600 chips) in a Harshaw Model 8810 holder for ANSI-N13.11 categories I, II, IIIB, IV, VB, VI, VII, and VIII.

NVLAP LAB CODE 100541-0

Com Ed - TLD Processing Lab - CTEAM Facility
555 South Joliet Road
Bolingbrook, IL 60440
Contact: Mr. William F. Carl
Phone: 630-663-3848
Fax: 630-663-3855
E-Mail: TSNWC@ccmail.ceco.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility listed has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

Panasonic TLD model UD802AS in a UD874-T hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100544-0

Florida Power & Light Company
700 Universe Blvd.
P.O. Box 14000
Juno Beach, FL 33408-0420
Contact: Mr. Joseph Danek
Phone: 561-694-4213
Fax: 561-694-3706
E-Mail: joe_danek@email.fpl.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD716.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1993 through testing.

Panasonic TLD model UD802-AT or AS in a ISA 820 holder for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

Merlin Gerin electronic dosimeter model DMC-100 for ANSI-N13.11 categories IV and VI.

NVLAP LAB CODE 100548-0

USAF Armstrong Laboratory/OEBD
2402 E. Drive
Brooks AFB, TX 78235-5114
Contact: Dr. David B. Erwin
Phone: 210-536-2003
Fax: 210-536-2025
E-Mail: David.Erwin@Guardian.Brooks.AF.MIL

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD716AGL.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802AT in model 820-C hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

Panasonic TLD model UD802AT in ISA model 822 neutron hanger for ANSI-N13.11 categories IV, VIII.

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100551-0

Georgia Power Company/Enviro. Affairs, Enviro. Lab-Dosimetry

5131 Maner Road
Smyrna, GA 30080-7321
Contact: Mr. Michael C. Nichols
Phone: 404-799-2112
Fax: 404-799-2141
E-Mail: MIKE.C.NICHOLS@GPC.COM

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing Panasonic automatic readers model UD-710A and UD-717.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 and ANSI HPS N13.32 through testing.

Panasonic TLD model UD802-AS in a Panasonic 854A or UD-874ATM1 (closed) hanger for ANSI HPS N13.11 categories II, IIIB, IV, VC, VI, VII, VIII.

Panasonic extremity TLD model UD-817 in an elastic ring holder for ANSI HPS N13.32-1995 (NIST Handbook 150-4, table 2) categories II, IV and VII.

NVLAP LAB CODE 100554-0

Pennsylvania Power and Light Company

Two North Ninth Street
Allentown, PA 18101-1179
Contact: Mr. Stephen L. Ingram
Phone: 610-774-7892
Fax: 610-774-7205
E-Mail: slingram@papl.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AS in a Panasonic UD874-AT1 or UD874-ATM1 hanger for ANSI-N13.11 categories I, II, IIIB, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100555-0

ICN Dosimetry Service, Div. of ICN Biomedicals, Inc.

3300 Hyland Ave., ICN Plaza
Costa Mesa, CA 92626
Contact: Ms. Sandra Nemecek
Phone: 714-545-0100 x2297
Fax: 714-668-3149
E-Mail: smnemecek@icnpharm.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing the TLD automatic readers, Panasonic model UD710A, SLD STI model 8800 and Harshaw model 6600 and the TLD manual readers, Panasonic model UD702 and Harshaw model 3500. The MacBeth TD932 densitometer, and a custom automatic developer and densitometer for film processing.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model ICN UD-802 with a model UD-854 or UD-874 hanger for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

ICN model T2 (Kodak type II film) for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

ICN Film Badge (Kodak Type 3) for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII.

ICN Film Badge (Kodak Type 3 with CR39) for ANSI-N13.11 category VIII.

Panasonic TLD model UD-802 with CR39 in a model UD-874 hanger for ANSI-N13.11 category VIII.

ICN model T2 (Kodak type II film with CR39) for ANSI-N13.11 category VIII.

ICN Remtrack (Harshaw) TLD model 100 enclosed in a laminated polyethylene material holder for ANSI N13.11 category II and IV.

HLD-100 for ANSI-N13.11 categories I, II, IIIA, IV, V, VA, VI, VII.

HLD-760 for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

(See 'How To Use This Directory' on page 7.)

HLD-760 plus CR39 for ANSI-N13.11 category VIII based on equivalence

This facility has been accredited to process the extremity dosimeters listed below by virtue of actual demonstration of compliance with ANSI-N13.32-1995 and NIST Handbook 150-4, Page 14, Table 2 categories.

HLD-100 (Wrist), based on technical equivalence, for categories I, II IIIA, IIIB, IV, VA, VI, VII.

HLD-760 (Wrist), based on technical equivalence, for categories I, II, IIIA, IIIB, IV, VA, VI, VII.

HLD-100 (Ring), based on testing, for categories I, II, IIIA, IV, VA, VB, and VD.

HLD-100 1C (Ring), based on technical equivalence, for categories I, II, IIIA, IV, VA, VB, VD.

NVLAP LAB CODE 100556-0

Atomic Energy Industrial Laboratory of the Southwest, Inc.
9261 Kirby Drive
Houston, TX 77054-2514
Contact: Mr. Steven H. Allen
Phone: 713-790-9719
Fax: 713-790-0542
E-Mail: SHAatAEIL@aol.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing film processing using a computerized custom densitometer.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Film Badge B-4 (Kodak Type 2) for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII.

Film Badge N-5 (Kodak Type 2 and A) for ANSI-N13.11 category VIII.

NVLAP LAB CODE 100559-0

Troxler Radiation Monitoring Svc. a div. of Troxler Elect. Labs
3008 Cornwallis Road
P.O. Box 12057
Research Triangle Park, NC 27709
Contact: Mr. Stephen A. Browne
Phone: 919-549-8661
Fax: 919-549-0761

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802 with model UD854 hanger for ANSI-N13.11 category I, II, IIIA, IV, VC, VI, VII, VIIIA.

NVLAP LAB CODE 100560-0

Electric Boat Corp/A General Dynamics Co. Radiological Ctrl. Dept
75 Eastern Point Road
Groton, CT 06340-4909
Contact: Mr. Robert D. Renza
Phone: 860-433-3674
Fax: 860-433-0946

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw manual reader model 4000.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

A Harshaw TLD model 4040, CaF2 Bulb Dosimeter for ANSI HPS N13.11 Category IV.

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100561-0

Newport News Shipbuilding Radiological Control Department

4101 Washington Avenue
Newport News, VA 23607-2770
Contact: Mr. C. T. Hill
Phone: 757-380-2369
Fax: 757-380-3778

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw automatic reader model 8800.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Harshaw TLD model 2276-L, BG (2 TLD 700, 1 TLD 600) in a Type 80 Harshaw/Filtrol cardholder for ANSI HPS N13.11 category IV.

NVLAP LAB CODE 100562-0

Radiation Laboratory, Taiwan Power Company

P.O. Box 7
Shihmen, Taipei 25302
TAIWAN
Contact: Mr. W. W. Yeh
Phone: +886-2-638-1397
Fax: +886-2-638-2446

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD802AS in a UD-874A holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

NVLAP LAB CODE 100563-0

Combustion Engineering, Inc.

2000 Day Hill Road, Dept. 9459-0202
P.O. Box 500
Windsor, CT 06095-0500
Contact: Mr. Stephen M. Sorensen
Phone: 203-285-5285
Fax: 203-285-2540

Ionizing Radiation Dosimetry
Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Panasonic TLD model UD802-AS2 in a Panasonic UD874-AT holder for ANSI-N13.11 categories II, IV, VC, VII.

NVLAP LAB CODE 100565-0

Naval Nuclear Propulsion Program Directorate, Washington, D.C.

Puget Sound Naval Shipyard, Rad. Hlth
Division, Code 105.5, 1400 Farragut Ave
Bremerton, WA 98314-5000
Contact: Mr. R. K. Alspach
Phone: 360-476-3596
Fax: 360-476-4383

Ionizing Radiation Dosimetry
Accreditation Valid Through: March 31, 1998

The facility listed has been evaluated as a representative site and deemed competent to process the radiation dosimeter listed below through employing a Radiac Computer-Indicator Model No. CP-1112/PD TLD reader.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing:

CaF2 Bulb Dosimeter (DT-526/PD) for ANSI-N13.11 categories II, IV.

The accreditation is also extended to include processing performed by other facilities in the Naval Nuclear Propulsion Program which use identical equipment and procedures as listed above.

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 100567-0

Health Physics Northwest
11535 S.W. 67th
Tigard, OR 97223-8504
Contact: Mr. Ross L. Mercer
Phone: 503-620-6617
Fax: 503-684-5548
E-Mail: Ross@HPNW.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic automatic reader model UD716 and the Harshaw 4400C for extremity processing.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-HPS N13.11-1993 through testing.

Panasonic TLD model UD802-AT2 in a ISA 831U holder for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII and VIII.

This facility is accredited to process the Harshaw extremity TLD model 100 in a HPNW design ring holder for HPS ANSI-N13.32 (NIST Handbook 150-4, table 2) categories II, IIIA, IV, VA, VI, VII.

NVLAP LAB CODE 100570-0

Clinton Power Station
6 mi. East of Clinton, Route 54 East
P.O. Box 678
Clinton, IL 61727-0678
Contact: Ms. Mary J. Lewis
Phone: 217-935-8881 x3718
Fax: 217-935-4934
E-Mail: mary_lewis@illinova.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Model UD716AGL automatic reader.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Panasonic TLD model UD-802-AT in a ISA model 820 holder for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 100571-0

United States Dosimetry Technology, Inc.
660-A George Washington Way
Richland, WA 99352-4246
Contact: Mr. M. K. Winegardner
Phone: 509-946-8738
Fax: 509-943-2710
E-Mail: mk_wine@compuserve.com
URL: http://www.usdt.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: December 31, 1998

This facility has been evaluated and deemed competent to process TLD dosimeters. The TLD dosimeters are processed using a USDT Card Reader.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

USDT TLD F (TLD-700 and 600) for ANSI-N13.11 categories I, II, IIIA, IV, VA, VI, VII, VIII.

USDT T-3 film for ANSI-13.11 categories I, II, IIIA, IV, VA, VI, VII.

NVLAP LAB CODE 100573-0

Proxtronics, Inc.
5795-B Burke Centre Parkway
P.O. Box 12150
Burke, VA 22015
Contact: Mr. W. Guy Davis
Phone: 703-425-4811
Fax: 703-503-2856
E-Mail: sales@Proxtronics.com

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing film processing using a Victoreen 07-440 densitometer and TLD processing using a Panasonic UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Film Badge (Kodak Type II) for ANSI N13.11 categories III & IV.

Panasonic TLD model UD802-AS2 in an ISA 831 hanger for ANSI N13.11 categories I, II, IIIA, IV, VA, VB, VC, VI, VII, VIII.

(See 'How To Use This Directory' on page 7.)

Panasonic TLD model UD802-AS2 in a Panasonic 854 hanger for ANSI N13.11 categories IIIA, IV.

NVLAP LAB CODE 100574-0

Portsmouth Gaseous Diffusion Plant
Mail Stop 5022, P.O. Box 628
Piketon, OH 45661-0628
Contact: Mr. James F. Thompson
Phone: 614-897-5246
Fax: 614-897-2125

Ionizing Radiation Dosimetry
Accreditation Valid Through: June 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Harshaw/Bicron automatic reader model 8800.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS-N13.11-1993 through testing.

Harshaw TLD model 8805 for ANSI-N13.11 categories I, II, IIIA, IV, VC, VI, VII, VIII.

NVLAP LAB CODE 101004-0

Labcorp Analytics Laboratory
8040 Villa Park Drive
Richmond, VA 23228
Contact: Mr. James A. Calpin
Phone: 804-264-7100
Fax: 804-264-8873

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101005-0

American Environmental Network (Massachusetts)
149 Rangeway Road
N. Billerica, MA 01862-2097
Contact: Mr. Ernest T. Dobi
Phone: 508-667-1400
Fax: 508-667-7871

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101006-0

Advanced Industrial Hygiene Services, Inc.
2131 S.W. 2 Ave.
Miami, FL 33129-1411
Contact: Mr. Bruce Marchette
Phone: 305-854-7554
Fax: 305-285-0677

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101012-0

Dixon Information Inc.
78 West 2400 South
South Salt Lake, UT 84115-3013
Contact: Mr. Willard C. Dixon
Phone: 801-486-0800
Fax: 801-486-0849

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101014-0

Aires Consulting Group, Inc.
1550 Hubbard
Batavia, IL 60510
Contact: Ms. Cynthia Darling
Phone: 630-879-3006
Fax: 630-879-3014
E-Mail: AIRES@compuserve.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101019-0

Electro-Analytical, Inc.
7118 Industrial Park Blvd.
Mentor, OH 44060-5314
Contact: Mr. James D. Hale
Phone: 216-951-3514
Fax: 216-951-3774

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101031-0

Fiberquant, Inc.
5025 S. 33rd St.
Phoenix, AZ 85040
Contact: Mr. Larry S. Pierce
Phone: 602-276-6139
Fax: 602-276-4558
E-Mail: FIBERQUANT@ABILNET.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101032-0

Batta Laboratories, Inc.
Delaware Industrial Park
6 Garfield Way
Newark, DE 19713-5817
Contact: Mr. Naresh C. Batta
Phone: 302-737-3376
Fax: 302-737-5764
E-Mail: battaenv@battaenv.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101034-0

Environmental Health Laboratory
100 Sebethe Drive, Suite A-5
Cromwell, CT 06416
Contact: Mr. Jim Kenny
Phone: 860-635-6475
Fax: 860-635-6750

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101035-0

Microbac Laboratories, Inc.
Erie Testing Division
1962 Wager Road
Erie, PA 16509
Contact: Mr. Michael McElhinny
Phone: 814-825-8533
Fax: 814-825-9254

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101037-0

Microscopic Analysis, Inc.
941 Gardenview Office Parkway
St. Louis, MO 63141-5917
Contact: Mr. Douglas N. Nimmo
Phone: 314-993-2212
Fax: 314-993-3193

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101039-0

Carnow, Conibear & Associates Ltd.
333 W. Wacker Drive, Suite 1400
Chicago, IL 60606-1226
Contact: Mr. Aleksey Torosin
Phone: 312-782-4486
Fax: 312-782-5145

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

(See 'How To Use This Directory' on page 7.)

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101045-0

Hub Testing Laboratory, Inc.
95 Beaver Street
Waltham, MA 02154
Contact: Mr. Frederick T. Boyle
Phone: 800-878-8938
Fax: 617-893-4414
E-Mail: ftboyle@ultranet.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101048-0

EMSL Analytical, Inc.
108 Haddon Avenue
Westmont, NJ 08108-2799
Contact: Mr. John Newton
Phone: 609-858-4800
Fax: 609-858-0648

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101048-1

EMSL Analytical, Inc.
1600 Roswell Street, SE, Suite #1
Smyrna, GA 30080
Contact: Richard White
Phone: 770-333-6066
Fax: 770-333-6003

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101048-2

EMSL Analytical, Inc.
1056 Stelton Rd.
Piscataway, NJ 08854
Contact: Yu Wang
Phone: 908-981-0550
Fax: 908-981-0551

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101048-3

EMSL Analytical, Inc.
1720 South Amphlett Blvd., Suite 130
San Mateo, CA 94402
Contact: Joe Centifonti
Phone: 415-570-5401
Fax: 415-570-5402

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101048-4

EMSL Analytical, Inc.
212 S. Wagner Road
Ann Arbor, MI 48103
Contact: Hildegard Hohnke
Phone: 313-668-6810
Fax: 313-668-8532

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101048-9

EMSL Analytical, Inc.
350 Fifth Avenue, 15th Floor, Suite 1524
New York, NY 10118
Contact: John Grach
Phone: 212-290-0051
Fax: 212-290-0058

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101048-10

EMSL Analytical, Inc.
208 Stone Henge Road
Carle Place, NY 11514
Contact: Brian Riedener
Phone: 516-997-7251
Fax: 516-997-7528

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101051-0

Accredited Environmental Technologies, Inc.
28 North Pennell Road
Media, PA 19063
Contact: Mr. Carl Josephson
Phone: 610-891-0114
Fax: 610-891-0559

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101058-0

Waste Management Federal Services of Hanford, Inc.
Waste Sampling & Characterization Fac.
P.O. Box 700 MSIN: S3-30
Richland, WA 99352
Contact: Ms. Maureen K. Hamilton
Phone: 509-373-7167
Fax: 509-373-7133
E-Mail: maureen k hamilton@rl.gov

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101060-0

DLZ Laboratories, Inc.
6121 Huntley Road
Columbus, OH 43229-1003
Contact: Mr. Michael R. Pannell
Phone: 614-848-4333
Fax: 614-841-0818
E-Mail: dlzlabs@iwaynet.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101061-0

ChemScope, Inc.
15 Moulthrop Street
North Haven, CT 06473-3686
Contact: Mr. Ronald D. Arena
Phone: 203-865-5605
Fax: 203-498-1610

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101062-0

A T Labs
250 DeBartolo Pl., Suite 2525
Youngstown, OH 44512
Contact: Mr. Edward B. Engel
Phone: 800-365-3396
Fax: 330-758-1245

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101064-0

ECS/Wagner Environmental
1259 Willamette Street
Eugene, OR 97401-3578
Contact: Ms. Lisa Thomas
Phone: 541-343-0300
Fax: 541-343-0375

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101066-0

Law Engineering and Environmental Services, Inc.
2100 Riverchase Center, Suite 450
Birmingham, AL 35244
Contact: Mr. James C. Findlay
Phone: 205-733-7672
Fax: 205-985-2951

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101070-0

PSI, Inc.
25 Dubon Court
Farmingdale, NY 11735
Contact: Dr. Antonio Lanzirotti
Phone: 516-752-1226
Fax: 516-752-1508

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101072-0

Bodycote Industrial Testing Ltd.
2350 South 7th Street
St. Louis, MO 63104-4296
Contact: Mr. William J. Lowry
Phone: 314-771-7111
Fax: 314-771-9573

Fasteners & Metals
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
	Chemical Analysis
	Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/547	ASTM E350
	Energy dispersive X-ray analysis
FA/500	ASTM E1508
	Optical emission spectrochemical analysis
FA/457	ASTM E415
	Solution chemical analysis
FA/448	ASTM E350
	Mechanical and Physical Testing and Inspection
	Adhesion of metallic coatings on fasteners
FA/143	ASTM B571
FA/541	QQ-P-416F Sec. 4.6.2
	Axial tensile strength of full-size threaded fasteners
FA/266	ASTM F606 Sec. 3.4.1-3.4.3
	Bend test of full size eyebolts
FA/147	ASTM F541
	Breaking strength of fullsize eyebolts
FA/275	ASTM A489
	Brinell hardness of fasteners
FA/185	ASTM A370 Sec. 16
	Charpy impact (u-notch) testing
FA/517	ASTM E23
	Charpy impact (v-notch) testing
FA/211	ASTM A370 Sec. 19-28
FA/212	ASTM E23
	Copper sulfate test - test for free iron on the surface of corrosion resistant fasteners
FA/545	ASTM A262 Sec. 22-31
	Double shear of externally threaded fasteners
FA/257	MIL-STD-1312-13
	Elevated temperature testing capability
FA/546	ASTM E21
	Humidity testing of fasteners
FA/548	ASTM D2247
	Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/549	Chrysler PS-9500
	Intergranular corrosion susceptibility in austentic stainless steel fasteners - nitric aci
FA/173	ASTM A262 Sec. 15-21, Practice C
	Intergranular corrosion susceptibility of austentic stainles steel fasteners - oxalic acid
FA/174	ASTM A262 Sec. 3-7, Practice A
	Magnetic permeability
FA/215	MIL-I-17214B
	Measurement of fastener coating thickness - magnetic methods
FA/153	ASTM B499

(See 'How To Use This Directory' on page 7.)

Measurement of fastener coating thickness - microscopical method
FA/160 ASTM B487
Measurement of fastener coating thickness - weight of coating
FA/164 ASTM A90
Microhardness of fasteners
FA/189 ASTM E384
Prevailing torque
FA/216 ANSI B18.16.1M
FA/217 IFI-100/107
Proof load of full-size externally threaded fasteners
FA/225 ASTM A370 Sec. A3.2.1.1-A3.2.1.3
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
Proof load of full-size eyebolts
FA/231 ASTM A489
Proof load of internally threaded fasteners (nuts)
FA/237 ASTM F606M Sec. 4.2
Reusability test of self-locking internally threaded fasteners
FA/542 ANSI B18.16.1M
FA/543 IFI-100/107
Rockwell hardness of fasteners
FA/196 ASTM A370 Sec. 18
Rockwell superficial hardness of fasteners
FA/206 ASTM A370 Sec. 18
Salt spray testing of fasteners
FA/166 ASTM B117
Single shear of externally threaded fasteners
FA/256 MIL-STD-1312-20
Tension testing of machined specimens from externally threaded fasteners
FA/279 ASTM F606 Sec. 3.6
Torque-out test
FA/544 IFI-101
Total extension at fracture of externally threaded fasteners
FA/285 ASTM F606 Sec. 3.7
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/507 ASTM E384
Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5
Yield strength of full-size externally threaded fasteners
FA/298 ASTM F606 Sec. 3.2.4

Metallography

Decarburization and case depth measurement in fasteners
FA/328 SAE J121
FA/330 SAE J423
Determination of grain size of fasteners
FA/331 ASTM E112
Macroscopic examination of fasteners by etching
FA/484 ASTM E381
Microscopic examination of fasteners by etching
FA/512 ASTM E407
Surface discontinuities of externally threaded fasteners
FA/361 SAE J123c
Surface discontinuities of internally threaded fasteners
FA/365 SAE J122a

Nondestructive Inspection

Liquid penetrant inspection of fasteners
FA/372 SAE J426
Magnetic particle inspection of fasteners
FA/378 SAE J420

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101079-0

Wausau Insurance Companies
Environmental Health Laboratory
P.O. Box 8017, 2000 Westwood Drive
Wausau, WI 54402-8017
Contact: Dr. Thomas Stavros
Phone: 715-842-6810
Fax: 715-847-8391

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101086-0

Analytica Solutions, Inc.
325 Interlocken Parkway, Suite 200
Broomfield, CO 80021
Contact: Mr. Tim Osbourn
Phone: 303-469-8868
Fax: 303-469-5254
E-Mail: Marketing@Analyticagroup.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101087-0

Environmental Monitoring & Consulting Associates
P.O. Box 872
Somerville, NJ 08876
Contact: Mr. Joel Russell
Phone: 732-249-3005
Fax: 732-249-3384

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101088-0

EEC, Inc.
107 Wind Chime Court
Raleigh, NC 27615
Contact: Mr. Mike Shrimanker
Phone: 919-846-1016
Fax: 919-846-1813

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101091-0

Maxim Technologies, Inc.
2342 Fabens
P.O. Box 59902
Dallas, TX 75229-3399
Contact: Ms. Jean Huang
Phone: 972-247-7576
Fax: 972-484-5804

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101091-1

Maxim Technologies, Inc.
222 Cavalcade Street
P.O. Box 8768
Houston, TX 77249-8768
Contact: Mr. Tom Jank
Phone: 713-692-9151
Fax: 713-696-6307

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101103-0

Chatfield Technical Consulting Limited
2071 Dickson Road
Mississauga Ontario L5B 1Y8
CANADA
Contact: Dr. Eric J. Chatfield
Phone: 905-896-7611
Fax: 905-896-1930

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101106-0

Clayton Environmental Consultants, Inc.
4636 East Marginal Way South, Suite 215
Seattle, WA 98134-2331
Contact: Ms. Patricia Lukens
Phone: 206-763-7364
Fax: 206-763-4189

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101109-0

Wisconsin Occupational Health Laboratory
979 Jonathon Drive
Madison, WI 53713
Contact: Mr. Lyle Reichmann
Phone: 608-263-7781
Fax: 608-263-6551
E-Mail: LR@WOHL.SLH.WISC.EDU

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101111-0

City of Los Angeles Department of Water and Power
Department of Water and Power
PO Box 51111, 1630 N. Main St., Bldg. 7
Los Angeles, CA 90051-0100
Contact: Mr. Timothy B. Hemming
Phone: 213-367-7271
Fax: 213-367-7285

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101112-0

SSM/Laboratories, Inc.
345 North Wyomissing Blvd.
P.O. Box 6307
Reading, PA 19610-0307
Contact: Ms. Odette Mina
Phone: 610-376-4595
Fax: 610-376-8522

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101116-0

Environmental Health Laboratory
3920 Arkwright Road
Macon, GA 31213
Contact: Mr. Andrew L. Teague
Phone: 912-471-4544
Fax: 912-471-4326
E-Mail: ateague@cigna.e-mail.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101122-0

Versar, Inc.
6850 Versar Center
Springfield, VA 22151
Contact: Ms. Marcie Dilks
Phone: 703-642-6889
Fax: 703-642-6809

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101125-0

Clayton Laboratory Services
400 Chastain Center Blvd., NW
Suite 490
Kennesaw, GA 30144-5558
Contact: Mr. Alan M. Segrave
Phone: 770-499-7500
Fax: 770-423-4990
E-Mail: ASEG007@AOL.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101130-0

TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Contact: Mr. James Tuinenga
Phone: 630-790-0880
Fax: 630-790-0882

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101135-0

McKee Environmental Health, Inc.
303 Westfield Lane
Friendswood, TX 77546-6316
Contact: Mr. Ronald S. McKee
Phone: 281-482-3403
Fax: 281-482-7203

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101136-0

American Medical Laboratories
14225 Newbrook Drive
P.O. Box 10841
Chantilly, VA 20153-0841
Contact: Mr. Bryan Mason
Phone: 703-802-6900
Fax: 703-802-7041
E-Mail: bmason@bellatlantic.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101143-0

AMA Analytical Services, Inc.
4485 Forbes Blvd.
Lanham, MD 20706
Contact: Mr. Andreas Saldivar
Phone: 301-459-2640
Fax: 301-459-2643
E-Mail: AMALAB@EROLS.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101147-0

Hygienetics Laboratory Services
98 North Washington Street
Boston, MA 02114
Contact: Mr. Bryan Clark
Phone: 617-589-0660
Fax: 617-742-4285
E-Mail: lab@hygienetics.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101148-0

ENSR Corporation
12201 Merit Drive, Suite 900
Dallas, TX 75251
Contact: Mr. Darryl Neldner
Phone: 972-960-6855
Fax: 972-960-7140

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101150-0

Schneider Laboratories, Inc.
2512 W. Cary Street
Richmond, VA 23220-5117
Contact: Mr. Raja F. Abouzaki
Phone: 804-353-6778
Fax: 804-353-6928
E-Mail: s_lab@ix.netcom.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101151-0

Micro Analytical Laboratories, Inc.
3618 N.W. 97th Blvd.
Gainesville, FL 32606
Contact: Mr. Robert A. Longo
Phone: 352-332-1701
Fax: 352-332-3572
E-Mail: MALINC@MSN.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101152-0

Law Engineering, Inc.
5500 Guhn Road
Houston, TX 77040-6126
Contact: Mr. Tony T. Dang
Phone: 713-939-7161
Fax: 713-462-7903

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101155-0

AMS-NATEC Environmental Services, Inc.
DBA AMS-NATEC Environmental Srvs., Inc.
7441 Anaconda Avenue
Garden Grove, CA 92841-2911
Contact: Mr. Vanc Thomas
Phone: 714-894-7577
Fax: 714-373-1768

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101159-0

Health & Hygiene/ELB
420 Gallimore Dairy Road
Greensboro, NC 27409
Contact: Mr. Stanley H. Garber
Phone: 910-665-1818
Fax: 910-665-0847
E-Mail: 74260,3133 (Compu Serve)

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101162-0

EcoSystems Engineering, Inc.
1408A Vantage Street
Carrollton, TX 75006
Contact: Mr. Bakhtiar Dargali
Phone: 214-352-9400
Fax: 214-352-3200

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101165-0

International Asbestos Testing Laboratory
16000 Horizon Way, Unit 100
Mt. Laurel, NJ 08054
Contact: Mr. Frank E. Ehrenfeld III
Phone: 609-231-9449
Fax: 609-231-9818

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101168-0

AAC Trinity, Inc.
38855 Hills Tech Drive, Suite 550
Farmington Hills, MI 48331
Contact: Mr. Charles A. O'Bryan
Phone: 810-848-9656
Fax: 810-848-9657

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101170-0

Gelles Laboratories, Inc.
2836 Fisher Road
Columbus, OH 43204-3538
Contact: Dr. Stanley H. Gelles
Phone: 614-276-2957
Fax: 614-276-3441
E-Mail: infol@gellab.com or sgelles@compuserve.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101172-0

Asbestos Detection Co., Inc.
12862 Garden Grove Blvd., Suite 220
Garden Grove, CA 92643
Contact: Mr. Richard L. Frauenberger
Phone: 714-530-1922
Fax: 714-530-3756

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101185-0

SEAS, Inc.
3089 Pandapas Pond Road
P.O. Box 660
Blacksburg, VA 24063-0660
Contact: Mr. David L. Violette
Phone: 540-951-9283
Fax: 540-951-9282

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101187-0

ATC Associates, Inc.
104 E. 25th Street 10th Floor
New York, NY 10010
Contact: Ms. Milena Lowd
Phone: 212-353-8280
Fax: 212-353-3599
E-Mail: Lowd15@ATC-ENVIRO.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101188-0

Tremco, Inc. - Roofing Division, An RPM Company
3735 Green Road
Beachwood, OH 44122
Contact: Mr. Donald C. Portfolio
Phone: 216-766-5644
Fax: 216-765-6737

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101190-0

Pacific Environmental Services, Inc.
560 Herndon Parkway, Suite 200
Herndon, VA 20170-5240
Contact: Ms. Pamela S. Reuille
Phone: 703-471-8383
Fax: 703-481-8296
E-Mail: preuille@hrn.pes.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101192-0

Philip Environmental Services Corp.
210 West Sandbank Road
P.O. Box 230
Columbia, IL 62236-0230
Contact: Mr. Craig M. Brooks
Phone: 618-281-7173
Fax: 618-281-5120

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101199-0

HYGENIX, INC.
40 Hoyt Street
Stamford, CT 06905-5616
Contact: Mr. Arthur Morris
Phone: 203-324-2222
Fax: 203-324-9857

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101202-0

STAT Analysis Corporation
2201 W. Campbell Park
Chicago, IL 60612-3501
Contact: Dr. Surendra N. Kumar
Phone: 312-733-0551
Fax: 312-733-2386

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101208-0

RJ Lee Group, Inc.
350 Hochberg Road
Monroeville, PA 15146-1516
Contact: Mr. Drew R. Van Orden
Phone: 412-325-1776
Fax: 412-733-1799
E-Mail: DREW@RJLG.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101208-2

RJ Lee Group, Inc.
Bay Area Laboratory
530 McCormick Place
San Leandro, CA 94577
Contact: Kyle M. Bishop
Phone: 510-567-0480
Fax: 510-567-0488

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101208-3

RJ Lee Group, Inc.
Manassas Laboratory
10503 Battleview Parkway
Manassas, VA 22110
Contact: Monica McCloy
Phone: 703-368-7880
Fax: 703-368-7761

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101208-5

RJ Lee Group, Inc.
Houston Laboratory
14760 Memorial Drive
Houston, TX 77079
Contact: Tony Rease
Phone: 713-584-0584
Fax: 713-584-0588

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101216-0

CTL Environmental Services
24416 South Main Street, Suite #308
Carson, CA 90745
Contact: Mr. Rich Brockbank,
Phone: 310-530-5006
Fax: 310-530-0792

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101218-0

EMS Laboratories, Inc.
117 West Bellevue Drive
Pasadena, CA 91105-2503
Contact: Ms. Bernadine M. Kolk
Phone: 818-568-4065
Fax: 818-796-5282
E-Mail: emslab2@aolcom

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101220-0

Clark County School District
Safety & Health Laboratory
1700 Galleria Drive, Building C
Henderson, NV 89014
Contact: Mr. Nathan M. Lencioni,
Phone: 702-799-0989
Fax: 702-799-0994

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101221-0

Micro Air, Inc.
6320 La Pas Trail
Indianapolis, IN 46268-4104
Contact: Dr. Morris L.V. French
Phone: 317-293-1533
Fax: 317-290-3566
E-Mail: microair@indy.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101222-0

Enviro-Probe, Inc.
2917 Bruckner Boulevard
Bronx, NY 10461
Contact: Dr. Ved P. Kukreja
Phone: 718-863-0045
Fax: 718-518-7454

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101226-0

Law Engineering and Environmental Services, Inc.
2801 Yorkmont Road
P.O. Box 11297
Charlotte, NC 28220
Contact: Mr. Jack Coan
Phone: 704-357-8600
Fax: 704-357-8639

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101228-0

The Scott Lawson Group, Ltd.
29 River Road
P.O. Box 3304
Concord, NH 03302-0894
Contact: Ms. Jennifer Rowland
Phone: 603-228-3610
Fax: 603-228-3871

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101232-0

ERI Consulting Engineers, Inc.
2024 Republic Drive
P.O. Box 2024
Tyler, TX 75701-2024
Contact: Ms. Kathy R. Schosek
Phone: 903-534-5001
Fax: 903-534-8701

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101233-0

HIH Laboratory, Inc.
100 East NASA Road One, Suite 210
P.O. Box 57727
Webster, TX 77598
Contact: Mr. Jerry W. Bright
Phone: 281-338-9000
Fax: 281-338-2351

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101234-0

Braun Intertec Corporation
6875 Washington Avenue South
P.O. Box 39108
Minneapolis, MN 55439-0108
Contact: Ms. Beth Regan
Phone: 612-942-4828
Fax: 612-942-4844
E-Mail: bregan@brauncorp.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101235-0

Materials Analytical Services, Inc.
3597 Parkway Lane, Suite 250
Norcross, GA 30092
Contact: Dr. William E. Longo
Phone: 770-448-3200
Fax: 770-368-8256

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101237-0

State of Connecticut
Dept. of Public Health Laboratory
P.O. Box 1689
Hartford, CT 06144-1689
Contact: Ms. Janet B. Kapish
Phone: 860-509-8538
Fax: 860-509-8698

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101247-0

Micro Analytical, Inc.
11521 W. North Ave.
Milwaukee, WI 53226
Contact: Ms. Gail L. Duthie
Phone: 414-771-0855
Fax: 414-771-6570

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101249-0

Institute for Environmental Assessment
7101 Northland Circle
Brooklyn Park, MN 55428-1517
Contact: Ms. Lee Harbour
Phone: 612-535-7721
Fax: 612-535-9177

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101254-0

Roy F. Weston, Inc.
1635 Pumphrey Avenue
Auburn, AL 36832-4303
Contact: Mr. Jamieson D. Webb
Phone: 334-826-6100
Fax: 334-826-8232

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101258-0

DCM Science Laboratory, Inc.
12477 W. Cedar Drive
Lakewood, CO 80228
Contact: Ms. Cindy Mefford
Phone: 303-985-1155
Fax: 303-985-1424
E-Mail: dcmscilab@aol.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101261-0

Asbestos Analysis and Information Service, Inc.
603 North Baker Street
P.O. Box 837
Four Oaks, NC 27524
Contact: Mr. Stephen H. Westbrook
Phone: 919-963-2898
Fax: 919-932-7452
E-Mail: STEHWEST@AOL.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101262-0

Philip Analytical Services
4418 Pottsville Pike
Reading, PA 19605
Contact: Mr. Fred Usbeck
Phone: 610-921-8833
Fax: 610-921-9667
E-Mail: FRED_USBECK@PHILIP-SERV.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101265-0

ATC Associates, Inc.
5150 East 65th Street
Indianapolis, IN 46220-4871
Contact: Mr. Patrick Stanford
Phone: 317-849-4990 x1806
Fax: 317-842-7932
E-Mail: stanford79@atc-enviro.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101265-2

ATC Associates, Inc.
11356 Mathis Avenue
Dallas, TX 75229-3157
Contact: Cindy Randall
Phone: 214-556-2204
Fax: 214-556-1753

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101265-8

ATC Associates, Inc.
9955 North West 116 Way, Suite 1
Miami, FL 33178-5126
Contact: Stephen Bennett
Phone: 305-882-8200
Fax: 305-882-1200
E-Mail: Lopez31@atc-enviro.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101269-0

Volz Environmental Services, Inc.
1200 Gulf Lab Road
Pittsburgh, PA 15238-1304
Contact: Mr. George J. Skarupa
Phone: 412-826-8480
Fax: 412-826-8488

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101270-0

Pinchin Environmental Consultants Ltd.
5749 Coopers Ave.
Mississauga Ontario L4Z 1R9
CANADA
Contact: Ms. Wendy Bunner
Phone: 905-507-4850
Fax: 905-507-4884
E-Mail: pinchin@inforamp.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101277-0

ManTech Environmental Corporation
1901 Research Boulevard, Suite 240
Rockville, MD 20850
Contact: Mr. Mark B. Watson
Phone: 301-315-8190
Fax: 301-315-8188
E-Mail: mwatson@mantech.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101282-0

Mystic Air Quality Consultants, Inc.
1204 North Road
Groton, CT 06340
Contact: Mr. Christopher J. Eident
Phone: 203-449-8903
Fax: 203-449-8860
E-Mail: MAQC2@AOL.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101288-0

University (State) Hygienic Laboratory
University of Iowa
102 Oakdale Campus, #H101 OH
Iowa City, IA 52242-5002
Contact: Dr. George Breuer
Phone: 319-335-4500
Fax: 319-335-4555
E-Mail: gbreuer@uhl.uiowa.edu

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101292-0

Maxim Technologies, Inc.
600 South 25th Street
P.O. Box 30615
Billings, MT 59107
Contact: Ms. Kathleen A. Smit
Phone: 406-248-9161
Fax: 406-248-9282

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101295-0

ERT Testing Services
211 Glendale, Suite 425
Highland Park, MI 48203
Contact: Ms. Rose Grier
Phone: 313-865-0600
Fax: 313-865-8951

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101301-0

PMK Group, Inc.
629 Springfield Road
Kenilworth, NJ 07033
Contact: Mr. James Ferris
Phone: 908-686-0044
Fax: 908-686-0715
E-Mail: jimf@mars.superlink.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101306-0

Environmental Services, Inc.
6404 MacCorkle Avenue
St. Albans, WV 25177
Contact: Ms. Sheila A. Sites
Phone: 304-768-2233
Fax: 304-768-9988

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101323-0

PA DEP Bureau of Laboratories
P.O. Box 1467
Harrisburg, PA 17105-1467
Contact: Mr. Floyd D. Kefford
Phone: 717-787-4669
Fax: 717-783-1502

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101330-0

Allison Analytical Services, Inc.
5900 North High Street
Worthington, OH 43085
Contact: Ms. Becka Freeman
Phone: 614-438-5962
Fax: 614-438-5963

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101331-0

Kellco Services, Inc.
44814 Osgood Road
Fremont, CA 94539
Contact: Dr. Xiaomin (Simon) Wang
Phone: 510-659-9751
Fax: 510-659-0147
E-Mail: xwang@kellco.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101332-0

New York Testing Laboratories, Inc.
100 Sweeneydale Avenue
Bay Shore, NY 11706
Contact: Ms. Robin Knappe
Phone: 516-491-3800
Fax: 516-952-7441

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101342-0

PSI
4820 West 15th Street
Lawrence, KS 66049-3846
Contact: Mr. Wayne Dickerson
Phone: 913-865-9345
Fax: 913-865-9337
E-Mail: wdickers@idir.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101343-0

O'Brien & Gere Laboratories, Inc.
5000 Brittonfield Parkway
P.O. Box 4942
Syracuse, NY 13221
Contact: Mr. Michael J. Gerber
Phone: 315-437-0200
Fax: 315-463-7554

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101350-0

PSI
850 Poplar Street
Pittsburgh, PA 15220
Contact: Mr. Daniel Anderson
Phone: 412-922-4010 x260
Fax: 412-922-4014

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101356-0

Beling Consultants, Inc.
1001 16th Street
Moline, IL 61265
Contact: Mr. Jeffrey A. Wasson
Phone: 309-757-9814
Fax: 309-757-9812

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101374-0

BCM Engineers
Laboratory Division
1850 Gravers Road
Norristown, PA 19401-2813
Contact: Ms. D. Linda Cox
Phone: 610-272-4208
Fax: 610-272-5498

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101375-0

Galson Laboratories
6601 Kirkville Road
P.O. Box 369
East Syracuse, NY 13057
Contact: Ms. Eva Galson
Phone: 315-432-5227
Fax: 315-437-0571

URL: http://www.galsonlabs.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101383-0

Lockheed Martin Utility Services, Inc.
Portsmouth Uranium Enrichment Plant
P.O. Box 628, 3930 US Route 23
Piketon, OH 45661
Contact: Ms. D. K. Perez
Phone: 614-897-5702
Fax: 614-897-3130

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101384-0

Health Science Associates
10771 Noel Street
Los Alamitos, CA 90720-2547
Contact: Ms. Susan Rosenberg
Phone: 714-220-3922
Fax: 714-220-2081
E-Mail: srosenberg@earthlink.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101399-0

Guardian Laboratories
6309 Fern Valley Pass
Louisville, KY 40228-1059
Contact: Dr. Dan C. Visanescu
Phone: 502-964-0865
Fax: 502-964-7681

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101410-0

Davis & Floyd, Inc.
816 East Durst Street
P.O. Drawer 428
Greenwood, SC 29649
Contact: Mr. E. Carl Burrell Jr.
Phone: 864-229-4413
Fax: 864-229-7119
E-Mail: cburrell@davisfloyd.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101415-0

Larron Laboratory
529 Broadway
Cape Girardeau, MO 63701
Contact: Mr. Ronald E. Farrow
Phone: 573-334-8910
Fax: 573-334-8910

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101421-0

Hillmann Environmental Company
1600 Route 22 East
Union, NJ 07083-1597
Contact: Ms. Marianne Hillmann
Phone: 908-688-7800
Fax: 908-686-2636

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101424-0

TRC Environmental Corporation
5 Waterside Crossing
Windsor, CT 06095
Contact: Mr. Lance R. Cotton
Phone: 860-298-6326
Fax: 860-298-6399

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101425-0

Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606
Contact: Ms. Colleen Becker
Phone: 757-873-0933
Fax: 757-873-1074
E-Mail: mchemserv@compuserve.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101433-0

Dames & Moore, Inc.
5 Industrial Way
Salem, NH 03079
Contact: Mr. Douglas R. Lawson
Phone: 603-893-0616
Fax: 603-893-6240

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101440-0

RI Analytical Laboratories, Inc.
41 Illinois Avenue
Warwick, RI 02888-3007
Contact: Ms. Kellie M. Gaunya
Phone: 401-737-8500
Fax: 401-738-1970

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101442-0

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, CA 95608
Contact: Mr. Tommy Conlon
Phone: 916-481-8902
Fax: 916-481-3975

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101457-0

Assaigai Analytical Laboratories, Inc.
7300 Jefferson NE
P.O. Box 90430
Albuquerque, NM 87199-0430
Contact: Mr. William P. Biava
Phone: 505-822-8061
Fax: 505-822-8063

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101459-0

Forensic Analytical Specialties, Inc.
3777 Depot Road, Suite 409
Hayward, CA 94545-2756
Contact: Mr. David Kahane
Phone: 510-887-8828
Fax: 510-887-4218
E-Mail: dk@forensica.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101459-1

Forensic Analytical Specialties, Inc.
2959 Pacific Commerce Drive
Rancho Domingues, CA 90221
Contact: Matilde Antillon
Phone: 310-763-2374
Fax: 310-763-8684

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101463-0

Northern Testing Laboratories, Inc.
3330 Industrial Avenue
Fairbanks, AK 99701-7395
Contact: Ms. Cindy L. Christian
Phone: 907-456-3116
Fax: 907-456-3125

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101496-0

Knoxville Branch Laboratory-TN Dept. Health
East TN Regional Office
P.O. Box 59019, 1522 Cherokee Trail
Knoxville, TN 37950-9019
Contact: Dr. Philip M. Baker
Phone: 423-549-5201
Fax: 423-594-5199

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101505-0

Los Angeles Unified School District
BSC Annex, Env. Health & Safety Branch
1449 So. San Pedro Street
Los Angeles, CA 90015
Contact: Ms. DeeAnne Bryant
Phone: 213-743-5086
Fax: 213-749-8010
E-Mail: dbryant@lausd.K12.ca.us

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101506-0

Environmental Health Laboratories
St. Louis County Department of Health
111 So. Meramec
Clayton, MO 63105-1711
Contact: Dr. Robert A. Nicolotti
Phone: 314-854-6830
Fax: 314-854-6648

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101510-0

Fibertec, Inc.
2280 Aurelius Road
Holt, MI 48842-2165
Contact: Mr. Matthew Frisch
Phone: 517-699-0345
Fax: 517-699-0388
E-Mail: fibertec@fibertec-USA.com
URL: http://www.fibertec@fibertec-usa.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101514-0

EnviroMed Services, Inc.
25 Science Park
New Haven, CT 06511
Contact: Mr. Joseph Pasquariello
Phone: 203-786-5580
Fax: 203-786-5579

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101515-0

Law Engineering and Environmental Services, Inc.
4919 West Laurel Street
Tampa, FL 33607
Contact: Mr. Monte Hall
Phone: 813-289-0750
Fax: 813-289-5474
E-Mail: mhall@lawatl.mhs.compuserve.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101515-1

Law Engineering and Environmental Services, Inc.
5845 N.W. 158th Street
Miami Lakes, FL 33014
Contact: Chris DuBour
Phone: 305-826-5588
Fax: 305-826-1799

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101523-0

DHMH-Air Quality Laboratory
201 West Preston Street
P.O. Box 2355
Baltimore, MD 21201-2355
Contact: Ms. Delores Willis
Phone: 410-767-5646
Fax: 410-333-5403

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101530-0

Department of Environmental Health Industrial Hygiene Laboratory
9325 Hazard Way
San Diego, CA 92123-1217
Contact: Mr. Larry Marshall
Phone: 619-694-2232
Fax: 619-694-3434
E-Mail: LMARSHH@CO.SAN-DIEGO.CA.US

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101539-0

Puget Sound Naval Shipyard
Code 134, Bldg. 371
1400 Farragut Ave.
Bremerton, WA 98314-5000
Contact: Mr. Michael Heaton
Phone: 360-476-8091
Fax: 360-476-5587

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101545-0

NOVA Environmental Services, Inc.
1107 Hazeltine Boulevard, Suite 400
Chaska, MN 55318
Contact: Mr. Tim Wilkinson
Phone: 612-448-9393
Fax: 612-448-9572
E-Mail: Nova@Chaska.mn.frontiercomm.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101553-0

Pennoni Associates, Inc., Barnes and Jarnis Division
Barnes and Jarnis Division
25 Stuart Street, Sixth Floor
Boston, MA 02116
Contact: Ms. Carmen Panaitescu,
Phone: 617-542-6521
Fax: 617-426-7992

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101558-0

Technical Services Laboratory
31-01 20th Avenue, Bldg. 138
Long Island City, NY 11105-2048
Contact: Mr. Edward Chin
Phone: 718-204-4148
Fax: 718-956-8058

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101565-0

Northeast Test Consultants
587 Spring Street
P.O. Box 438
Westbrook, ME 04092
Contact: Ms. Laura Marles,
Phone: 207-854-3939
Fax: 207-854-3658
E-Mail: INFO@NETEST.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101567-0

South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182
Contact: Ms. Corazon B. Choa
Phone: 909-396-2172
Fax: 909-396-2175
E-Mail: cchoa@aqmd.gov

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101568-0

Stanley Engineering Inc.
Alpha Analytical Laboratories
2700 NW 39th Street
Oklahoma City, OK 73112
Contact: Ms. Terri M. Stanley
Phone: 405-948-1979
Fax: 405-948-1964

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101572-0

South Carolina Department of Health & Environmental Control
Division of Air Quality Analysis
8231 Parklane Road
Columbia, SC 29223-4903
Contact: Mr. Scott A. Reynolds
Phone: 803-935-7020
Fax: 803-935-7363
E-Mail: reynolds@columb36.dhec.state.sc.us

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101578-0

AGX, Inc.
50 Progress Avenue
Cranberry Township, PA 16066
Contact: Mr. Daniel Winkle
Phone: 412-776-1905
Fax: 412-776-5714

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101580-0

Precision Testing Laboratories, Inc.
1909 S. Eastern
Moore, OK 73160-6060
Contact: Mr. C. Jack Harrel
Phone: 405-793-1468
Fax: 405-793-1489

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101585-0

Pro-Ac, Inc.
dba Proactive Consulting Services
5643 Cheviot Road, Suite 3
Cincinnati, OH 45247
Contact: Mr. John Stirnkorb
Phone: 513-741-0774
Fax: 513-741-7721

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101587-0

Environmental Enterprise Group(EEG), Inc.
1305 East Main Street
Russellville, AR 72801
Contact: Mr. Keith Zimmerman
Phone: 501-968-6767
Fax: 501-968-1956
E-Mail: eeginc@cswnet.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101593-0

National Environmental Reference Laboratory
C/O US Geological Survey, MS PHL/NERL
P.O. Box 25046
Denver, CO 80225-0046
Contact: Mr. Bruce Hills
Phone: 303-236-3455 x500
Fax: 303-236-3440

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101594-0

TolTest, Inc.
1915 North 12th Street
P.O. Box 2186
Toledo, OH 43624-1305
Contact: Ms. Susan Pellitieri
Phone: 419-241-7175
Fax: 419-321-6257

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101595-0

Envirotest, Inc.
3902 Braxton
Houston, TX 77063-6304
Contact: Dr. Stuart C. Williams
Phone: 713-782-4411
Fax: 713-782-3428
E-Mail: scw@envirotestinc.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101610-0

AET Environmental, Inc.
501 King Avenue
Cherry Hill, NJ 08002
Contact: Mr. Gary Tourscher
Phone: 609-663-2600
Fax: 609-486-1397

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101611-0

Applied Environmental, Inc.
11800 Sunrise Valley Drive, Suite 1200
Reston, VA 22091
Contact: Ms. Jana H. Ambrose
Phone: 703-648-0822
Fax: 703-648-0575

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101618-0

Ambient Labs, Inc.
159 West 25th Street, 8th Floor
New York, NY 10001-7203
Contact: Mr. William Esposito Jr.
Phone: 212-463-7812
Fax: 212-463-9397

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101626-0

GSC Environmental Laboratories, Inc.
1527 Crescent Drive
Augusta, GA 30909
Contact: Mr. Dan D. Troutman
Phone: 706-737-0185
Fax: 706-737-0743

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101631-0

Pacific Rim Environmental, Inc.
6510 Southcenter Boulevard
Tukwila, WA 98188
Contact: Mr. William F. Golloway
Phone: 206-244-8965
Fax: 206-244-9096

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101646-0

Eastern Analytical Services, Inc.
4 Westchester Plaza
Elmsford, NY 10523-1610
Contact: Mr. Paul Stascavage,
Phone: 914-592-8380
Fax: 914-592-8956
E-Mail: PaulS@EASInc.com
URL: http://www.EASInc.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101649-0

Asbestos Consulting & Testing (ACT)
14953 West 101st Terrace
Lenexa, KS 66215
Contact: Mr. Jim A. Pickel
Phone: 913-492-1337
Fax: 913-492-1392

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101656-0

Precision Micro-Analysis, Inc.
3463 Ramona Avenue, Suite 16
Sacramento, CA 95826-3827
Contact: Mr. David G. Fisher
Phone: 916-456-4892
Fax: 916-456-1082
E-Mail: dreed@ns.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101661-0

Aurora Consolidated Laboratories
8901 W. Lincoln Avenue
West Allis, WI 53227
Contact: Dr. Leon Saryan
Phone: 414-328-7944
Fax: 414-328-8560

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101672-0

TC Analytics, Inc.
1200 Boissevain Ave.
Norfolk, VA 23507
Contact: Mr. Steven J.E. Long
Phone: 757-627-0400
Fax: 757-627-1118

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101703-0

U.S. EPA - National Enforcement Investigations Center
Box 25227 Bldg. 53, Denver Federal Ctr.
Denver, CO 80225
Contact: Ms. Peggy J. Forney
Phone: 303-236-5132 x267
Fax: 303-236-5116

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101704-0

Allegheny Asbestos Analysis
100 Rosslyn Road
Carnegie, PA 15106
Contact: Mr. Timothy Daniels
Phone: 412-278-5400
Fax: 412-278-5404

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101727-0

KETER Consultants, Inc.
8270 Archer Avenue
Willow Springs, IL 60480
Contact: Mr. Richard J. Langenderfer
Phone: 708-839-1338
Fax: 708-839-6970

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101732-0

United Analytical Services, Inc.
4413 West Roosevelt Road, Suite 108
Hillside, IL 60162-2057
Contact: Ms. Kathy L. McCloskey
Phone: 708-449-0070
Fax: 708-449-9582

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101735-0

Environmental Resource Consultants
dba Environmental Resource Consultants
5828 Balcones Drive, Suite 205
Austin, TX 78731
Contact: Ms. Jimmie Ann Bolton
Phone: 512-452-2582
Fax: 512-452-2583

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101749-0

ComEd
System Materials Analysis Department
555 S. Joliet Road
Bolingbrook, IL 60440
Contact: Mr. Steven Scalcucci
Phone: 630-783-3610
Fax: 630-783-3606
E-Mail: smass@ccmail.ceco.co

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101755-0

PSI
(formerly B&D Materials Testing Corp.)
9 East 37th Street, 11th Floor
New York, NY 10016
Contact: Mr. Devaraj (VJ) Vijayakumar
Phone: 212-889-0294
Fax: 212-889-0493

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101759-0

EG&G Environmental Health PLM Laboratory
BOC-022
Kennedy Space Center, FL 32815
Contact: Mr. James Taffer
Phone: 407-867-2400
Fax: 407-867-3694
E-Mail: James.Taffer-1@kmail.ksc.nasa.gov

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101768-0

Carolina Environmental, Inc.
1401-F Diggs Drive
Raleigh, NC 27603
Contact: Mr. John D. Koenigs
Phone: 919-755-0000
Fax: 919-836-9999

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101771-0

Asbestos Analytical
2519 North Walnut Avenue
Tucson, AZ 85712-2414
Contact: Dr. John McLean
Phone: 520-323-7644
Fax: 520-323-7644

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101775-0

American Asbestos Laboratories, Inc.
99 SE 5th Street, 4th Floor
Miami, FL 33131-2545
Contact: Ms. Laura Varela
Phone: 305-374-8300
Fax: 305-374-9004
E-Mail: lvv@eegs.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101781-0

Covino Environmental Associates, Inc.
300 Wildwood Avenue
Woburn, MA 01801
Contact: Ms. Ann D. Eckmann
Phone: 617-933-2555
Fax: 617-932-9402
E-Mail: covino@tiac.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101782-0

North American Analytical Labs, Inc.
154 Caddo Drive, Suite B
P.O. Box 6865
Abilene, TX 79608-6865
Contact: Mr. Denny E. Walker
Phone: 915-691-0172
Fax: 915-692-2927

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101793-0

A & B Environmental Services, Inc.
1643 Federal Road
Houston, TX 77015
Contact: Mr. Robert L. Voorhies
Phone: 713-453-6060
Fax: 713-453-6091
E-Mail: aandblab@flash.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101803-0

CAMCO Lab
11040 Rose Avenue
Fontana, CA 92335
Contact: Ms. Pamela Landreth
Phone: 909-428-3099
Fax: 909-428-3098

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101807-0

EnvironMETeo Services Inc.
94-515 Ukee Street, Suite 304
Waipahu, HI 96797
Contact: Mr. Clifford How
Phone: 808-671-8383
Fax: 808-671-7979
E-Mail: putter@aloha.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101820-0

GCI Environmental Advisory, Inc.
165 Darling Street
Wilkes-Barre, PA 18701
Contact: Mr. James Grond
Phone: 717-823-9069
Fax: 717-823-9240

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101832-0

A.R.C. Laboratories, Inc.
1323 9th Avenue South
Grand Forks, ND 58201
Contact: Mr. Joseph J. Worman
Phone: 701-772-6496
Fax: 701-772-6416

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101847-0

Law Engineering and Environmental Services, Inc.
22455 Davis Drive, Suite 100
Sterling, VA 21064
Contact: Mr. Ronald M. Combs
Phone: 703-404-7000
Fax: 703-404-7070

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101848-0

Environmental Testing, Inc.
100 South Cass Street
P.O. Box 138
Middletown, DE 19709-0138
Contact: Ms. Lee Ann Shinaberry
Phone: 302-378-9881
Fax: 302-378-9882
E-Mail: ETI@ix.netcom.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101853-0

RCM Laboratories, Inc.
5400 East Avenue, Second Floor
Countryside, IL 60525
Contact: Dr. Tianbao Bai
Phone: 708-485-8600
Fax: 708-485-8607

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101855-0

Analytical Industries, Inc.
6025 Kentucky Dam Road
P.O. Box 3327
Paducah, KY 42003
Contact: Mr. Steve Stamper
Phone: 502-898-8683
Fax: 502-898-3531

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101864-0

Design for Health, Inc.
1516 West Redwood, Suite 104
San Diego, CA 92101
Contact: Mr. Kabir Shefa
Phone: 619-291-1777
Fax: 619-291-4318

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101868-0

AIResearch, Inc.
Environmental Consultants and Laboratory
2969 N. 114th Street
Wauwatosa, WI 53222
Contact: Mr. Jon Yakish
Phone: 414-476-3131
Fax: 414-476-2201
E-Mail: JONMAURA@EXECPC.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101869-0

Northwest Envirocon, Inc.
7410 Delaware Lane
Vancouver, WA 98664
Contact: Mr. Naresh C. Singh
Phone: 360-699-4015
Fax: 360-699-5223
E-Mail: NARESHQAQC@AOL.COM
URL: http://www.nwenvirocon.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101870-0

Sun City Analytical, Inc.
1409 Montana
El Paso, TX 79902
Contact: Ms. Priscilla Acuna
Phone: 915-533-8840
Fax: 915-533-8843

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101871-0

Apollo Environmental, Inc.
11553 U.S. Highway 41 South
P.O. Box 239
Gibsonton, FL 33534-9720
Contact: Ms. Patricia Mitchell
Phone: 813-671-3999
Fax: 813-677-3422

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101872-0

Micro Analytical Laboratories, Inc.
5900 Hollis Street, Suite M
Emeryville, CA 94608-2008
Contact: Mr. Frank Raviola
Phone: 510-653-0824
Fax: 510-653-1361

URL: http://www.labmicro.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101882-0

Environmental Hazards Services, Inc.
7469 White Pine Road
Richmond, VA 23237
Contact: Mr. Eugene Buie
Phone: 804-275-4788
Fax: 804-275-4907
E-Mail: RickB@envlab.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101884-0

Concord Analysis, Inc.
9960 Canoga Ave., Suite D8
Chatsworth, CA 91311-6704
Contact: Ms. Johanna Fann
Phone: 818-407-0128
Fax: 818-882-9409

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101886-0

Prezant Associates, Inc.
330 Sixth Avenue North, Suite 200
Seattle, WA 98109
Contact: Ms. Gail Gislason
Phone: 206-281-8858
Fax: 206-281-8922
E-Mail: ggislason@prezant.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101888-0

Asbestos Control Program Laboratory
96-05 Horace Harding Expressway, 6th Fl.
Corona, NY 11368-5107
Contact: Mr. Leonard Atteloney
Phone: 718-595-6309
Fax: 718-595-6307

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101890-0

Mountain Laboratories
2310 North Cherry Street, Suite 100
Spokane, WA 99216
Contact: Mr. Wade K. Johnston,
Phone: 406-728-7755
Fax: 406-728-7367
E-Mail: mcswade@ism.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101891-0

Asbestos TEM Laboratories, Inc.
1409 Fifth Street, Suite C
Berkeley, CA 94710
Contact: Mr. R. Mark Bailey
Phone: 510-528-0108
Fax: 510-528-0109
E-Mail: MBaileyASB@aol.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101894-0

Midwest Laboratories, Inc.
6246 Joliet Road, Suite 4
Countryside, lL 60525
Contact: Mr. James P. Hahn
Phone: 708-354-7117
Fax: 708-354-7142

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101895-0

McCall and Spero Environmental, Inc.
13005 Middletown Industrial Blvd.
Suite H
Louisville, KY 40223
Contact: Mr. R. Dale McCall
Phone: 502-244-7135
Fax: 502-244-7136

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101896-0

Reservoirs Environmental Services, Inc.
1827 Grant Street
Denver, CO 80203
Contact: Ms. Jeanne Spencer Orr
Phone: 303-830-1986
Fax: 303-863-9196

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101896-1

Reservoirs Environmental Services, Inc.
1147 Brittmore Road, Suite 112
Houston, TX 77043
Contact: Brett S. Colbert
Phone: 713-932-0015
Fax: 713-984-0963

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101902-0

E. M. Analytical, Inc.
8000 North Ocean Drive
Dania, FL 33004-3078
Contact: Ms. Pat Blackwelder
Phone: 305-751-1184
Fax: 954-921-6747

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101904-0

Scientific Laboratories, Inc.
477 Southlake Boulevard
Richmond, VA 23236
Contact: Dr. Thomas R. McKee
Phone: 804-379-1084
Fax: 804-379-1087

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101904-1

Scientific Laboratories, Inc.
117 East 30th Street
New York, NY 10016
Contact: Dr. Robert E. Tompkins
Phone: 212-679-8600
Fax: 212-679-9392

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101909-0

Analytical Labs San Francisco, Inc.
467 Potrero Avenue
San Francisco, CA 94110
Contact: Ms. Olga Kist
Phone: 415-552-4595
Fax: 415-552-0730
E-Mail: alsf@wnet.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101910-0

PBS Environmental Building Consultants, Inc.
1220 SW Morrison Street, Suite 600
Portland, OR 97205-2225
Contact: Mr. Rollie Champe
Phone: 503-248-1939
Fax: 503-248-0223

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101917-0

DataChem Laboratories
4388 Glendale-Milford Road
Cincinnati, OH 45242-3706
Contact: Ms. Anna Marie Ristich
Phone: 513-733-5336
Fax: 513-733-5347
E-Mail: JCARTER702@AOL.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101920-0

Lab/Cor, Inc.
7619 6th Avenue, NW
Seattle, WA 98117
Contact: Mr. John Harris
Phone: 206-781-0155
Fax: 206-789-8424
E-Mail: labcorl@aol.com

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101926-0

Environmental Management Consultants, Inc.
7342 East Thomas Road
Scottsdale, AZ 85251-7216
Contact: Mr. Kurt A. Kettler
Phone: 602-840-8012
Fax: 602-990-8468
E-Mail: emclab2@earthlink.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101937-0

Environmental Testing Laboratories, Inc.
208 Route 109
Farmingdale, NY 11735
Contact: Mr. Daniel J. Spandau
Phone: 516-249-1456
Fax: 516-249-8344

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101940-0

Terra-Mar, Inc.
11050 Ables Lane
Dallas, TX 75229
Contact: Mr. Jay P. Davis
Phone: 972-488-8800
Fax: 972-488-8080

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101941-0

Kevco Services, Inc.
890 Pittsburgh Road
Butler, PA 16001
Contact: Mr. George M. Beck
Phone: 412-586-6343
Fax: 412-586-2172

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101948-0

MACS Lab, Inc.
2070A Walsh Avenue
Santa Clara, CA 95050-2531
Contact: Mr. James A. Richards
Phone: 408-727-9727
Fax: 408-727-7065

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101949-0

LEX Scientific Inc.
2 Quebec Street, Suite 204
Guelph Ontario N1H 2T3
CANADA
Contact: Mr. Michael Hoffbauer
Phone: 519-824-7082
Fax: 519-824-5784

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 101950-0

WKP Laboratories, Inc.
46 South Highland Avenue
Ossining, NY 10562
Contact: Mr. Fabio J. Pedone
Phone: 914-941-1023
Fax: 914-941-7359

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101953-0

JLC Environmental Consultants, Inc.
200 Park Avenue South, Suite 1001
New York, NY 10003
Contact: Mr. Bing Liang
Phone: 212-420-8119
Fax: 212-420-6092

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101958-0

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City, NY 11104
Contact: Mr. Spiro Dongaris
Phone: 718-784-7490
Fax: 718-784-4085

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101959-0

QuanTEM Laboratories, LLC
2033 Heritage Park Drive
Oklahoma City, OK 73120-7579
Contact: Mr. John E. Barnett
Phone: 405-755-7272
Fax: 405-755-2058
E-Mail: quantem ionet.net
URL: http://www.quantem.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 101965-0

Bell Laboratories, Division Lucent Technologies, Inc.
P.O. Box 636, 600 Mountain Avenue
Murray Hill, NJ 07974-0636
Contact: Ms. Lisa Brooks
Phone: 908-582-7157
Fax: 908-582-7233
E-Mail: LB@lucent.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 101967-0

NY Environmental & Material Testing Laboratories, Inc.
88 Harbor Road
Port Washington, NY 11050
Contact: Mr. Li Tsang
Phone: 516-944-9500
Fax: 516-944-9507
E-Mail: ltsang@idt.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101970-0

PSI
500 West Central Avenue, Suite A
Brea, CA 92621
Contact: Ms. Celia Marini
Phone: 714-671-1072
Fax: 714-529-7229

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101973-0

Law Engineering and Environmental Services, Inc.
7616 LBJ Freeway, Suite 600
Dallas, TX 75251
Contact: Mr. John R. Cates
Phone: 972-934-0800
Fax: 972-934-1429

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101974-0

Rapid Environmental Management, Inc.
171 Great Neck Road
Great Neck, NY 11021
Contact: Mr. Joseph Sterinbach
Phone: 516-482-3003
Fax: 516-482-3076

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101977-0

ACM Environmental, Inc.
229 South Michigan Street
South Bend, IN 46601
Contact: Mr. Michael A. Dials
Phone: 219-234-8435
Fax: 219-234-6800

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101987-0

Environmental Support Services, Inc.
1701 N. Greenville, Suite 404
Richardson, TX 75081
Contact: Mr. Charles R. Baugh
Phone: 972-238-5227
Fax: 972-238-8803
E-Mail: essdallas@aol.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101990-0

Iowa Environmental Services, Inc.
4801 Grand Avenue
Des Moines, IA 50312
Contact: Mr. Richard E. Soyer
Phone: 515-279-8042
Fax: 515-279-1853

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101991-0

QST Environmental
7332 S. Alton Way, Ste. G
Englewood, CO 80112
Contact: Ms. Melinda K. Ryan
Phone: 303-771-9658
Fax: 303-771-2092
E-Mail: mkryan@qstmail.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 101996-0

GA Environmental Services, Inc.
401 Baldwin Tower
1510 Chester Pike
Eddystone, PA 19022
Contact: Ms. Delores S. Beard
Phone: 610-874-7405
Fax: 610-874-7823

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 101997-0

Hygieneering, Inc.
7575 Plaza Court
Willowbrook, IL 60521
Contact: Mr. Nelson Gray
Phone: 630-654-2550
Fax: 630-789-3813

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102000-0

Louisiana Department of Environmental Quality Microanalytical Lab
Microanalytical Lab
8000 GSRI Avenue, Building #402
Baton Rouge, LA 70820
Contact: Ms. Pamela D. Ellis
Phone: 504-765-0876
Fax: 504-765-0048
E-Mail: pame@deq.state.la.us/

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102001-0

Testing Mechanics Corp.
3770 Merrick Road
Seaford, NY 11783-2815
Contact: Mr. Kevin Tumulty
Phone: 516-221-3800
Fax: 516-221-3810

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102003-0

GLE Associates, Inc.
1451 Channelside Drive, Suite 200
Tampa, FL 33605
Contact: Mr. James Watson
Phone: 813-241-8350
Fax: 813-241-8737

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102005-0

University of Alabama Asbestos Laboratory
Bryant Drive - Martha Parham West
P.O. Box 870388
Tuscaloosa, AL 35487-0388
Contact: Ms. Lynn M. Fondren
Phone: 205-348-8571
Fax: 205-348-9286
E-Mail: LFONDREN@CCS.UA.EDU

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102006-0

Solar Environmental Services, Inc.
1131 E. 76th Avenue, Suite 102
Anchorage, AK 99518
Contact: Ms. Gracita O. Torrijos
Phone: 907-349-7705
Fax: 907-349-7944
E-Mail: sesenvir@ak.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102008-0

Micro Air of Texas, Inc.
1052 Hercules Drive
Houston, TX 77058
Contact: Mr. Eric Eitzen
Phone: 281-280-9965
Fax: 281-280-9847

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102010-0

Fluor Daniel Fernald, Inc., Analytical Laboratory Services
P.O. Box 538704
Cincinnati, OH 45253-8704
Contact: Ms. Amy Meyer
Phone: 513-648-5423
Fax: 513-648-5198

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102011-0

Airtek Environmental Corp.
39 West 38th Street, 7th Floor
New York, NY 10018
Contact: Mr. Saad Zouak
Phone: 212-768-0516
Fax: 212-768-0759

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102012-0

JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559
Contact: Mr. John Aschbacher
Phone: 630-655-8500
Fax: 630-655-8724

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102013-0

Hi-Tech Environmental and Laboratory Services
5396 Lincoln Ave., Suite A
Cypress, CA 90630
Contact: Ms. Gwenda Hatcher
Phone: 714-827-0693
Fax: 714-827-0695
E-Mail: Hitechol@ix.netcom.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102015-0

ABM Environmental Consultants, Inc.
32-08 38th Ave., Suite 203
Long Island City, NY 11101
Contact: Mr. Victor Khanin
Phone: 718-472-0558
Fax: 718-472-0548

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102020-0

Los Angeles Harbor Department Testing Laboratory
P.O. Box 786, Berth 161
Wilmington, CA 90744-6499
Contact: Mr. George Horeczko
Phone: 310-732-3976
Fax: 310-835-5717

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102021-0

Safe Environment of America
dba Med-Tox Northwest
19032 66th Avenue S., #C-105
Kent, WA 98032
Contact: Ms. Carol Evans
Phone: 425-656-2920
Fax: 425-656-2924

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102025-0

OCCU-TEC, Inc.
6700 Corporate Drive, Suite 130
Kansas City, MO 64120
Contact: Mr. Geoffrey Smith
Phone: 816-231-5580
Fax: 816-231-5641

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102027-0

Williams & Associates, Inc.
460 Tennessee Street
Memphis, TN 38103-4400
Contact: Ms. Lou G. Boykins
Phone: 901-528-1939
Fax: 901-526-7039

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102029-0

Environmental Service Group
DBA Astbury/Gabriel Corp.
5933 W. 71st Street
Indianapolis, IN 46278
Contact: Ms. Mary Dunlap
Phone: 317-290-1471
Fax: 317-290-1670

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102031-0

ATC Environmental, Inc.
5031 South Ulster, Suite 100
Denver, CO 80237-2806
Contact: Mr. Jeffrey Lomme
Phone: 303-793-9939
Fax: 303-793-0609

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102033-0

Analytical Environmental Services, Inc.
3781 Presidential Parkway, Suite 111
Atlanta, GA 30340
Contact: Mr. Mehmet Yildirim
Phone: 770-457-8177
Fax: 770-457-8188
E-Mail: EPHESUS@worldnet.att.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102035-0

Law/Crandall
4634 S. 36th Place
Phoenix, AZ 85040
Contact: Mr. Michael A. Cook
Phone: 602-437-0250
Fax: 602-437-3675

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102041-0

R. Robinson Analytical Services, Inc.
1960 Peyton Drive
Pensacola, FL 32503
Contact: Mr. William F. Robin Robinson
Phone: 904-438-5552
Fax: 904-432-7394
E-Mail: rrobinson@gulf.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102043-0

Water, Earth Solutions & Technologies, Inc.
17130 Dallas Parkway, Suite 120
Dallas, TX 75248-1139
Contact: Mr. Karl Schul
Phone: 972-380-9444
Fax: 972-380-9449

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102044-0

Loflin Environmental Services
2020 Montrose, Suite 100
Houston, TX 77006
Contact: Mr. James Murray
Phone: 713-521-3300
Fax: 713-523-0829

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102046-0

Criterion Laboratories, Inc.
3370 Progress Drive, Suite J
Bensalem, PA 19020
Contact: Ms. Parvaneh S. Sulon
Phone: 215-244-1300
Fax: 215-244-4349

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102047-0

KAM Consultants
5-17 48th Avenue
Long Island City, NY 11101
Contact: Mr. George Kouvaras
Phone: 718-729-1997
Fax: 718-729-1876

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102050-0

Occupational Health Conservation, Inc.
1840 Southside Blvd., Suite 3C
Jacksonville, FL 32216-0317
Contact: Ms. Judith Cummings
Phone: 904-725-8279
Fax: 904-721-2809
E-Mail: lab@ohcnet.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102053-0

Dove Environmental Corporation
6175 N.W. 153rd Street, Suite 300
Miami Lakes, FL 33014
Contact: Mr. Rajendranath Ramnath
Phone: 305-556-1220
Fax: 305-556-1650

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102056-0

Steve Moody Micro Services, Inc.
1510 Randolph, Suite #602
Carrollton, TX 75006
Contact: Mr. Steve Moody
Phone: 972-446-9482
Fax: 972-446-9870
E-Mail: SMMS1@AIRMAIL.NET

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102057-0

Niche Analysis, Inc.
6 Gramatan Avenue, Suite 404
Mount Vernon, NY 10550
Contact: Dr. Thomas Palackal
Phone: 914-663-8937
Fax: 914-663-8782

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102060-0

Froehling & Robertson, Inc.
3015 Dumbarton Road
P.O. Box 27524
Richmond, VA 23261-7524
Contact: Mr. Jeffrey M. Hudson
Phone: 804-264-2701
Fax: 804-264-1202
E-Mail: AOL@FRCHemical

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102061-0

Omni Environmental, Inc.
13740 Research Blvd., Suite H-5
Austin, TX 78750
Contact: Mr. Joseph Mink
Phone: 512-258-9114
Fax: 512-258-9115
E-Mail: jmink@comland.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102062-0

National Econ Corporation
18552 MacArthur Boulevard, Suite 101
Irvine, CA 92612
Contact: Mr. Mark S. Ervin
Phone: 714-752-5866
Fax: 714-752-4054
E-Mail: http://nationaleconcorp.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102063-0

NVL Laboratories, Inc.
4708 Aurora Avenue No.
Seattle, WA 98103
Contact: Mr. Nghiep Vi Ly
Phone: 206-634-1879
Fax: 206-634-1936
E-Mail: munaf@nvllabs.com
URL: http://www.nvllabs.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102064-0

GPU Nuclear Chemistry/Materials Labs.
Route 183 & Van Reed Road
P.O. Box 15152
Reading, PA 19612-5152
Contact: Mr. Barry Llewellyn
Phone: 610-375-5494
Fax: 610-375-5820
E-Mail: BLLEWELLYN@GPU.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102065-0

WMI Environmental Services
2117 Lane Boulevard
P.O. Box 50209
Kalamazoo, MI 49005-0209
Contact: Mr. Phillip A. Peterson
Phone: 616-382-4154
Fax: 616-382-4161
E-Mail: info@wondermakers.com
URL: http://www.wondermakers.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102068-0

Hygeia Environmental Inc.
35 Enterprise Drive
Dedham, MA 02026
Contact: Mr. Richard K. Bowen
Phone: 781-326-9995
Fax: 781-326-2013
E-Mail: hygeia@erols.com
URL: http://www.hygeia-env-inc.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102071-0

ATC Associates Inc.
11121 Canal Road
Cincinnati, OH 45241
Contact: Mr. Karl D. Feldmann
Phone: 513-771-2112
Fax: 513-782-6920

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102073-0

Triad, Inc.
309 3rd Avenue
Huntington, WV 25701
Contact: Mr. Brian E. Galligan
Phone: 304-523-2195
Fax: 304-523-2197
E-Mail: Duxster@earthlink.net

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102075-0

S&ME, Inc.
9751 Southern Pine Boulevard
P.O. Box 7668
Charlotte, NC 28241-7668
Contact: Mr. Charles J. Brockman
Phone: 704-523-4726
Fax: 704-525-3953

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102077-0

Henderson/Longfellow Associates, Inc.
12101 North 56th Street
Tampa,, FL 33617
Contact: Mr. John J. Henderson
Phone: 813-980-0137
Fax: 813-914-8697

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102078-0

FRS Geotech, Inc.
1441 West 46th Avenue, Suite 14
Denver, CO 80211-2338
Contact: Mr. Ed Raines
Phone: 303-477-2559
Fax: 303-477-2580
E-Mail: frsgeo@ix.netcom.com
URL: http://www.netcome.com/frsgeo/

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102079-0

SCILAB BOSTON, Inc.
25 Mathewson Drive
Weymouth, MA 02189-2346
Contact: Ms. Chris Berot
Phone: 617-337-7887
Fax: 617-337-8237

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102080-0

National Analytical Laboratories, Inc.
503 Giuseppe Court #8
Roseville, CA 95678
Contact: Mr. Amritpal Nagra
Phone: 916-786-7555
Fax: 916-786-7459

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102081-0

Legend Technical Services, Inc.
775 Vandalia Street
St. Paul, MN 55114
Contact: Ms. Cheryl Sykora
Phone: 612-642-1150
Fax: 612-642-1239

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102082-0

Geo-Analytical Services, Inc.
3125 Marjan Drive
Atlanta, GA 30340
Contact: Dr. A. Mohamad Ghazi,
Phone: 770-454-6333
Fax: 770-451-3151

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102083-0

Twin Ports Testing, Inc.
1301 N. 3rd Street
Superior, WI 54880-1131
Contact: Ms. Linda K. Thiry
Phone: 715-392-7114
Fax: 715-392-7163
E-Mail: TPT@GNN.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102085-0

Muranaka Environmental Consultants, Inc.
500 Alakawa Street, Suite 220
P.O. Box 4341
Honolulu, HI 96812
Contact: Mr. Mark T. Muranaka
Phone: 808-848-8866
Fax: 808-847-5267
E-Mail: MMURANAKA@AOL.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102086-0

Dolphin Environmental Consultants
10701 Corporate Drive, Suite 195
Stafford, TX 77477
Contact: Mr. Joseph Bury
Phone: 713-240-4646
Fax: 713-240-5659

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102087-0

Hygeia Laboratories, Inc.
1300 Williams Drive, Suite A
Marietta, GA 30066-6299
Contact: Mr. Clayton Call
Phone: 770-514-6933
Fax: 770-514-6966

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102089-0

Alpine Consulting, Inc.
1602 South Murray Blvd.
Colorado Springs, CO 80916
Contact: Mr. Kevin R. Weaver
Phone: 719-591-2535
Fax: 719-591-2536

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102090-0

Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Contact: Mr. Rudy Zerrudo
Phone: 415-749-4629
Fax: 415-749-5101

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102091-0

Converse Consultants MR, Inc.
4840 Mill Street #5
Reno, NV 89502
Contact: Mr. Dan R. Dolk
Phone: 702-856-3833
Fax: 702-856-3513

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102096-0

All State Engineering & Testing Consultants, Inc.
3731 S.W. 47th Avenue, Suite 401
Davie, FL 33314
Contact: Mr. Anthony Porcello
Phone: 954-584-4475
Fax: 954-584-3887

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102100-0

Detail Associates, Inc.
300 Grand Avenue
Englewood, NJ 07631
Contact: Dr. Ping J. Chen,
Phone: 201-569-6708
Fax: 201-569-4378

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102101-0

Taylor Environmental Group, Inc.
130 Jericho Turnpike
Floral Park, NY 11001
Contact: Mr. George Taylor
Phone: 516-358-2955
Fax: 516-358-1780

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 102102-0

American Electric Power, Environmental Laboratory
Environmental Laboratory
1 Riverside Plaza
Columbus, OH 43215-2373
Contact: Mr. Geoffrey E. Campbell
Phone: 614-836-4210
Fax: 614-836-4168
E-Mail: Geoffrey_E._Campbell@AEP.COM

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102104-0

EMSL Analytical, Inc.
620-G Guilford College Road
Greensboro, NC 27409
Contact: Mr. Ronald K. Mahoney
Phone: 910-297-1487
Fax: 910-297-1676

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102105-0

Vortex Inc./DBA V-Lab
20 Altieri Way #4
Warwick, RI 02886
Contact: Mr. Donald Pellegrino
Phone: 401-738-7710
Fax: 401-738-7869
E-Mail: vlab@vortex-inc.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102106-0

EMSL Analytical, Inc.
2501 Central Parkway, Suite C-13
Houston, TX 77092
Contact: Mr. Lee W. Poye
Phone: 713-686-3635
Fax: 713-686-3645

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102108-0

m.a.c. Paran Consulting Services, Inc.
Analytical Laboratory
325 West Ohio Pike, Suite 202
Amelia, OH 45102
Contact: Mr. Daniel T. Woody
Phone: 513-752-9111
Fax: 513-752-7973

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102110-0

Bellatrix Analytical Laboratories, LLC
8300 N. Hayden Rd. Suite a-103
Scottsdale, AZ 85258
Contact: Mr. Mark J. Guatney
Phone: 602-483-1500
Fax: 602-483-1516

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102111-0

Cape Environmental Management, Inc.
2302 Parklake Drive, Suite 200
Atlanta, GA 30345-2907
Contact: Mr. Aleksey Reznik
Phone: 770-908-7200
Fax: 770-908-7219

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102112-0

Oklahoma Dept. of Environmental Quality-State Environmental Lab
1000 NE 10th Street
Oklahoma City, OK 73117-1212
Contact: Mr. Chris Armstrong
Phone: 405-271-5240
Fax: 405-271-1836
E-Mail: CHRIS.Armstrong@OKlaosf.state.ok.us

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 102113-0

MRS., Analytical Laboratory, Inc.
233 W. Broadway, Suite #504
Louisville, KY 40202
Contact: Mr. Winterford Mensah
Phone: 502-568-2088
Fax: 502-491-7111

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 102114-0

EAI, Inc.
454 Central Avenue
Jersey City, NJ 07307
Contact: Mr. Robert Carvalho
Phone: 201-714-9858
Fax: 201-714-9895

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102115-0

Industrial Laboratory
Norfolk Naval Shipyard
Building 184, 3rd Fl.
Portsmouth, VA 23709-5000
Contact: Mr. Robert West
Phone: 757-396-3207
Fax: 757-396-3972
E-Mail: rwest@nnsy_ns00.nnsy.navy.mil

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 102116-0

Hygeia Environmental Laboratories, Inc.
82 W. Sierra Madre Blvd.
Sierra Madre, CA 91024-2434
Contact: Mr. Gustavo Delgado
Phone: 818-355-4711
Fax: 818-355-4497
E-Mail: gdelgado77@atc-enviro.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 102118-0

Apex Research Laboratory
10505 Plaza Drive, Suite B
Whitmore Lake, MI 48189
Contact: Mr. Robert Letarte
Phone: 313-449-9990
Fax: 313-449-9991

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200002-0

Cryptographic Equipment Assessment Lab. (CEAL)
a CygnaCom Solutions Lab.
7927 Jones Branch Drive, Suite 100 West
McLean, VA 22102-3305
Contact: Mr. Santosh Chokhani
Phone: 703-848-0883
Fax: 703-848-0960
E-Mail: chokhani@cygnacom.com

Cryptographic Modules Testing
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
17/C01	NIST-CSTT:140-1; National Institute of Standards and Technology-Cryptographic Support Test Tool (CSTT) for the Federal Information Processing Standard 140-1 (FIPS 140-1) "Security Requirements for Cryptographic Modules."
17/C01a	Test Method Group 1: All test methods derived from FIPS 140-1 and specified in the CSTT, except those listed in Group 2 and Group 3.
17/C01b	Test Method Group 2: Test methods for Physical Security, Level 4 derived from FIPS 140-1 and specified in the CSTT
17/C01c	Test Method Group 3: Test methods for Software Security, Level 4 derived from FIPS 140-1 and specified in the CSTT

NVLAP LAB CODE 200004-0

Integrity Design & Test Services, Inc.
37 Ayer Road, Unit #7
Littleton, MA 01460
Contact: Mr. Michael C. Boucher
Phone: 508-486-0432
Fax: 508-486-0592
E-Mail: mboucher@ultranet.com
URL: integrity@idts.com

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS-3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

(See 'How To Use This Directory' on page 7.)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200005-0

Motorola Product Quality Assurance Laboratory

20 Cabot Boulevard
Mansfield, MA 02048
Contact: Mr. Joseph W. Manduca
Phone: 508-261-4270
Fax: 508-339-6738
E-Mail: LJM010@email.mot.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200006-0

NJSP Calibration Laboratory

166 River Road
Princeton, NJ 08540-2939
Contact: SGT. John Connolly
Phone: 609-538-6059
Fax: 609-538-0345

Ionizing Radiation Dosimetry

Accreditation Valid Through: March 31, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing the Teledyne automatic reader model 9150.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 through testing.

Teledyne TLD model PB5 for ANSI-N13.11 categories II, IV.

NVLAP LAB CODE 200007-0

Lithonia Testing Laboratories

1335 Industrial Blvd.
P.O. Box A
Conyers, GA 30012-9001
Contact: Mr. James Hospodarsky
Phone: 770-922-9000 x2424
Fax: 770-929-8789

Energy Efficient Lighting Products

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Luminaires (Lighting Fixtures)

22/F04 IES LM-41

NVLAP LAB CODE 200010-0

Tri-State Materials Testing Lab, Inc.

101A Liberty Street
Newington, CT 06111
Contact: Mr. John P. Chmielorz
Phone: 203-666-9954
Fax: 203-666-0195
E-Mail: mattestlab@aol.com
URL: http://www.vision-tec.com/materials.mtl.html

Construction Materials Testing

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Aggregates

02/A03 ASTM C29
02/A04 ASTM C40
02/A07 ASTM C117
02/A09 ASTM C127
02/A10 ASTM C128
02/A12 ASTM C136
02/A15 ASTM D75
02/A44 ASTM C566

Cement

02/A17 ASTM C109
02/A22 ASTM C183

Concrete

02/A01 ASTM C39
02/A02 ASTM C617
02/A41 ASTM C192
02/A43 ASTM C1064
02/G01 ASTM C31/C172/C143/C138/C231

Road and Paving Materials

02/M08 ASTM D979
02/M24 ASTM D2041
02/M25 ASTM D2726

Soil and Rock

02/L02 ASTM D422
02/L04 ASTM D698
02/L06 ASTM D1140
02/L08 ASTM D1557

(See 'How To Use This Directory' on page 7.)

02/L13 ASTM D2216
02/L20 ASTM D4318
02/L23 ASTM D2922
02/L25 ASTM D3017

Standard Practices

02/A39 ASTM C1077

NVLAP LAB CODE 200012-0

IPS Corporation

4593, Hosohora Ono, Tatsuno-machi,
Kamiina-gun, Nagano-ken, P.O. Box 399-06
Nagano 399-06
JAPAN
Contact: Mr. Takashi Maruyama
Phone: +81-266-44-5200
Fax: +81-266-44-5300
E-Mail: maruyama@ips-emc.co.jp

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200013-0

ENCORP

615 Nash Street, Suite 203
El Segundo, CA 90245
Contact: Mr. Keven Quebodeaux
Phone: 310-640-9811
Fax: 310-640-9804

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200014-0

City of Austin-Holly Chemistry Lab.

2401 Holly Street
P.O. Box 1088
Austin, TX 78767-8814
Contact: Mr. Claude Green
Phone: 512-505-7841
Fax: 512-505-7843
E-Mail: greenc@electric.austin.tx.us

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200016-0

Thomas Lighting C & I Division, Photometric Laboratory

1015 S. Green Street
P.O. Box 1687
Tupelo, MS 38802-1687
Contact: Ms. Dana K. Wallace
Phone: 601-842-7212
Fax: 601-841-5596

Energy Efficient Lighting Products

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Luminaires (Lighting Fixtures)

22/F01 IES LM-10
22/F02 IES LM-31
22/F03 IES LM-35
22/F04 IES LM-41
22/F05 IES LM-46

NVLAP LAB CODE 200017-0

DOMUS Software Limited ITSEC Laboratory

309 Cooper Street, 5th Floor
Ottawa Ontario K2P 0G5
CANADA
Contact: Mr. Gary Maxwell
Phone: 613-230-6285
Fax: 613-230-3274
E-Mail: gmaxwell@domus.com

Cryptographic Modules Testing

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

17/C01 NIST-CSTT:140-1; National Institute of Standards and Technology-Cryptographic Support Test Tool (CSTT) for the Federal Information Processing Standard 140-1 (FIPS 140-1) "Security Requirements for

(See 'How To Use This Directory' on page 7.)

Cryptographic Modules."

17/C01a	Test Method Group 1: All test methods derived from FIPS 140-1 and specified in the CSTT, except those listed in Group 2 and Group 3.
17/C01b	Test Method Group 2: Test methods for Physical Security, Level 4 derived from FIPS 140-1 and specified in the CSTT
17/C01c	Test Method Group 3: Test methods for Software Security, Level 4 derived from FIPS 140-1 and specified in the CSTT

NVLAP LAB CODE 200018-0

Test-Con Incorporated

80 Sand Pit Road
P.O. Box 3116
Danbury, CT 06813-3116
Contact: Mr. Chin Okwuka,
Phone: 203-748-3012
Fax: 203-778-0633

Construction Materials Testing

Accreditation Valid Through: September 30, 1998

NVLAP

Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A12	ASTM C136
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A41	ASTM C192
02/G01	ASTM C31/C172/C143/C138/C231
Soil and Rock	
02/L07	ASTM D1556
02/L08	ASTM D1557
02/L20	ASTM D4318
02/L23	ASTM D2922
02/L31	ASTM D2167
Standard Practices	
02/A39	ASTM C1077

NVLAP LAB CODE 200019-0

EMSL Analytical, Inc.

1001 SW Klickitat Way, Suite 107
Seattle, WA 98134
Contact: Mr. David Chen
Phone: 206-233-9007
Fax: 206-233-9011

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)

Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200020-0

Hubbell Lighting Photometric Laboratory

2000 Electric Way
Christiansburg, VA 24073-2502
Contact: Mr. Robert C. Speck
Phone: 540-382-6111 x239
Fax: 540-382-1544
E-Mail: rcspeck@hubbell-ltg.com
URL: www.hubbell-ltg.com/default.htm/photlab.html

Energy Efficient Lighting Products

Accreditation Valid Through: December 31, 1998

NVLAP

Code	*Designation*
Luminaires (Lighting Fixtures)	
22/F01	IES LM-10
22/F02	IES LM-31
22/F03	IES LM-35
22/F04	IES LM-41
22/F05	IES LM-46

NVLAP LAB CODE 200021-0

Wayne Langston, Inc.

2750 FM 1266, Suite 10
League City, TX 77573
Contact: Mr. Wayne Langston
Phone: 281-337-6785
Fax: 281-337-7217
E-Mail: 102575.1532@compuserve.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP

Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200024-0

Enviro Techniques, Inc.
22 California Avenue
Paterson, NJ 07503
Contact: Mr. Frank Marino
Phone: 201-684-0202
Fax: 201-684-3007

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200025-0

CHEMTEX Environmental Laboratory, Inc.
3082 25th Street
P.O. Box 3922
Port Arthur, TX 77642
Contact: Dr. C. N. Reddy
Phone: 409-983-4575
Fax: 409-983-2126

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200027-0

Vartest Laboratories, Inc.
19 West 36th Street, 10th Floor
New York, NY 10018-7909
Contact: Mr. Adam R. Varley
Phone: 212-947-8391
Fax: 212-947-8719
E-Mail: avarley@vartest.com

Carpet and Carpet Cushion
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Tests Applicable to Carpet and Carpet Cushion	
03/T01	AATCC 16 (Option E)
03/T02	ASTM D2646 (Secs. 16-24)
03/T04	16 CFR Part 1630 (FF-1-70)
Tests Applicable to Carpets	
03/G01	AATCC 20
03/G02	AATCC 20A
03/G04	AATCC 165

NVLAP LAB CODE 200028-0

Big Rivers Electric Corp.
201 3rd. Street
P.O. Box 24
Henderson, KY 42420-0024
Contact: Mr. Thomas L. Shaw
Phone: 502-827-2561
Fax: 502-827-2561

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200030-0

Dodge-Regupol, Inc. Laboratory
715 Fountain Avenue
P.O. Box 989
Lancaster, PA 17608-0989
Contact: Mr. Clyde T. Diffendall
Phone: 717-295-3400 x262
Fax: 717-295-3414

Commercial Products Testing
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Plastics	
15/A23	ASTM D412 (Para. 17.2.2, 17.6)
15/A24	ASTM D573
15/A25	ASTM D624
15/A26	ASTM D2240
15/A30	ASTM D297 (Sec. 16; Para. 16.3)

NVLAP LAB CODE 200031-0

Intertek Testing Services NA Inc.
8431 Murphy Drive
Middleton, WI 53562
Contact: Mr. Paul Moliski
Phone: 607-758-6336
Fax: 607-756-6699

URL: http://www.worldlab.com

Thermal Insulation Materials
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Thermal Resistance	
01/T04	ASTM C236

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200033-0

3M Product Safety EMC Laboratory
410 E. Fillmore Avenue
Bldg 76-1-01
St. Paul, MN 55144-1000
Contact: Mr. Greg Demaray
Phone: 612-736-4427
Fax: 612-737-1035
E-Mail: gedemaray@mmm.com

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

NVLAP LAB CODE 200034-0

EMSL Analytical, Inc.
Westwood Business Park 1801 Royal Lane
Suite 908
Dallas, TX 75229
Contact: Mr. Leslie Crisp
Phone: 972-831-9725
Fax: 972-444-0884

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200036-0

Quest Engineering Solutions, Inc.
7 Sterling Road
P.O. Box 125
N. Billerica, MA 01862
Contact: Mr. Glenn Ryan
Phone: 978-667-7000
Fax: 978-667-3388
E-Mail: info@QES.com
URL: http://www.QES.com

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200037-0

Western Analytical Laboratory
3017 N. San Fernando Blvd., Suite A
Burbank, CA 91504-4704
Contact: Mr. Mike Maladzhikyan
Phone: 818-845-7766
Fax: 818-845-7742

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200039-0

Detecon Inc. Type Approval Division
1775 Old Highway 8, Suite 107/108
St. Paul, MN 55112-1891
Contact: Mr. Ulrich Hahn,
Phone: 612-639-0775
Fax: 612-639-0873

URL: http://www.detecom-us.com

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
AUSTEL Technical Standards as determined under the Telecommunications Act of 1991	
12/T47	TS-013
12/T48	TS-014
12/T49	TS-016

NVLAP LAB CODE 200040-0

LG Electronics, Inc., Quality and Reliability Center
36, Munlae-dong, 6-ga Youngdungpo-gu
Seoul 150-096
KOREA
Contact: Mr. Hong Do-Jae
Phone: 82 2 630 3006
Fax: 82 2 630 3050

(See 'How To Use This Directory' on page 7.)

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

NVLAP LAB CODE 200041-0

Kingston Environmental Laboratory
1600 S.W. Market
Lee's Summit, MO 64081-3109
Contact: Ms. Melissa McKee
Phone: 816-524-8811
Fax: 816-251-8102

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200042-0

PSI, Inc.
16601 West Dakota Street
New Berlin, WI 53151-3540
Contact: Mr. Jim Updike
Phone: 414-641-0911
Fax: 414-641-0918

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200044-0

U.S. Army Center for Health Promotion and Preventive Medicine
Attn: MCHB-DL-LO, Bldg. E-2100
Aberdeen Proving Ground, MD 21010-5422
Contact: Mr. Frederic Belkin
Phone: 410-671-3898
Fax: 410-671-4108

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200045-0

Willamette Industries, Inc. West Coast Development Lab
9130 SW Pioneer Court, Suite D
Wilsonville, OR 97070
Contact: Mr. Gary Vosler
Phone: 503-682-4995
Fax: 503-682-4545

Commercial Products Testing
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Paper and Related Products	
09/E02	TAPPI T402-OM; ASTM D685
09/E05	TAPPI T410-OM
09/E06	TAPPI T411-OM
09/E11	TAPPI T452-OM
09/E17	TAPPI T494-OM
09/E20	TAPPI T809-OM
09/E21	TAPPI T818-OM
09/E22	TAPPI T807-OM
09/E25	TAPPI T826-PM
09/E27	TAPPI UM-403
09/E29	TAPPI T476-OM
09/H01	ASTM D642; TAPPI T804-OM
09/H24	TAPPI T802-OM
09/H27	TAPPI T808-OM
09/H28	TAPPI T810-OM
09/H29	TAPPI T811-OM
09/H30	TAPPI T821-OM

NVLAP LAB CODE 200046-0

Maxim Technologies, Inc.
662 Cromwell Avenue
St. Paul, MN 55114-1776
Contact: Mr. Richard S. Alberg
Phone: 612-659-7528
Fax: 612-659-7229

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Thermal Insulation Materials
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Mass, Density, and Dimensional Stability	
01/D03	ASTM C209 (Sec. 6)
01/D04	ASTM C209 (Sec. 13)
01/D05	ASTM C209 (S. 13) by D1037 (S. 100-106)
01/D06	ASTM C209 (S. 14) by D1037 (S. 107-110)
01/D07	ASTM C272
01/D18	ASTM D1622
01/D19	ASTM D2126

(See 'How To Use This Directory' on page 7.)

Related Material Properties

01/V04 ASTM E96

Strength

01/S02 ASTM C203
01/S03 ASTM C209 (Sec. 9)
01/S04 ASTM C209 (Sec. 10)
01/S05 ASTM C209 (Sec. 11)
01/S06 ASTM C209 (Sec. 12)
01/S11 ASTM D1621 (Proc. A)

Thermal Resistance

01/T06 ASTM C518

Acoustical Testing Services

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

08/P03 ASTM C423
08/P06 ASTM E90
08/P10 ANSI S12.31 (ISO 3741)
08/P31 ASTM E336
08/P32 ASTM E1007
08/P37 ASTM E966

NVLAP LAB CODE 200047-0

National Econ Corporation

4515 Poplar Avenue, Suite 410
Memphis, TN 38117
Contact: Mr. Chester V. Ervin
Phone: 901-761-5431
Fax: 901-767-2466

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200049-0

Intertek Testing Services NA, Inc.

7435 4th Street North
Lake Elmo, MN 55042
Contact: Mr. Albert Garlatti
Phone: 612-730-1188
Fax: 612-730-1282
E-Mail: agarlatti@itsqs.com
URL: http://www.worldlab.com

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200050-0

Cooper Lighting - Metalux Research Laboratories

1101 Southerfield Road
P.O. Box 1207
Americus, GA 31709-1207
Contact: Mr. James L. Domigan Jr.
Phone: 912-924-8000
Fax: 912-924-5507

Energy Efficient Lighting Products

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Luminaires (Lighting Fixtures)

22/F04 IES LM-41

NVLAP LAB CODE 200051-0

Analytical Environmental Services International, Inc.

Coll Y Toste 50, St. 3A
Hato Rey, PR 00918
Contact: Mr. Ady Padan
Phone: 787-753-3431
Fax: 787-281-6669
E-Mail: YOTAL@MSN.COM

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200052-0

Dell Regulatory Test Laboratories

One Dell Way
Round Rock, TX 78682
Contact: Mr. David Staggs
Phone: 512-728-3751
Fax: 512-728-3653
E-Mail: David_Staggs@us.dell.com

Acoustical Testing Services

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

08/P24 ANSI S12.10 (ISO 7779)
08/P40 ISO 9296

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

(See 'How To Use This Directory' on page 7.)

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200053-0

MagneTek (Lexington) Engineering Laboratory

669 Natchez Trace Drive
Lexington, TN 38351-4198
Contact: Mr. Hugh Fesmire
Phone: 901-968-4274 x429
Fax: 901-968-4164

Efficiency of Electric Motors
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
24/M01	IEEE 112, Method B

NVLAP LAB CODE 200054-0

Micro Analytical Laboratories, Inc.

1786 - 18th Street, Suite A
San Francisco, CA 94107-2343
Contact: Mr. Frank Raviola
Phone: 510-653-0824
Fax: 510-653-1361

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200055-0

Technology Products Assurance

844 Don Mill Road
North York, Ontario M3C 1V7
CANADA
Contact: Mr. Kenneth Long
Phone: 416-448-4937
Fax: 416-448-4924
E-Mail: klong@celestica.com
URL: http://www.celestica.com

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T50 AS-3260

NVLAP LAB CODE 200056-0

EMSL Analytical, Inc.

440 Lawrence Bell Drive, Suite #2
Williamsville, NY 14221
Contact: Mr. Ken Najuch
Phone: 716-631-5887
Fax: 716-631-7693

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200057-0

Curtis-Straus LLC

527 Great Road
Littleton, MA 01460
Contact: Mr. Jon D. Curtis
Phone: 508-486-8880
Fax: 508-486-8828
E-Mail: jdc@world.std.com
URL: http://world.stds.com/~csweb

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200058-0

Compaq Computer Corp. Emissions Control Lab
M/C 060607
P.O. Box 692000
Houston, TX 77070-2000
Contact: Mr. Steve Ortmann
Phone: 281-514-4897
Fax: 281-514-8029
E-Mail: Steve.Ortmann@Compaq.Com

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200059-0

Northwest EMC, Inc.
120 South Elliott Road
Newberg, OR 97132
Contact: Mr. Dean Ghizzone
Phone: 503-537-0728
Fax: 503-537-0735
E-Mail: dghizzone@nwemc.com

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200060-0

EMG, Company (Environmental Monitoring Group)
14211 Euclid Street, Suite DD
Garden Grove, CA 92843
Contact: Mr. Ray Escobar
Phone: 714-530-0779
Fax: 714-530-1191

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200061-0

Rhein Tech Laboratories, Inc.
360 Herndon Parkway, Suite #1400
Herndon, VA 22170-4820
Contact: Mr. Bruno Clavier
Phone: 703-689-0368
Fax: 703-689-2056
E-Mail: bclavier@rheintech.com
URL: http://www.rheintech.com

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200062-0

Professional Testing (EMI), Inc.

1303 West Industrial Boulevard
Round Rock, TX 78681
Contact: Mr. Jeffrey A. Lenk
Phone: 512-244-3371
Fax: 512-244-1854
E-Mail: jlenk@ptitest.com
URL: http://www.ptitest.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/C1S22	1EC/C1SPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200063-0

Compatible Electronics, Inc.

2337 Troutdale Drive
Agoura, CA 91301
Contact: Mr. Jeff Klinger
Phone: 818-597-0600
Fax: 818-597-1187
E-Mail: jklinger@celectronics.com

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
AUSTEL Technical Standards as determined under the Telecommunications Act of 1991	
12/T41	TS-001
12/T42	TS-002
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T50	AS-3260
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	1EC/C1SPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200064-0

Compliance Eng. Svces, Inc. d.b.a. Compliance Consulting Services

1366 Bordeaux Drive
Sunnyvale, CA 94089-1005
Contact: Mr. Scott Wang
Phone: 408-752-8166 x116
Fax: 408-752-8168

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/C1S22	IEC/C1SPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200065-0

Compliance Eng. Svces, Inc., Compliance Consulting Services

1366 Bordeaux Drive
Sunnyvale, CA 94089-1005
Contact: Mr. Scott Wang
Phone: 408-752-8166 x116
Fax: 408-752-8168

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200066-0

Washington Laboratories, Ltd.

7560 Lindbergh Drive
Gaithersburg, MD 20879
Contact: Mr. Michael F. Violette
Phone: 301-417-0220
Fax: 301-417-9069
E-Mail: mikev@wll.com
URL: http://www.wll.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

NVLAP LAB CODE 200067-0

CT&E Environmental Services Inc.

3491 Kurtz Street
San Diego, CA 92110
Contact: Mr. Craig Sobotka
Phone: 619-222-0544
Fax: 619-224-7260

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200068-0

EMC Compliance Mgmt Group, dba Turntech Scientific & Instr., Inc.

670 National Avenue
Mountain View, CA 94043-2244
Contact: Mr. Paul F. Chen
Phone: 650-988-0900
Fax: 650-988-6647
E-Mail: pfchen@emc-turntech
URL: http://www.emc-turntech.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200069-0

Elliott Laboratories, Inc.

684 West Maude Avenue
Sunnyvale, CA 94086-3518
Contact: Mr. Thomas H. Parker
Phone: 408-245-7800
Fax: 408-245-3499
E-Mail: tparker@elliottlabs.com
URL: http://www.elliottlabs.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

(See 'How To Use This Directory' on page 7.)

AUSTEL Technical Standards as determined under the Telecommunications Act of 1991

12/T41 TS-001

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T50 AS/NZS 3260

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200070-0

EMC Kashima Corporation

1614 Mushihata, Omigawa-machi
Katori-gun,
Chiba-ken 289-03
JAPAN
Contact: Mr. Masaru Nakayama
Phone: 478-82-0963
Fax: 478-82-3373
E-Mail: emc@emc-kashima.co.jp

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200071-0

Apple Computer, Inc., EMC Compliance Laboratory

1 Infinite Loop, Mailstop 26-A
Cupertino, CA 95014-2084
Contact: Mr. Robert Steinfeld
Phone: 408-974-2618
Fax: 408-861-5061
E-Mail: steinfe1@apple.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200074-0

Product Safety Engineering, Inc.

12955 Bellamy Brothers Blvd.
Dade City, FL 33525-7908
Contact: Mr. Dale E. Burns
Phone: 813-989-2360
Fax: 813-989-2373

URL: http://www.pseinc.com

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital

12/T01a 68.302 (Par. c,d,e,f) Environmental simulation;

(See 'How To Use This Directory' on page 7.)

68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection

12/T01b 68.316 Hearing Aid Compatibility: technical standards

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200075-0

Rockford Engineering Services

4750 Williams Wharf Road, P.O. Box 7
St. Leonard, MD 20685-9611
Contact: Mr. Michael Gbadebo
Phone: 510-862-2944
Fax: 510-862-9013
E-Mail: mike@rockfordengr.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200076-0

Instrument Specialties Co., Inc.

P.O. Box A, Shielding Way
Delaware Water Gap, PA 18327-0136
Contact: Mr. J. Fred Gardner
Phone: 717-424-8510
Fax: 717-421-4227
E-Mail: fred_gardner@instrumentspecialties.com
URL: http://www.instrumentspecialties.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

NVLAP LAB CODE 200077-0

Taiwan Tokin EMC Eng. Corp.

9th Fl., No. 38, Fushing N. Rd.
Taipei
TAIWAN
Contact: Mr. Steven Chang
Phone: 886-2-6092133
Fax: 886-2-6099303
E-Mail: ttemc@tpts1.seed.net.tw

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200078-0

Digital Equipment Corp., EMC Test Facility

301 Rockrimmon Blvd. South
Colorado Springs, CO 80919-2398
Contact: Mr. Dennis Laurence
Phone: 719-548-2080
Fax: 719-548-2123

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200079-0

Sporton International, Inc.
6F, No. 106, Sec. 1, Hsin Tai Wu Road
Hsi Chih
Taipei Hsien
TAIWAN
Contact: Mr. W. L. Huang
Phone: 886-2-696-2468
Fax: 886-2-696-2255

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200080-0

Continental Envirotech, Inc.
646 West Broadway Road, Suite 401
Mesa, AZ 85210-1212
Contact: Mr. Stephen P. Kovac
Phone: 602-844-1710
Fax: 602-844-1752

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200081-0

Advanced Energy, Industrial Energy Laboratory
909 Capability Drive, #2100
Raleigh, NC 27606-3870
Contact: Mr. Russell B. Starkey
Phone: 919-857-9038
Fax: 919-832-2696
E-Mail: rstarkey@aec.ncsu.edu
URL: http://www.aec.mcsu.edu

Efficiency of Electric Motors
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
24/M01	IEEE 112, Method B

NVLAP LAB CODE 200082-0

PDE Laboratories
950 Calle Negocio
San Clemente, CA 92673-6201
Contact: Mr. Dave Farrant
Phone: 714-361-9189
Fax: 714-361-9597

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS-3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200083-0

Testwell Craig Laboratories, Inc./Testwell Industries, Inc.
47 Hudson Street
Ossining, NY 10562
Contact: Mr. V. Reddy Kancharla
Phone: 914-762-9000
Fax: 914-762-9638

(See 'How To Use This Directory' on page 7.)

Construction Materials Testing
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Admixtures	
02/A35	ASTM C233
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A06	ASTM C88
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A11	ASTM C131
02/A12	ASTM C136
02/A13	ASTM C142
02/A15	ASTM D75
02/A44	ASTM C566
02/A46	ASTM C535
Cement	
02/A17	ASTM C109
02/A18	ASTM C114
02/A21	ASTM C157
02/A22	ASTM C183
02/A26	ASTM C191
02/A31	ASTM C305
Concrete	
02/A01	ASTM C39
02/A02	ASTM C617
02/A40	ASTM C78
02/A41	ASTM C192
02/A43	ASTM C1064
02/A45	ASTM C42
02/A48	ASTM C856
02/G01	ASTM C31/C172/C143/C138/C231
Soil and Rock	
02/L02	ASTM D422
02/L04	ASTM D698
02/L05	ASTM D854
02/L06	ASTM D1140
02/L07	ASTM D1556
02/L08	ASTM D1557
02/L13	ASTM D2216
02/L16	ASTM D2487
02/L17	ASTM D2488
02/L20	ASTM D4318
02/L23	ASTM D2922
02/L24	ASTM D2974
02/L25	ASTM D3017
Standard Practices	
02/A38	ASTM E329
02/A39	ASTM C1077
Steel Materials	
02/S01	ASTM A370 (Sec. 5-13)/E8
02/S07	ASTM E709
02/S08	ASTM E165

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200084-0

Alliant Techsystems
401 Defense Highway
Annapolis, MD 21401
Contact: Mr. Douglas G. Frazee
Phone: 410-266-1793
Fax: 410-224-0887
E-Mail: doug_frazee@atk.com

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200085-0

Global EMC Standard Tech. Corp.
No. 3, Pau-Tou-Tsuo Valley
Chia-Pau Tsuen, Lin Kou Hsiang
Taipei County
TAIWAN
Contact: Mr. Raymond Chang
Phone: 886-2-6035321
Fax: 886-2-6035325
E-Mail: GESTEK@MS5.HINET.NET

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz

(See 'How To Use This Directory' on page 7.)

to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200086-0

Radiation Technology, Inc.
424 Roberson Lane
San Jose, CA 95112
Contact: Mr. John Howard
Phone: 408-441-6077
Fax: 408-441-6078

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200087-0

Rogers Consulting Labs, Inc.
11701 Craig
P.O. Box 13270
Overland Park, KS 66282-3270
Contact: Mr. Scot D. Rogers
Phone: 913-339-6072
Fax: 913-339-6072

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200088-0

Toshiba/Houston Test Laboratory
13131 W. Little York Road
Houston, TX 77041-5807
Contact: Mr. Willard Gray
Phone: 713-466-0277
Fax: 713-466-8773

Efficiency of Electric Motors
Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

24/M01 IEEE 112, Method B

NVLAP LAB CODE 200089-0

Electronic Compliance Laboratories, Inc.
1249 Birchwood Drive
Sunnyvale, CA 94089
Contact: Mr. Chris Byleckie
Phone: 408-747-1490
Fax: 408-747-1495
E-Mail: chris@eclabs.com

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200090-0

ProScience Analytical Services, Inc.
22 Cummings Park
Woburn, MA 01801-6350
Contact: Mr. Adrian Stanca
Phone: 617-935-3212
Fax: 617-932-4857
E-Mail: PASI96@aol.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200091-0

IBM Rochester EMC Lab
3605 North Highway 52, Department 515
Rochester, MN 55901-7829
Contact: Mr. John S. Maas
Phone: 507-253-2426
Fax: 507-253-1317
E-Mail: jsmaas@vnet.ibm.com

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200093-0

UltraTech Engineering Labs Inc.
33-4181 Sladeview Crescent
Mississauga, Ontario L5L 5R2
CANADA
Contact: Mr. Victor Kee
Phone: 905-569-2550
Fax: 905-569-2480

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200094-0

EMC International, Inc.
762 Park Avenue
Youngsville, NC 27596
Contact: Mr. Dale S. Albright
Phone: 919-554-0901
Fax: 919-556-2043

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance

(See 'How To Use This Directory' on page 7.)

characteristics of information technology equipment

NVLAP LAB CODE 200095-0

Chopra-Lee, Inc.
1815 Love Road
P.O. Box 567
Grand Island, NY 14072-0567
Contact: Mr. Paul S. Chopra
Phone: 716-773-7625
Fax: 716-773-7624
E-Mail: pchopra@pce.net
URL: http://www.chopra-lee-inc.com

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200096-0

Key Tronic Corp.
4424 N. Sullivan Road
P.O. Box 14687
Spokane, WA 99214-0687
Contact: Mr. Gary McInturff
Phone: 509-927-5541
Fax: 509-927-5258

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS-3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200097-0

PEP Testing Laboratory
12-3 FL. No. 27-1,Lane 169, Kang Ning St
Hsi-Chi
Taipei Hsien
TAIWAN
Contact: Mr. Peter Kao
Phone: 886-2-692-2097
Fax: 886-2-695-6236

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS-3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200098-0

Northern Telecom BVW Lab
250 Sidney Street
Belleville, Ontario K8N5B7
CANADA
Contact: Mrs. Seham Fawzy
Phone: 613-966-0100 x3145
Fax: 613-967-5364

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions

(See 'How To Use This Directory' on page 7.)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200099-0

Spectrum Research & Testing Laboratory, Inc.

No. 101-10, Ling 8, Shan-Tong Li
Chun-Li, Taoyuan
TAIWAN
Contact: Mr. Cheng-Yang Ho
Phone: 011-886-3-4987684
Fax: 011-886-3-4986528
E-Mail: info@srtlab.com
URL: http://www.srtlab.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200100-0

Spectrum Research & Testing Laboratory, Inc.

1603 Skinners Turn Road
Owings, MD 20736
Contact: Mr. Cheng-Yang Ho
Phone: 301-855-2262
Fax: 301-855-0149
E-Mail: info@srtlab.com
URL: http://www.srtlab.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200101-0

Fountain Compliance Laboratory

50 Randolph Road
Somerset, NJ 08873-1240
Contact: Mr. Wei Li
Phone: 732-560-9010
Fax: 732-560-9173
E-Mail: lee@ftn.com

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200102-0

Advance Data Technology Corporation

No. 47, 14 Ling, Chia Pau Tsuen,
Lin Kou Hsiang
Taipei Hsien
TAIWAN
Contact: Mr. Harris W. Lai
Phone: 886-2-6032180
Fax: 886-2-6022943

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

(See 'How To Use This Directory' on page 7.)

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200103-0

Hayes Microcomputer Products, Inc.

P.O. Box 105203
Atlanta, GA 30348-5203
Contact: Mr. Bill A. Keeney
Phone: 770-840-9200 x2177
Fax: 770-447-0178

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200104-0

Asbestos TEM Laboratories, Inc.

952 Greg Street
Sparks, NV 89431
Contact: Mr. R. Mark Bailey
Phone: 510-528-0108
Fax: 510-528-0109
E-Mail: MBaileyASB@aol.com

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200107-0

Toshiba Corp., Ome Works

2-9 Suehiro-cho
Ome Tokyo 198
JAPAN
Contact: Mr. N. Tsumura
Phone: 81-428-33-1170
Fax: 81-428-30-7911

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200109-0

A-Pex International Co., Ltd. Yokowa Laboratory

108 Yokowa-cho, Ise-shi
Mie-ken 516-11
JAPAN
Contact: Mr. Michihisa Yamazaki
Phone: 81-596-24-6717
Fax: 81-596-27-5631

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

(See 'How To Use This Directory' on page 7.)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200111-0

TUV Rheinland of North America, Inc.

12 Commerce Road
Newtown, CT 06470-1607
Contact: Mr. Timothy M. Dwyer
Phone: 203-426-0888 x104
Fax: 203-270-8883

URL: http://www.us.tuv.com

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200112-0

IBM Austin EMC

11400 Burnet Road, M.S. 4502
Austin, TX 78758-3493
Contact: Mr. James H. Davis
Phone: 512-838-5900
Fax: 512-838-7101

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200114-0

Cisco Systems, Inc.

170 West Tasman Drive
San Jose, CA 95134-1706
Contact: Mr. Paul Zahra
Phone: 408-526-7986
Fax: 408-527-1708

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200116-0

Electromagnetic Engineering Services, Inc. "EESI"

11696 Sorrento Valley Road, Suite F
San Diego, CA 92121
Contact: Mr. Harry H. Hodes
Phone: 619-259-4952
Fax: 619-259-7170
E-Mail: techops@eesi.com

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

(See 'How To Use This Directory' on page 7.)

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200117-0

Universal Compliance Laboratories
775 B Mabury Road
San Jose, CA 95133
Contact: Mr. Bob Cole
Phone: 408-453-8744
Fax: 408-453-8747

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200118-0

Electronic Research & Service Organization/ITRI
K500 Bldg 17, 19504 Sec. 4
Chung Hsing Road, Chutung
Hsinchu
TAIWAN
Contact: Mr. Paul Y. Liau
Phone: 886-3-591-5994
Fax: 886-3-582-0024

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200119-0

Instrument Specialities Co., Inc.- Western Division
505 Porter Way
Placentia, CA 92870-6454
Contact: Mr. Ed Nakauchi
Phone: 714-579-7100
Fax: 714-961-2751
E-Mail: ed_nakauchi@instrumentspecialties.com

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200120-0

Chemitox EMC Research, Inc.
14979, Egusa, Sudama-cho, Kitakoma-gun
Yamanashi-ken 408-01
JAPAN
Contact: Mr. Kohichi Nakayama
Phone: 81-551-42-4411
Fax: 81-551-20-6002

(See 'How To Use This Directory' on page 7.)

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200121-0

Cabletron Systems, Inc.
35 Industrial Way
P.O. Box 5005
Rochester, NH 03867-5005
Contact: Mr. John Ballew
Phone: 603-337-1742
Fax: 603-337-1764
E-Mail: jballew@ccmailpc.ctron.com

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200122-0

Lambda Metrics
407 South Blue Ridge Parkway (78613)
P.O. Box 1029
Cedar Park, TX 78630-1029
Contact: Mr. Ben Bibb
Phone: 512-219-8218
Fax: 512-219-8218

FCC Test Methods
Accreditation Valid Through: March 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200124-0

White Environmental Consultants Inc.
731 I Street, Suite 201
Anchorage, AK 99501
Contact: Mr. Jim Willard, III
Phone: 907-258-8661
Fax: 907-562-2666
E-Mail: Whiteenv@customcpu.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200125-0

Paradyne Corporation
8545 126th Avenue N.
P.O. Box 2826
Largo, FL 33773-2826
Contact: Mr. Jerry Robbins
Phone: 813-530-8740
Fax: 813-530-2428

FCC Test Methods
Accreditation Valid Through: March 31, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200126-0

Walker Bolt Manufacturing Co.
10202 Airline Drive
P.O. Box 38502
Houston, TX 77238-8502
Contact: Mr. Tommie D. Helms
Phone: 713-448-4350 x230
Fax: 713-999-1979

Fasteners & Metals
Accreditation Valid Through: March 31, 1998
NVLAP
Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis
FA/457 ASTM E415

Dimensional Inspection

Dimensions of ISO grade A and B fasteners
FA/487 DIN 267, Part 5
Dimensions of ISO grade C fasteners
FA/488 DIN 267, Part 5
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/403 ANSI/ASME B18.18.1M
FA/486 MIL-STD-120 (W/ Notice dtd 9 SEP 63)
Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap
FA/405 ANSI/ASME B18.18.3M
FA/406 ANSI/ASME B18.18.4M
FA/493 MIL-STD-120 (W/ Notice dtd 9SEP 63)
External thread parameters - system 21
FA/379 ANSI/ASME B1.3M
FA/380 FED-STD-H28/20A
External thread parameters - system 22
FA/381 ANSI/ASME B1.3M
FA/382 FED-STD-H28/20A
External thread parameters - system 23
FA/385 ANSI/ASME B1.3M
FA/386 FED-STD-H28/20A
Internal thread parameters - system 21
FA/391 ANSI/ASME B1.3M
FA/392 FED-STD-H28/20A
Internal thread parameters - system 22
FA/393 ANSI/ASME B1.3M
FA/394 FED-STD-H28/20A
Internal thread parameters - system 23
FA/397 ANSI/ASME B1.3M
FA/398 FED-STD-H28/20A

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/265 ASTM A370 Sec. A3.2.1.4
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/267 ASTM F606M Sec. 3.4.1-3.4.3
FA/273 SAE J429
Brinell hardness of fasteners
FA/185 ASTM A370 Sec. 16
FA/186 ASTM E10
FA/490 ASTM F606 Sec. 4.1
FA/491 ASTM E18
Charpy impact (v-notch) testing
FA/211 ASTM A370 Sec. 19-28
FA/212 ASTM E23
Microhardness of fasteners
FA/189 ASTM E384
Proof load of full-size externally threaded fasteners
FA/225 ASTM A370 Sec. A3.2.1.1-A3.2.1.3
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/228 ISO 898-1 Sec. 8.4
FA/229 SAE J429 Sec. 5.3
FA/467 ASTM F606M Sec. 3.2.1-3.2.3
Proof load of internally threaded fasteners (nuts)
FA/235 ASTM A370 Sec. A3.5.1
FA/236 ASTM F606 Sec. 4.2
FA/237 ASTM F606M Sec. 4.2
FA/239 ISO 898-2 Sec. 8.1
FA/241 SAE J995 Sec. 5.1
Rockwell hardness of fasteners
FA/196 ASTM A370 Sec. 18
FA/197 ASTM E18
FA/201 MIL-STD-1312-6
FA/464 ASTM F606M Sec. 4.1
FA/482 ASTM F606 Sec. 4.1

(See 'How To Use This Directory' on page 7.)

Tension testing of machined specimens from externally threaded fasteners

FA/278 ASTM A370
FA/279 ASTM F606
FA/280 ASTM F606M
FA/282 ISO 898-1
FA/283 SAE J429

Total extension at fracture of externally threaded fasteners

FA/285 ASTM F606
FA/286 ASTM F606M

Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)

FA/492 ASTM E92

Wedge tensile strength of full-size threaded fasteners

FA/289 ASTM A370
FA/290 ASTM F606 Sec. 3.5
FA/291 ASTM F606M Sec. 3.5
FA/294 ISO 898-1 Sec. 8.5
FA/468 SAE J429 Sec. 5.5

Metallography

Decarburization and case depth measurement in fasteners

FA/324 ISO 898-1
FA/328 SAE J121
FA/483 ASTM A574 Sec. 12

Macroscopic examination of fasteners by etching

FA/484 ASTM E381

Nondestructive Inspection

Liquid penetrant inspection of fasteners

FA/367 ASTM E165
FA/370 MIL-STD-271F(SH)
FA/371 MIL-STD-6866

Magnetic particle inspection of fasteners

FA/376 MIL-STD-271F(SH)
FA/485 ASTM E1444

NVLAP LAB CODE 200128-0

The Perryman Company

213 Vandale Drive
Houston, PA 15342
Contact: Ms. Shirley J. Kemper
Phone: 412-746-9390
Fax: 412-746-9392

Fasteners & Metals

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen

FA/472 ASTM E1447

Dimensional Inspection

Surface texture

FA/554 AMS 4928

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners

FA/530 ASTM E8

Double shear of externally threaded fasteners

FA/257 MIL-STD-1312-13

Rockwell hardness of fasteners

FA/197 ASTM E18

Metallography

Determination of grain size of fasteners

FA/331 ASTM E112
FA/550 ASTM E3

Macroscopic examination of fasteners by etching

FA/551 ASTM E3

Microscopic examination of fasteners by etching

FA/512 ASTM E407
FA/552 ASTM E3
FA/553 AMS 2643

NVLAP LAB CODE 200129-0

AHD

92723 M-152
Dowagiac, MI 49047
Contact: Mr. Edmund (Ted) Chaffee
Phone: 616-424-7014
Fax:

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200130-0

NASA-Lewis Research Center
21000 Brookpark Road, Mail Stop 6-4
Cleveland, OH 44135-3191
Contact: Mr. Kenneth Street
Phone: 216-433-5032
Fax: 216-433-8719

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200131-0

Environmental Testing and Monitoring Services, Inc.
2425 Boward Parkway, Suite 107
Virginia Beach, VA 23454
Contact: Mr. Scott J. Eggleston
Phone: 757-498-7873
Fax: 757-498-7896

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200132-0

USG Research-Systems Evaluation Laboratory
700 N. Highway 45
Libertyville, IL 60048-1296
Contact: Dr. Paul H. Shipp
Phone: 847-970-5259
Fax: 847-362-4871

Acoustical Testing Services
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
08/P03	ASTM C423 (ISO 354)
08/P06	ASTM E90 (ISO 140, Part 3)
08/P33	ASTM E1111
08/P34	ASTM E1414 (AMA-1-II-67)(ISO 140, Part 9)

NVLAP LAB CODE 200133-0

Electronics Testing Center, Taiwan
No.8, Lane 29, Wen-Ming Rd
Lo-Shan Tsun, Kui-shan Hsiang
Taoyuan Hsien 333
TAIWAN
Contact: Mr. Jing-Jung Hong
Phone: 886-03-328-0026 x272
Fax: 886-03-328-0034

FCC Test Methods
Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS-3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200134-0

Marathon Electric - Wausau Engineering Lab.
100 East Randolph Street
P.O. Box 8003
Wausau, WI 54401
Contact: Mr. Gene Sickler
Phone: 715-675-3311 x4155
Fax: 715-675-8043

Efficiency of Electric Motors
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
24/M01	IEEE 112, Method B

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200135-0

AST Research, Inc. EMC Lab.

16215 Alton Parkway M/S 2-10
Irvine, CA 92618-3618
Contact: Mr. Jozef Baran
Phone: 714-727-7654
Fax: 714-727-8329

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200136-0

Wilson-Garner Company

40935 Production Drive
Harrison Township, MI 48045-3422
Contact: Mr. Timothy Pinchback
Phone: 810-466-5800
Fax: 810-465-4408

Fasteners & Metals

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of fasteners - flange screw heads and flange nuts

FA/419 ANSI/ASME B18.2.3.4M
FA/420 ANSI/ASME B18.2.3.9M

Dimensions of fasteners - straightness

FA/423 ANSI/ASME B18.2.1
FA/755 ANSI B18.2.3.1M

Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap

FA/405 ANSI/ASME B18.18.3M
FA/406 ANSI/ASME B18.18.4M

External thread parameters - system 21

FA/379 ANSI/ASME B1.3M

External thread parameters - system 22

FA/381 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners

FA/143 ASTM B571
FA/145 SAE J207

Axial tensile strength of full-size threaded fasteners

FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/267 ASTM F606M Sec. 3.4.1-3.4.3
FA/271 MIL-STD-1312-8
FA/273 SAE J429
FA/274 SAE J1216

Hydrogen embrittlement (stress durability) of externally threaded fasteners

FA/176 MIL-STD-1312-5

Measurement of fastener coating thickness - dimensional change method

FA/495 MIL-STD-1312-12

Measurement of fastener coating thickness - magnetic methods

FA/155 ASTM E376
FA/159 MIL-STD-1312-12

Proof load of full-size externally threaded fasteners

FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/229 SAE J429 Sec. 5.3
FA/230 SAE J1216 Sec. 3.3
FA/467 ASTM F606M Sec. 3.2.1-3.2.3

Rockwell hardness of fasteners

FA/197 ASTM E18
FA/201 MIL-STD-1312-6

Rockwell superficial hardness of fasteners

FA/205 ASTM E18
FA/209 MIL-STD-1312-6

Wedge tensile strength of full-size threaded fasteners

FA/289 ASTM A370
FA/290 ASTM F606 Sec. 3.5
FA/291 ASTM F606M Sec. 3.5
FA/295 MIL-STD-1312-8
FA/468 SAE J429 Sec. 5.5
FA/469 SAE J1216 Sec. 3.6

Nondestructive Inspection

Magnetic particle inspection of fasteners

FA/485 ASTM E1444

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200137-0

Philips Electronics Industries (TAIWAN) Ltd.

5, Tze Chiang 1 Road, Chungli Ind. Park
P.O. Box 123, Chungli
Chungli, Taoyuan
TAIWAN
Contact: Mr. Ronnie Yang
Phone: 886-2-454-9862
Fax: 886-3-454-9887

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

NVLAP LAB CODE 200138-0

Hewlett Packard, Product Test Lab, San Diego

16399 W. Bernardo Drive
San Diego, CA 92127-1899
Contact: Mr. John Hall
Phone: 619-655-8236
Fax: 619-655-5786

FCC Test Methods

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200139-0

PB Fasteners

1700 W. 132nd Street
P.O. Box 1157
Gardena, CA 90249-0157
Contact: Mr. Verne Benson
Phone: 310-323-6222
Fax: 310-329-4685

Fasteners & Metals

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets

FA/539 SAE AS 870C
FA/540 MIL-STD-33787D

External thread parameters - system 21

FA/379 ANSI/ASME B1.3M
FA/380 FED-STD-H28/20A
FA/528 MIL-S-7742D
FA/533 SAE AS 8879

External thread parameters - system 22

FA/381 ANSI/ASME B1.3M
FA/382 FED-STD-H28/20A
FA/383 MIL-S-7742D
FA/534 SAE AS 8879

External thread parameters - system 23

FA/385 ANSI/ASME B1.3M
FA/386 FED-STD-H28/20A
FA/388 MIL-S-8879C
FA/535 SAE AS 8879

Internal thread parameters - system 21

FA/391 ANSI/ASME B1.3M
FA/392 FED-STD-H28/20A
FA/529 MIL-S-7742D
FA/536 SAE AS 8879

Internal thread parameters - system 22

FA/393 ANSI/ASME B1.3M
FA/394 FED-STD-H28/20A
FA/395 MIL-S-7742D
FA/537 SAE AS 8879

Internal thread parameters - system 23

FA/397 ANSI/ASME B1.3M
FA/398 FED-STD-H28/20A
FA/399 MIL-S-7742D
FA/538 SAE AS 8879

Surface texture

FA/439 ANSI/ASME B46.1

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners

FA/532 BMS 10-85M Sec. 8.2

Axial tensile strength of full-size threaded fasteners

FA/271 MIL-STD-1312-8A

(See 'How To Use This Directory' on page 7.)

Double shear of externally threaded fasteners
FA/257 MIL-STD-1312-13
Fatigue of full-size threaded fasteners
FA/183 MIL-STD-1312-11A
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/176 MIL-STD-1312-5A
Magnetic permeability
FA/215 MIL-I-17214B
Measurement of fastener coating thickness - eddy-current method
FA/150 FED TM STD NO. 151b Method 520.1
FA/152 MIL-STD-1312-12
Microhardness of fasteners
FA/189 ASTM E384
FA/193 MIL-STD-1312-6
Permanent set test of self-locking nuts
FA/109 MIL-N-25027E
Recess strength test in both the installation and removal directions
FA/476 MIL-STD-1312-25
Reusability test of self-locking internally threaded fasteners
FA/522 MIL-STD-1312-31
Rockwell hardness of fasteners
FA/201 MIL-STD-1312-6
Rockwell superficial hardness of fasteners
FA/209 MIL-STD-1312-6
Salt spray testing of fasteners
FA/166 ASTM B117
FA/168 MIL-STD-1312-1
Single shear of externally threaded fasteners
FA/256 MIL-STD-1312-20
Stress rupture of fasteners
FA/262 MIL-STD-1312-10
Tension testing of machined specimens from externally threaded fasteners
FA/475 ASTM E8
FA/526 MIL-STD-1312-8
Test for embrittlement of metallic coated externally threaded fasteners
FA/525 MIL-STD-1312-5
Torque-out test
FA/523 MIL-STD-1312-31
Wedge tensile strength of full-size threaded fasteners
FA/295 MIL-STD-1312-8A
Wrench torque test of externally wrenched nuts of spline and hexagon and double hexagon (1
FA/524 MIL-STD-1312-31
Yield strength of full-size externally threaded fasteners
FA/303 MIL-STD-1312-8A

Metallography

Decarburization and case depth measurement in fasteners
FA/521 ASTM E384
Determination of grain size of fasteners
FA/331 ASTM E112
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
Microscopic examination of fasteners by etching
FA/512 ASTM E407

Nondestructive Inspection

Liquid penetrant inspection of fasteners
FA/527 ASTM E1417
Magnetic particle inspection of fasteners
FA/485 ASTM E1444

NVLAP LAB CODE 200140-0

TAO/TA2 EMC Laboratory
225, JEN-HO Road Sec 2, Tachi
Taoyuan
TAIWAN
Contact: Mr. Jim Lin
Phone: 886-3-390-0000
Fax: 886-3-389-4346

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS/NZS 3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200141-0

MAC Fasteners, Inc.
1544 S. Main Street
Ottawa, KS 66067
Contact: Mr. Donald C. Krenkel
Phone: 913-242-8812
Fax: 913-242-4616

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

(See 'How To Use This Directory' on page 7.)

External thread parameters - system 21
FA/380 FED-STD-H28/20A
External thread parameters - system 22
FA/382 FED-STD-H28/20A

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners
FA/541 QQ-P-416F Sec. 4.6.2
Axial tensile strength of full-size threaded fasteners
FA/271 MIL-STD-1312-8A
Double shear of externally threaded fasteners
FA/257 MIL-STD-1312-13
Intergranular corrosion susceptibility in austentic stainless steel fasteners - nitric aci
FA/173 ASTM A262 Sec. 15-21, Practice C
Measurement of fastener coating thickness - dimensional change method
FA/495 MIL-STD-1312-12
Measurement of fastener coating thickness - microscopical method
FA/163 MIL-STD-1312-12
Microhardness of fasteners
FA/193 MIL-STD-1312-6
Recess strength test in both the installation and removal directions
FA/476 MIL-STD-1312-25
Rockwell hardness of fasteners
FA/201 MIL-STD-1312-6
Rockwell superficial hardness of fasteners
FA/209 MIL-STD-1312-6

Metallography

Decarburization and case depth measurement in fasteners
FA/521 ASTM E384
Determination of grain size of fasteners
FA/331 ASTM E112
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
Microscopic examination of fasteners by etching
FA/512 ASTM E407

Nondestructive Inspection

Liquid penetrant inspection of fasteners
FA/371 MIL-STD-6866
Magnetic particle inspection of fasteners
FA/485 ASTM E1444

NVLAP LAB CODE 200142-0

Lockheed Martin Control Systems EMI Laboratory

600 Main Street
Johnson City, NY 13790-1888
Contact: Mr. Paul Heiland
Phone: 607-770-3771
Fax: 607-770-2954

MIL-STD-462 Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Conducted Emissions:	
12/A01	MIL-STD-462 Method CE01
12/A06	MIL-STD-462 Method CE03
12/A12	MIL-STD-462 Method CE07
Conducted Susceptibility:	
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B05	MIL-STD-462 Method CS06
Radiated Emissions:	
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
Radiated Susceptibility:	
12/E02	MIL-STD-462 Method RS02
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)

NVLAP LAB CODE 200143-0

Ivaco Rolling Mills, Chemistry Laboratory

Highway 17, P.O. Box 322
L'Orignal Ontario K0B 1K0
CANADA
Contact: Mr. William V. Berry
Phone: 613-675-4671 x237
Fax: 613-675-2463

Fasteners & Metals

Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/455 ASTM E1019
Optical emission spectrochemical analysis
FA/457 ASTM E415

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200144-0

Dexter Fastener Technologies, Inc.

2110 Bishop Circle E.
Dexter, MI 48130
Contact: Mr. Ken Summersett
Phone: 313-426-5200
Fax: 313-425-5870

Fasteners & Metals

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis
FA/457 ASTM E415

Dimensional Inspection

Dimensions of ISO grade A and B fasteners
FA/407 ISO 3269
FA/589 JIS B1071
FA/590 JIS B1091

Dimensions of fasteners - straightness
FA/423 ANSI/ASME B18.2.1

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/404 ANSI/ASME B18.18.2M

Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap
FA/406 ANSI/ASME B18.18.4M

External thread parameters - ISO
FA/390 ISO 1502

External thread parameters - system 21
FA/379 ANSI/ASME B1.3M
FA/583 JIS B0251
FA/584 JIS B0252

External thread parameters - system 22
FA/381 ANSI/ASME B1.3M

External thread parameters - system 23
FA/385 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/270 ISO 898-1 Sec. 8.2
FA/273 SAE J429
FA/574 JIS B1051 Sec. 4.2.2

Fatigue of full-size threaded fasteners
FA/182 ISO 3800/1
FA/183 MIL-STD-1312-11A
FA/570 JIS B1081

Head soundness testing
FA/614 ISO 898-1 Sec. 8.7
FA/615 JIS B1051 Sec. 4.2.6

Measurement of fastener coating thickness - coulometric method
FA/567 ASTM B504

Measurement of fastener coating thickness - microscopical method
FA/160 ASTM B487

Microhardness of fasteners
FA/189 ASTM E384
FA/191 ISO 6507/2

Proof load of full-size externally threaded fasteners
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/228 ISO 898-1 Sec. 8.4
FA/229 SAE J429 Sec. 5.3
FA/573 JIS B1051 Sec. 4.2.4

Rockwell hardness of fasteners
FA/197 ASTM E18
FA/200 ISO 6508
FA/482 ASTM F606 Sec. 4.1
FA/572 JIS Z2245
FA/616 JIS B1051 Sec. 4.3
FA/617 ISO 898-1 Sec. 8.9

Rockwell superficial hardness of fasteners
FA/205 ASTM E18

Salt spray testing of fasteners
FA/166 ASTM B117
FA/568 ISO 9227
FA/569 JIS Z2371

Tension testing of machined specimens from externally threaded fasteners
FA/279 ASTM F606 Sec. 3.6
FA/282 ISO 898-1
FA/283 SAE J429
FA/580 ISO 6892
FA/581 JIS B1051 Sec. 4.2
FA/582 JIS Z2241

Torque-tension of full-size threaded fasteners
FA/576 JIS B1084

Total extension at fracture of externally threaded fasteners
FA/285 ASTM F606 Sec. 3.7

Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244

Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5
FA/294 ISO 898-1 Sec. 8.5
FA/468 SAE J429 Sec. 5.5
FA/575 JIS B1051` Sec. 4.2.3

Yield strength of full-size externally threaded fasteners
FA/298 ASTM F606 Sec. 3.2.4

Metallography

Decarburization and case depth measurement in fasteners
FA/323 ASTM E1077

Determination of grain size of fasteners
FA/331 ASTM E112

(See 'How To Use This Directory' on page 7.)

Macroscopic examination of fasteners by etching
FA/511 ASTM E340
Microscopic examination of fasteners by etching
FA/512 ASTM E407
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
FA/359 ISO 6157-1

NVLAP LAB CODE 200145-0

Neutron Engineering Inc.
1Fl. No. 20, Alley 50, Lane 119
Dong Hwu Road, P.O. Box 6-158 Nei Hwu
Taipei
TAIWAN
Contact: Mr. George Yao
Phone: 886-2-633-6872
Fax: 886-2-633-4578

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200147-0

Electro Magnetic Test, Inc.
1547 Plymouth Street
Mountain View, CA 94043
Contact: Mr. Jay Gandhi
Phone: 415-965-4000
Fax: 415-965-3000

FCC Test Methods
Accreditation Valid Through: March 31, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b 68.316 Hearing Aid Compatibility: technical standards
12/T01c 68.302 Environmental simulation (Par. a,b)
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200148-0

Chemical Laboratory - Bar Technologies, Inc.
227 Franklin Street, Suite 300
Johnstown, PA 15901
Contact: Mr. John G. Asimou
Phone: 814-533-7330
Fax: 814-533-7335

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/455 ASTM E1019
Optical emission spectrochemical analysis
FA/457 ASTM E415
Solution chemical analysis
FA/448 ASTM E350
FA/531 ASTM E663

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200150-0

Indiana Automotive Fasteners, Inc.
1300 West Anderson Boulevard
Greenfield, IN 46140-2777
Contact: Mr. Pete Murray
Phone: 317-467-0100
Fax: 317-467-0400

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
FA/675 JIS B1012

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners
FA/595 JIS H8504
Axial tensile strength of full-size threaded fasteners
FA/267 ASTM F606M Sec. 3.4.1-3.4.3
FA/270 ISO 898-1 Sec. 8.2
FA/273 SAE J429
FA/574 JIS B1051 Sec. 4.2.2
FA/687 ISO 6892
Measurement of fastener coating thickness - eddy-current method
FA/618 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Rockwell hardness of fasteners
FA/197 ASTM E18
FA/464 ASTM F606M Sec. 4.1
FA/572 JIS Z2245
FA/616 JIS B1051 Sec. 4.3
FA/617 ISO 898-1 Sec. 8.9
Salt spray testing of fasteners
FA/166 ASTM B117
FA/598 JIS H8502
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/492 ASTM E92
FA/571 JIS Z2244
FA/643 JIS B1051 Sec. 4.2.5
FA/658 ISO 6507/1
Wedge tensile strength of full-size threaded fasteners
FA/291 ASTM F606M Sec. 3.5
FA/294 ISO 898-1 Sec. 8.5
FA/575 JIS B1051 Sec. 4.2.3
FA/685 JIS D4604 Sec. 7.7(1)
FA/688 ISO 6892

Metallography

Decarburization and case depth measurement in fasteners
FA/324 ISO 898-1
FA/329 SAE J419
FA/645 JIS B1051
FA/656 ASTM F606M

NVLAP LAB CODE 200151-0

Cosmos Corporation
319 Akeno, Obata-cho
Watarai-gun Mie 519-05
JAPAN
Contact: Mr. Kay Hamaguchi
Phone: 81-596-37-0190
Fax: 81-596-37-3609

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS/NZS 3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200152-0

InFocus Systems, Inc.
27700B SE Parkway Avenue
Wilsonville, OR 97070-9215
Contact: Mr. Don Rhodes
Phone: 503-685-8588
Fax: 503-685-7256

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz

(See 'How To Use This Directory' on page 7.)

to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200157-0

Seiko Epson Corporation

80 Harashinden Hirooka
Shiojiri-City Nagano 399-07
JAPAN
Contact: Mr. Atsushi Shinozaki
Phone: 81 263-52-5094
Fax: 81 263-54-5806

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200158-0

San Shing Hardware Works Co., Ltd. Test Laboratory

No. 851 Chung Shan Rd. Nan-Shing Kui-Jen
Tainan
TAIWAN
Contact: Mr. Jackson Chen
Phone: 886-6-2306611 x311
Fax: 8865-6-2306000

Fasteners & Metals

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of fasteners - flange screw heads and flange nuts

FA/566 IFI D21 p. D21

Dimensions of fasteners - gaging for slotted nuts

FA/417 ANSI/ASME B18.2.2

Internal thread parameters - system 21

FA/391 ANSI/ASME B1.3M

Internal thread parameters - system 22

FA/393 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Clamp load test

FA/558 ISO 2320
FA/559 DIN 267, Part 15
FA/560 IFI-100/107

Cone proof load of internally threaded fasteners (nuts)

FA/220 ASTM F606 Sec. 4.3
FA/221 ASTM F606M Sec. 4.3

Measurement of fastener coating thickness - X-ray methods

FA/556 ASTM B568

Measurement of fastener coating thickness - weight of coating

FA/164 ASTM A90

Microhardness of fasteners

FA/189 ASTM E384

Prevailing torque

FA/217 IFI-100/107
FA/218 ISO 2320
FA/557 DIN 267, Part 15

Proof load of internally threaded fasteners (nuts)

FA/236 ASTM F606 Sec. 4.2
FA/237 ASTM F606M Sec. 4.2
FA/239 ISO 898-2 Sec. 8.1
FA/241 SAE J995 Sec. 5.1

Rockwell hardness of fasteners

FA/197 ASTM E18

Rockwell superficial hardness of fasteners

FA/205 ASTM E18

Salt spray testing of fasteners

FA/166 ASTM B117

Torque-tension of full-size threaded fasteners

FA/306 IFI-101

Total extension at fracture of externally threaded fasteners

FA/285 ASTM F606 Sec. 3.7
FA/286 ASTM F606M Sec. 3.7

Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)

FA/492 ASTM E92

Metallography

Decarburization and case depth measurement in fasteners

FA/323 ASTM E1077
FA/561 ASTM E3
FA/562 ASTM G79

(See 'How To Use This Directory' on page 7.)

Surface discontinuities of internally threaded fasteners
FA/364 ASTM F812M

NVLAP LAB CODE 200160-0

Charter Steel
1658 Cold Springs Road
Saukville, WI 53080
Contact: Mr. Timothy J. Fingeroos
Phone: 414-268-2400
Fax: 414-268-2570

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/455 ASTM E1019
Optical emission spectrochemical analysis
FA/457 ASTM E415

NVLAP LAB CODE 200161-0

Robbins Manufacturing Co., Inc.
1200 Airport Road
P.O. Box 704/750
Fall River, MA 02722
Contact: Mr. Joseph A. DeCosta
Phone: 508-675-2555
Fax: 508-677-0494

Fasteners & Metals
Accreditation Valid Through: March 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/494 ANSI B18.2.1
External thread parameters - system 21
FA/379 ANSI/ASME B1.3M
External thread parameters - system 22
FA/381 ANSI/ASME B1.3M
Internal thread parameters - system 21
FA/391 ANSI/ASME B1.3M
Internal thread parameters - system 22
FA/393 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
Magnetic permeability
FA/214 ASTM A342 Test Method 3
Proof load of full-size externally threaded fasteners
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
Proof load of internally threaded fasteners (nuts)
FA/236 ASTM F606 Sec. 4.2
Rockwell hardness of fasteners
FA/197 ASTM E18
Salt spray testing of fasteners
FA/166 ASTM B117
Tension testing of machined specimens from externally threaded fasteners
FA/279 ASTM F606
Total extension at fracture of externally threaded fasteners
FA/285 ASTM F606
Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5
Yield strength of full-size externally threaded fasteners
FA/298 ASTM F606 Sec. 3.2.4

Metallography

Decarburization and case depth measurement in fasteners
FA/483 ASTM A574 Sec. 12

Nondestructive Inspection

Liquid penetrant inspection of fasteners
FA/370 MIL-STD-271F(SH)

NVLAP LAB CODE 200162-0

United States Technologies, Inc.
3505 Francis Circle
Alpharetta, GA 30201-2989
Contact: Mr. R. Sam Wismer
Phone: 770-740-0717
Fax: 770-740-1508

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200163-0

Ricoh Company, Ltd. Ohmori EMC Center

3-6, Naka-magome 1-Chome Ohta-ku
Tokyo 143
JAPAN
Contact: Mr. Hiroshi Kanna
Phone: 81-3-3776-6281
Fax: 81-3-3777-8317

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices

12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200164-0

SPS Technologies; Aerospace Products Division

Highland Avenue
Jenkintown, PA 19046
Contact: Mr. Eric G. Hakun
Phone: 215-572-3716
Fax: 215-572-3725

Fasteners & Metals

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen

FA/625 SPS Q.C.O.1.2.5.134

Dimensional Inspection

Dimensions of fasteners - bearing surface requirements

FA/633 MIL-N-25027

Dimensions of fasteners - gaging for slotted nuts

FA/632 MIL-N-25027

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets

FA/411 ANSI/ASME B18.3
FA/540 MIL-STD-33787
FA/634 MIL-STD-21132
FA/635 SAE AS 870

Dimensions of fasteners - straightness

FA/423 ANSI/ASME B18.2.1

Dimensions of general purpose fasteners and high-volume machine assembly fasteners

FA/403 ANSI/ASME B18.18.1M

Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap

FA/405 ANSI/ASME B18.18.3M
FA/406 ANSI/ASME B18.18.4M

External thread parameters - system 21

FA/379 ANSI/ASME B1.3M
FA/380 FED-STD-H28/20A
FA/628 MIL-S-8879

External thread parameters - system 22

FA/381 ANSI/ASME B1.3M
FA/382 FED-STD-H28/20A
FA/384 MIL-S-8879C

External thread parameters - system 23

FA/385 ANSI/ASME B1.3M
FA/386 FED-STD-H28/20A
FA/388 MIL-S-8879C

Internal thread parameters - system 21

FA/391 ANSI/ASME B1.3M
FA/392 FED-STD-H28/20A
FA/629 MIL-S-8879

Internal thread parameters - system 22

FA/393 ANSI/ASME B1.3M
FA/394 FED-STD-H28/20A
FA/396 MIL-S-8879C

Internal thread parameters - system 23

FA/397 ANSI/ASME B1.3M
FA/398 FED-STD-H28/20A
FA/400 MIL-S-8879C

Surface texture

FA/439 ANSI/ASME B46.1

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners

FA/143 ASTM B571

Axial tensile strength of full-size threaded fasteners

FA/265 ASTM A370 Sec. A3.2.1.4
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/271 MIL-STD-1312-8A

Charpy impact (v-notch) testing

FA/212 ASTM E23

Compression load of compressible-washer-type direct tension indicators

FA/639 SPS-J-610

Cone proof load of internally threaded fasteners (nuts)

FA/220 ASTM F606 Sec. 4.3

(See 'How To Use This Directory' on page 7.)

Copper sulfate test - test for free iron on the surface of corrosion resistant fasteners
FA/636 MIL-STD-753
Double shear of externally threaded fasteners
FA/257 MIL-STD-1312-13
Elevated temperature testing capability
FA/505 MIL-STD-1312-18
FA/546 ASTM E21
FA/627 MIL-STD1312-28
Fatigue of full-size threaded fasteners
FA/183 MIL-STD-1312-11A
FA/184 NAS 1069
Flareability test of clinch and shank nuts
FA/626 SPS Q.C.O.I.2.5.134
Humidity testing of fasteners
FA/169 MIL-STD-753C Test Method 101
FA/170 QQ-P-35C
FA/473 MIL-STD-1312-3
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/176 MIL-STD-1312-5A
Hydrogen embrittlement (stress durability) of internally threaded fasteners
FA/178 MIL-STD-1312-14
Intergranular corrosion susceptibility of austentic stainles steel fasteners - oxalic acid
FA/174 ASTM A262 Sec. 3-7, Practice A
Magnetic permeability
FA/214 ASTM A342 Test Method 3
Measurement of fastener coating thickness - X-ray methods
FA/556 ASTM B568
Measurement of fastener coating thickness - dimensional change method
FA/495 MIL-STD-1312-12
Measurement of fastener coating thickness - eddy-current method
FA/148 ASTM B244
FA/152 MIL-STD-1312-12
Measurement of fastener coating thickness - magnetic methods
FA/153 ASTM B499
FA/159 MIL-STD-1312-12
Measurement of fastener coating thickness - microscopical method
FA/160 ASTM B487
FA/163 MIL-STD-1312-12
Measurement of fastener coating thickness - weight of coating
FA/165 MIL-STD-1312-12
Microhardness of fasteners
FA/189 ASTM E384
FA/193 MIL-STD-1312-6
Permanent set test of self-locking nuts
FA/109 MIL-N-25027
Proof load of full-size externally threaded fasteners
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
Proof load of internally threaded fasteners (nuts)
FA/236 ASTM F606 Sec. 4.2
Recess strength test in both the installation and removal directions
FA/476 MIL-STD-1312-25
Reusability test of self-locking internally threaded fasteners
FA/124 MIL-N-25027
FA/522 MIL-STD-1312-31
Rockwell hardness of fasteners
FA/197 ASTM E18
FA/201 MIL-STD-1312-6
FA/482 ASTM F606 Sec. 4.1
Rockwell superficial hardness of fasteners
FA/205 ASTM E18
FA/209 MIL-STD-1312-6
FA/637 ASTM F606
Salt spray testing of fasteners
FA/166 ASTM B117
FA/168 MIL-STD-1312-1
Single shear of externally threaded fasteners
FA/255 ASTM F606
FA/256 MIL-STD-1312-20
Stress corrosion of fasteners
FA/172 MIL-STD-1312-9A
Stress rupture of fasteners
FA/260 ASTM E139
FA/261 ASTM E292
FA/262 MIL-STD-1312-10
Tension testing of machined specimens from externally threaded fasteners
FA/278 ASTM A370
FA/279 ASTM F606 Sec. 3.6
FA/475 ASTM E8
Test for embrittlement of metallic coated externally threaded fasteners
FA/179 ASTM F606 Sec. 7
FA/525 MIL-STD-1312-5
Torque-out test
FA/133 MIL-N-25027
FA/523 MIL-STD-1312-31
Torque-tension of full-size threaded fasteners
FA/307 MIL-STD-1312-15
Vibration of full-size threaded fasteners
FA/311 MIL-STD-1312-7A
FA/631 MIL-N-25027
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/492 ASTM E92
Wedge tensile strength of full-size threaded fasteners
FA/289 ASTM A370
FA/290 ASTM F606 Sec. 3.5
Wrench torque test of externally wrenched nuts of spline and hexagon and double hexagon (1
FA/141 MIL-N-25027
FA/524 MIL-STD-1312-31

(See 'How To Use This Directory' on page 7.)

Yield strength of full-size externally threaded fasteners
FA/298 ASTM F606 Sec. 3.2.4
FA/299 ASTM A370 Sec. A3.2.1.3(a)

Metallography

Decarburization and case depth measurement in fasteners
FA/323 ASTM E1077
Determination of grain size of fasteners
FA/638 ASTM E112
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
Microscopic examination of fasteners by etching
FA/512 ASTM E407
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
Surface discontinuities of internally threaded fasteners
FA/363 ASTM F812

Nondestructive Inspection

Liquid penetrant inspection of fasteners
FA/371 MIL-STD-6866
FA/527 ASTM E1417
Magnetic particle inspection of fasteners
FA/485 ASTM E1444

NVLAP LAB CODE 200165-0

Metropolitan Evnironmental Testing Services
179 Smallwood Village Center
Waldorf, MD 20602
Contact: Ms. Carrie A. Fike
Phone: 301-870-1995
Fax: 301-870-1701

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200166-0

O & K Company Limited, Osaka Test Center
8-81, Nakajima 2-Chome, Nishiyodogawa-Ku
Osaka-Shi
JAPAN
Contact: Mr. Norio Shiga
Phone: 06-471-0110
Fax: 06-472-0554

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis
FA/457 ASTM E415

NVLAP LAB CODE 200167-0

Bay Area Compliance Laboratory, Corp.
230 Commercial Street, Suite 2
Sunnyvale, CA 94086
Contact: Mr. John Y. Chan
Phone: 408-732-9162
Fax: 408-732-9164

FCC Test Methods
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS/NZS 3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200169-0

Kobe Steel Ltd. Kobe Works
2 Nadahama-Higashimachi, Nada-ku
Kobe 657
JAPAN
Contact: Mr. Takashi Matsunaga
Phone: 81-78-882-8056
Fax: 81-78-882-8209

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/586 JIS G1211
FA/587 JIS G1215
Optical emission spectrochemical analysis
FA/588 JIS G1253
Solution chemical analysis
FA/585 JIS G1258

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200171-0

Leland-Powell Fasteners, Inc. Fastener Testing Laboratory
Highway 45 South
P.O. Box 260
Martin, TN 38237
Contact: Mr. Jason Danner
Phone: 901-587-3106
Fax: 901-587-9613

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - straightness
FA/754 IFI 138
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/404 ANSI/ASME B18.18.2M
Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap
FA/405 ANSI/ASME B18.18.3M
External thread parameters - system 22
FA/381 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/273 SAE J429
FA/752 SAE J82
Drive test
FA/248 SAE J81
FA/750 SAE J933
Ductility test of thread rolling and self-drilling tappings screws
FA/250 SAE J81
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/709 SAE J81 Sec. 3.9
Measurement of fastener coating thickness - eddy-current method
FA/149 ASTM E376
Proof load of full-size externally threaded fasteners
FA/229 SAE J429 Sec. 5.3
Rockwell hardness of fasteners
FA/202 SAE J417
Rockwell superficial hardness of fasteners
FA/210 SAE J417
Torsional strength test of thread rolling and self-drilling tappings screws
FA/254 SAE J81
FA/751 SAE J933
Wedge tensile strength of full-size threaded fasteners
FA/468 SAE J429 Sec. 5.5
FA/753 SAE J82

NVLAP LAB CODE 200172-0

Rockford Engineering Services
2100 Calaveras Road
P.O. Box 543
Sunol, CA 94586-0543
Contact: Mr. Michael Gbadebo
Phone: 510-862-2944
Fax: 510-862-9013

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS/NZS 3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
12/T01 Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a 68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b 68.316 Hearing Aid Compatibility: technical standards
12/T01c 68.302 Environmental simulation (Par. a,b)
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200173-0

Fuserashi Gunma
870 Kamieda, Nitta-Cho, Nitta-Gun
Gunma-Ken 370-03
JAPAN
Contact: Mr. Takeo Okada
Phone: 06-789-7121
Fax: 06-781-1734

(See 'How To Use This Directory' on page 7.)

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of ISO grade A and B fasteners
FA/608 JIS B1181
Dimensions of ISO grade C fasteners
FA/609 JIS B1181
Dimensions of fasteners - flange screw heads and flange nuts
FA/610 JIS B1190
FA/611 JIS B1170
FA/612 JIS B1183
FA/613 JIS B1196
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
External thread parameters - ISO
FA/624 JIS B0252
Internal thread parameters - ISO
FA/605 JIS B0251
FA/606 JIS B0252

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners
FA/595 JIS H8504
CASS test (copper-accelerated acetic acid-salt spray test) of fasteners
FA/599 JIS H8502
Measurement of fastener coating thickness - coulometric method
FA/597 JIS H8501
Measurement of fastener coating thickness - magnetic methods
FA/596 JIS H8501
Prevailing torque
FA/600 JIS B1056
Proof load of full-size externally threaded fasteners
FA/573 JIS B1051 Sec. 4.2.4
Proof load of internally threaded fasteners (nuts)
FA/601 JIS B1052
Rockwell hardness of fasteners
FA/572 JIS Z2245
Salt spray testing of fasteners
FA/569 JIS Z2371
FA/598 JIS H8502
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244

Metallography

Macroscopic examination of fasteners by etching
FA/602 JIS G0553
Surface discontinuities of externally threaded fasteners
FA/603 JIS B1043
Surface discontinuities of internally threaded fasteners
FA/604 JIS B1042

NVLAP LAB CODE 200174-0

Training Research Co., Ltd.
No. 571, 5F, Ching Shiao E. Rd., Sec. 7
P.O. Box No. 4-18, Nang Kang
Taipei
TAIWAN
Contact: Mr. Frank Tsai
Phone: 886-2-788-1332
Fax: 886-2-785-7408

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200175-0

Ohtama Co., Ltd. Yamanashi EMC Test Site
1661 Oshuku Asigawa Higashi-Yatsushiyo
Yamanashi
JAPAN
Contact: Mr. Etsuji Nogami
Phone: 81-552-98-2141
Fax: 81-552-98-2125

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

(See 'How To Use This Directory' on page 7.)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200176-0

Saga Tekkohsho Co., Ltd.
1-15-1 Kawana
Fujisawa-city Kanagawa Pref. 251
JAPAN
Contact: Mr. Hiroshi Nakamachi
Phone: 0466-23-7131
Fax: 0466-29-2307

Fasteners & Metals
Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Dimensional Inspection

Concentricity
FA/722 JIS B1071
Dimensions of ISO grade A and B fasteners
FA/589 JIS B1071
Dimensions of fasteners - bearing surface requirements
FA/649 JIS B1071
Dimensions of fasteners - straightness
FA/648 JIS B1071
External thread parameters - ISO
FA/676 JIS B1071
Parallelism
FA/723 JIS B1071
Surface texture
FA/650 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/267 ASTM F606M Sec. 3.4.1-3.4.3
FA/574 JIS B1051 Sec. 4.2.2
CASS test (copper-accelerated acetic acid-salt spray test) of fasteners
FA/599 JIS H8502
Fatigue of full-size threaded fasteners
FA/570 JIS B1081
Head soundness testing
FA/615 JIS B1051 Sec. 4.2.6
Measurement of fastener coating thickness - X-ray methods
FA/641 JIS H8501
FA/706 JIS B1044
Measurement of fastener coating thickness - microscopical method
FA/640 JIS H8501
FA/749 JIS B1044
Microhardness of fasteners
FA/620 JIS Z2244
FA/642 JIS B1051 Sec. 4.2.5
Proof load of full-size externally threaded fasteners
FA/573 JIS B1051 Sec. 4.2.4
Rockwell hardness of fasteners
FA/197 ASTM E18
FA/464 ASTM F606M
FA/572 JIS Z2245
FA/616 JIS B1051 Sec. 4.3
FA/704 ASTM F606 Sec. 3.1 (Externally Threaded Fasteners)
FA/707 JIS B1051 Sec. 4.2.5
Salt spray testing of fasteners
FA/569 JIS Z2371
Tension testing of machined specimens from externally threaded fasteners
FA/581 JIS B1051 Sec. 4.2.1
FA/582 JIS Z2241
Total extension at fracture of externally threaded fasteners
FA/644 JIS B1054
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244
FA/643 JIS B1051 Sec. 4.2.5
Wedge tensile strength of full-size threaded fasteners
FA/291 ASTM F606M Sec. 3.5
FA/575 JIS B1051 Sec. 4.2.3

Metallography

Decarburization and case depth measurement in fasteners
FA/645 JIS B1051
Surface discontinuities of externally threaded fasteners
FA/603 JIS B1043
FA/646 JIS B1041

NVLAP LAB CODE 200178-0

Durkee Testing Laboratories, Inc.
15700 Texaco Street
P.O. Box 1401
Paramount, CA 90723-1401
Contact: Mr. John A. Durkee
Phone: 562-531-7111
Fax: 562-531-7137

Fasteners & Metals
Accreditation Valid Through: March 31, 1998

NVLAP Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/455 ASTM E1019
FA/472 ASTM E1447
FA/513 ASTM E1409

(See 'How To Use This Directory' on page 7.)

FA/514 ASTM E351 Sec. 37
FA/515 ASTM E352 Sec. 36
FA/516 ASTM E353 Sec. 37

Energy dispersive X-ray analysis

FA/500 ASTM E1508

Optical emission spectrochemical analysis

FA/456 ASTM E327
FA/457 ASTM E415
FA/458 ASTM E607
FA/459 ASTM E1086

Spot test analysis

FA/501 ASTM STP550

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners

FA/143 ASTM B571

Axial tensile strength of full-size threaded fasteners

FA/271 MIL-STD-1312-8A

Bend test of full size eyebolts

FA/503 ASTM A370 Sec. 14

Breaking strength of fullsize eyebolts

FA/508 MIL-STD-1312-8A

Brinell hardness of fasteners

FA/186 ASTM E10

CASS test (copper-accelerated acetic acid-salt spray test) of fasteners

FA/496 ASTM B368

Charpy impact (u-notch) testing

FA/517 ASTM E23

Charpy impact (v-notch) testing

FA/211 ASTM A370 Sec. 19-28
FA/212 ASTM E23

Copper sulfate test - test for free iron on the surface of corrosion resistant fasteners

FA/499 ASTM A380

Elevated temperature testing capability

FA/505 MIL-STD-1312-18

Fatigue of full-size threaded fasteners

FA/183 MIL-STD-1312-11A

Humidity testing of fasteners

FA/473 MIL-STD-1312-3

Hydrogen embrittlement (stress durability) of externally threaded fasteners

FA/176 MIL-STD-1312-5A

Hydrogen embrittlement (stress durability) of internally threaded fasteners

FA/178 MIL-STD-1312-14

Intergranular corrosion susceptibility in austentic stainless steel fasteners - nitric aci

FA/173 ASTM A262 Sec. 15-21, Practice C
FA/504 ASTM G28

Intergranular corrosion susceptibility of austentic stainles steel fasteners - oxalic acid

FA/174 ASTM A262 Sec. 3-7, Practice A

Lock torque tests

FA/480 MIL-STD-1312-31

Measurement of fastener coating thickness - dimensional change method

FA/495 MIL-STD-1312-12

Measurement of fastener coating thickness - magnetic methods

FA/159 MIL-STD-1312-12

Measurement of fastener coating thickness - microscopical method

FA/163 MIL-STD-1312-12

Measurement of fastener coating thickness - weight of coating

FA/165 MIL-STD-1312-12

Microhardness of fasteners

FA/193 MIL-STD-1312-6

Proof load of full-size externally threaded fasteners

FA/226 ASTM F606 Sec. 3.2.1-3.2.3

Proof load of full-size eyebolts

FA/232 ASTM F541

Proof load of internally threaded fasteners (nuts)

FA/236 ASTM F606 Sec. 4.2

Push out test of floating plate nuts, gang channel nuts, and anchor nuts

FA/116 MIL-N-25027E

Recess strength test in both the installation and removal directions

FA/476 MIL-STD-1312-25

Rockwell hardness of fasteners

FA/201 MIL-STD-1312-6

Rockwell superficial hardness of fasteners

FA/209 MIL-STD-1312-6

Salt spray testing of fasteners

FA/166 ASTM B117
FA/168 MIL-STD-1312-1

Single shear of externally threaded fasteners

FA/256 MIL-STD-1312-20

Stress corrosion of fasteners

FA/172 MIL-STD-1312-9A

Stress rupture of fasteners

FA/262 MIL-STD-1312-10

Test for embrittlement of metallic coated externally threaded fasteners

FA/506 ASTM F519

Torque-out test

FA/133 MIL-N-25027E
FA/502 MIL-N-45913B

Torsional strength test of thread rolling and self-drilling tappings screws

FA/253 SAE J78

Vibration of full-size threaded fasteners

FA/311 MIL-STD-1312-7A

Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)

FA/507 ASTM E384

Water immersion method - test for anodic surface containment on corrosion resistant fasten

FA/497 ASTM A262
FA/498 ASTM G31

(See 'How To Use This Directory' on page 7.)

Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5
FA/510 ASTM E8

Metallography

Decarburization and case depth measurement in fasteners
FA/483 ASTM A574 Sec. 12
FA/520 ASTM F835
Determination of grain size of fasteners
FA/331 ASTM E112
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
Microscopic examination of fasteners by etching
FA/512 ASTM E407
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
Surface discontinuities of internally threaded fasteners
FA/363 ASTM F812

NVLAP LAB CODE 200179-0

Fastener Innovation Technology, Inc.
13215 S. Western Avenue
Gardena, CA 90249-9123
Contact: Mr. Jorge W. Molina
Phone: 310-538-1111
Fax: 310-324-7602

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets
FA/411 ANSI/ASME B18.3
External thread parameters - ISO
FA/594 FED-STD-H28/21
External thread parameters - system 21
FA/380 FED-STD-H28/20A
External thread parameters - system 22
FA/382 FED-STD-H28/20A
External thread parameters - system 23
FA/386 FED-STD-H28/20A
Surface texture
FA/439 ANSI/ASME B46.1

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/271 MIL-STD-1312-8A
FA/530 ASTM E8
Copper sulfate test - test for free iron on the surface of corrosion resistant fasteners
FA/499 ASTM A380
Double shear of externally threaded fasteners
FA/257 MIL-STD-1312-13
Elevated temperature testing capability
FA/505 MIL-STD-1312-18
Fatigue of full-size threaded fasteners
FA/183 MIL-STD-1312-11A
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/176 MIL-STD-1312-5A
Magnetic permeability
FA/215 MIL-I-17214B
Measurement of fastener coating thickness - microscopical method
FA/591 ASTM E1182
Microhardness of fasteners
FA/189 ASTM E384
FA/193 MIL-STD-1312-6
Proof load of full-size externally threaded fasteners
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
Recess strength test in both the installation and removal directions
FA/476 MIL-STD-1312-25
Reusability test of self-locking internally threaded fasteners
FA/124 MIL-N-25027E
Rockwell hardness of fasteners
FA/201 MIL-STD-1312-6
Rockwell superficial hardness of fasteners
FA/209 MIL-STD-1312-6
Salt spray testing of fasteners
FA/166 ASTM B117
Single shear of externally threaded fasteners
FA/256 MIL-STD-1312-20
Stress corrosion of fasteners
FA/172 MIL-STD-1312-9A
Stress rupture of fasteners
FA/262 MIL-STD-1312-10
Tension testing of machined specimens from externally threaded fasteners
FA/475 ASTM E8
FA/526 MIL-STD-1312-8
Total extension at fracture of externally threaded fasteners
FA/592 ASTM E8
Wedge tensile strength of full-size threaded fasteners
FA/289 ASTM A370
FA/290 ASTM F606 Sec. 3.5
Wrench torque test of externally wrenched nuts of spline and hexagon and double hexagon (1
FA/141 MIL-N-25027E
Yield strength of full-size externally threaded fasteners
FA/593 ASTM E8

Metallography

Decarburization and case depth measurement in fasteners
FA/323 ASTM E1077

(See 'How To Use This Directory' on page 7.)

Determination of grain size of fasteners
FA/331 ASTM E112
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
Microscopic examination of fasteners by etching
FA/512 ASTM E407
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788

Nondestructive Inspection

Liquid penetrant inspection of fasteners
FA/371 MIL-STD-6866
FA/527 ASTM E1417
Magnetic particle inspection of fasteners
FA/485 ASTM E1444

NVLAP LAB CODE 200181-0

Topura Co., Ltd.
201 Soya
Hadano Kanagawa 257
JAPAN
Contact: Mr. Katsuzo Fujihira
Phone: 0463-82-4179
Fax: 0463-82-6169

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
FA/675 JIS B1012
FA/682 JASO F116
External thread parameters - ISO
FA/676 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
FA/672 JIS B1054
Embrittlement test of washers
FA/673 JIS B1252
Measurement of fastener coating thickness - eddy-current method
FA/618 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Recovery test of washers
FA/674 JIS B1252
FA/677 JIS B1251
Rockwell hardness of fasteners
FA/707 JIS B1051 Sec. 4.2.5
Salt spray testing of fasteners
FA/598 JIS H8502
Twist test of lock washers
FA/678 JIS B1251
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3

Metallography

Decarburization and case depth measurement in fasteners
FA/645 JIS B1051
Surface discontinuities of externally threaded fasteners
FA/603 JIS B1043
FA/646 JIS B1041

NVLAP LAB CODE 200185-0

Acominas - Analysis and Testing Laboratory
Rodovia MG, 443 - km 05
Ouro Branco MG 36420.000
BRAZIL
Contact: Mr. Dalvio Correia Mourao
Phone: 55-31-749-3334
Fax: 55-31-749-3302

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/455 ASTM E1019
Optical emission spectrochemical analysis
FA/457 ASTM E415
Solution chemical analysis
FA/448 ASTM E350
X-ray fluorescence (XRF) spectrochemical analysis
FA/463 ASTM E1085

NVLAP LAB CODE 200186-0

Hitachi Information Technology Co., Nakai Test Site
Nakai Test Site
456 Sakai, Nakai-machi, Ashigarakami-gun
Kanagawa 259-01
JAPAN
Contact: Mr. Seiichi Kawashima
Phone: 81-463-88-1311
Fax: 81-463-87-1723

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS-3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200187-0

Arcon Fastener Corporation
850 Arthur Avenue
Elk Grove Village, IL 60007-5215
Contact: Mr. Robert L. Patterson
Phone: 803-593-0506
Fax: 803-593-0506

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - flange screw heads and flange nuts
FA/566 IFI D21 p. D21
FA/712 IFI 111
Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets
FA/718 IFI 115
FA/719 ANSI/ASME B1.1
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/403 ANSI/ASME B18.18.1M
FA/404 ANSI/ASME B18.18.2M

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
Drill-drive test
FA/710 SAE J78
FA/711 SAE J81
Drive test
FA/717 ANSI/ASME B18.6.4
Ductility test of thread rolling and self-drilling tappings screws
FA/249 SAE J78
FA/250 SAE J81
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/708 FIP 1000.6 Fastener Inspection Products
FA/709 SAE J81 Sec. 3.9
Measurement of fastener coating thickness - magnetic methods
FA/153 ASTM B499
Microhardness of fasteners
FA/189 ASTM E384
Prevailing torque
FA/217 IFI-100/107
Rockwell hardness of fasteners
FA/197 ASTM E18
FA/482 ASTM F606 Sec. 4.1 (Internally Threaded Fasteners)
Salt spray testing of fasteners
FA/166 ASTM B117
Test for embrittlement of metallic coated externally threaded fasteners
FA/715 SAE J81
FA/716 FIP 1000.6
Torsional strength test of thread rolling and self-drilling tappings screws
FA/253 SAE J78
FA/254 SAE J81
Twist test of lock washers
FA/321 ASME B18.21.1
Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5

Metallography

Decarburization and case depth measurement in fasteners
FA/327 SAE J78

NVLAP LAB CODE 200188-0

EMSL Analytical, Inc.
6330 East 75th Street, Suite 152
Indianapolis, IN 46250
Contact: Mr. Richard Harding
Phone: 317-570-5892
Fax: 317-570-5894

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

NVLAP LAB CODE 200189-0

Japan Quality Assurance Organization Safety Testing Center

1-21-25, Kinuta, Setagaya-ku
Tokyo 157
JAPAN
Contact: Mr. Akihiro Takizawa
Phone: 81-3-3416-0193
Fax: 81-3-3416-8290

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200190-0

Japan Quality Assurance Org. Chubu Testing Center Shikatsu Branch

53-1, Yamaura, Yakushiji, Shikatsu-cho
Nishikasugai-gun
Aichi 481
JAPAN
Contact: Mr. Yasuhiko Kawakami
Phone: 81-0568-23-0023
Fax: 81-0568-23-0116

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200191-0

Japan Quality Assurance Organization Kita-Kansai Testing Center

7-7, Ishimaru 1-chome, Minoo-shi
Osaka 562
JAPAN
Contact: Mr. Fumio Matsuda
Phone: 81-0727-29-2243
Fax: 81-0727-28-6848

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200192-0

Japan Quality Assurance Org. Safety Testing Ctr. Tsuru EMC Branch

2096, Ohata Tanbozawa, Tsuru-shi
Yamanashi 402
JAPAN
Contact: Mr. Akihiro Takizawa
Phone: 81-3-3416-0193
Fax: 81-3-3416-8290

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548

(See 'How To Use This Directory' on page 7.)

Federal Communications Commission (FCC) Methods

I2/F01 FCC Method - 47 CFR Part 15 - Digital Devices

I2/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz

I2/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

I2/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200196-0

Belgo-Mineira Chemical Laboratory

Av. Getulio Vargas, No 100
35.930-900 Joao Monlevade, M.G.
BRAZIL
Contact: Mr. Marco Antonio De Macedo Bosco
Phone: 055-31-859-1301
Fax: 055-31-859-1545

Fasteners & Metals

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen

FA/455 ASTM E1019
FA/563 ASTM E1806

Optical emission spectrochemical analysis

FA/457 ASTM E415
FA/555 ASTM E1009
FA/564 ASTM E1806

X-ray fluorescence (XRF) spectrochemical analysis

FA/461 ASTM E322
FA/565 ASTM E1806

NVLAP LAB CODE 200197-0

Asakawa Screw Co., Ltd.

1261 Nippa-cho, Kohoku-ku
Yokohama 223
JAPAN
Contact: Mr. Tatsuhiko Asakawa
Phone: 045-531-1292
Fax: 045-543-1500

Fasteners & Metals

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of fasteners - bearing surface requirements

FA/649 JIS B1071

Dimensions of fasteners - flange screw heads and flange nuts

FA/610 JIS B1190

Dimensions of fasteners - gaging for slotted nuts

FA/698 JIS B1170

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets

FA/697 JIS B1180

Dimensions of fasteners - straightness

FA/648 JIS B1071

Surface texture

FA/650 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners

FA/574 JIS B1051 Sec. 4.2.2

Embrittlement test of washers

FA/673 JIS B1252

Microhardness of fasteners

FA/620 JIS Z2244

Proof load of full-size externally threaded fasteners

FA/573 JIS B1051 Sec. 4.2.4

Proof load of internally threaded fasteners (nuts)

FA/601 JIS B1052

Rockwell hardness of fasteners

FA/572 JIS Z2245

Rockwell superficial hardness of fasteners

FA/699 JIS Z2245

Torque-tension of full-size threaded fasteners

FA/308 SAE J174

Twist test of lock washers

FA/678 JIS B1251

Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)

FA/571 JIS Z2244

Wedge tensile strength of full-size threaded fasteners

FA/575 JIS B1051 Sec. 4.2.3

Yield strength of full-size externally threaded fasteners

FA/686 JIS B1051 Sec. 4.2.2

Metallography

Decarburization and case depth measurement in fasteners

FA/645 JIS B1051

Determination of grain size of fasteners

FA/700 JIS G0551

Microscopic examination of fasteners by etching

FA/512 ASTM E407

Surface discontinuities of externally threaded fasteners

FA/702 SAE J123

Surface discontinuities of internally threaded fasteners

FA/703 SAE J122

Nondestructive Inspection

(See 'How To Use This Directory' on page 7.)

Magnetic particle inspection of fasteners

FA/701 JIS G0565

NVLAP LAB CODE 200198-0

IBM Yamato EMC Engineering

1623-14, Shimotsuruma
Yamato Kanagawa 242
JAPAN
Contact: Mr. Akihisa Sakurai
Phone: 81-462-73-2613
Fax: 81-462-73-7420

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200199-0

NAWCWPNS EMI Lab, China Lake/Pt. Mugu, CA

Commander, NAWCWPNS Division
1 Administration Circle, Code 473140D
China Lake, CA 93555-6001
Contact: Mr. S. N. Tanner
Phone: 619-939-4669
Fax: 619-939-1065

MIL-STD-462 Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Conducted Emissions:

12/A01 MIL-STD-462 Method CE01
12/A04 MIL-STD-462 Method CE02
12/A06 MIL-STD-462 Method CE03
12/A08 MIL-STD-462 Method CE04
12/A10 MIL-STD-462 Method CE06
12/A12 MIL-STD-462 Method CE07

Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01
12/B02 MIL-STD-462 Method CS02
12/B05 MIL-STD-462 Method CS06

Radiated Emissions:

12/D01 MIL-STD-462 Method RE01
12/D02 MIL-STD-462 Method RE02

Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01
12/E02 MIL-STD-462 Method RS02
12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)
12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)
12/E05 MIL-STD-462 Method RS05

NVLAP LAB CODE 200200-0

IBM RTP IPCC EMC Test Labs

3039 Cornwallis Road
Research Triangle Park, NC 27709-2195
Contact: Mr. William T. Seiberling
Phone: 919-543-7368
Fax: 919-543-8324

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

NVLAP LAB CODE 200201-0

Intertek Testing Services

1365 Adams Court
Menlo Park, CA 94025
Contact: Mr. C. K. Li
Phone: 415-463-2922
Fax: 415-463-2910

URL: http://www.worldlab.com

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS-3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

(See 'How To Use This Directory' on page 7.)

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200202-0

NOVA Machine Products

18001 Sheldon Road
Middleburg Heights, OH 44130-2471
Contact: Mr. David Nenstiel
Phone: 216-267-3200
Fax: 216-267-8515

Fasteners & Metals

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis

FA/457 ASTM E415
FA/459 ASTM E1086

Spot test analysis

FA/748 Alloy Detector Mark II

Dimensional Inspection

Dimensions of ISO grade A and B fasteners

FA/738 ISO 4014
FA/739 ISO 4017
FA/740 ISO 4032

Dimensions of ISO grade C fasteners

FA/741 ISO 4016
FA/742 ISO 4018
FA/743 ISO 4034

Dimensions of fasteners - bearing surface requirements

FA/745 ANSI B18.2.1
FA/746 ASME/ANSI B18.2.2
FA/747 ASME/ANSI B18.3

Dimensions of fasteners - flange screw heads and flange nuts

FA/744 ANSI B18.2.1

Dimensions of fasteners - gaging for slotted nuts

FA/417 ANSI/ASME B18.2.2

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets

FA/411 ANSI/ASME B18.3

Dimensions of fasteners - straightness

FA/423 ANSI/ASME B18.2.1

Dimensions of general purpose fasteners and high-volume machine assembly fasteners

FA/403 ANSI/ASME B18.18.1M
FA/404 ANSI/ASME B18.18.2M

Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap

FA/405 ANSI/ASME B18.18.3M
FA/406 ANSI/ASME B18.18.4M

External thread parameters - ISO

FA/728 ISO 68
FA/729 ISO 261
FA/730 ISO 262
FA/731 ISO 965-1
FA/732 ISO 965-2

External thread parameters - system 21

FA/379 ANSI/ASME B1.3M

External thread parameters - system 22

FA/381 ANSI/ASME B1.3M

External thread parameters - system 23

FA/385 ANSI/ASME B1.3M

Internal thread parameters - ISO

FA/733 ISO 68
FA/734 ISO 261
FA/735 ISO 262
FA/736 ISO 965-1
FA/737 ISO 965-2

Internal thread parameters - system 21

FA/391 ANSI/ASME B1.3M

Internal thread parameters - system 22

FA/393 ANSI/ASME B1.3M

Internal thread parameters - system 23

FA/397 ANSI/ASME B1.3M

Surface texture

FA/439 ANSI/ASME B46.1

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners

FA/265 ASTM A370 Sec. A3.2.1.4
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/273 SAE J429
FA/274 SAE J1216
FA/687 ISO 6892

Compression load of compressible-washer-type direct tension indicators

FA/312 ASTM F959

Cone proof load of internally threaded fasteners (nuts)

FA/220 ASTM F606 Sec. 4.3

Embrittlement test of washers

FA/313 ASME B18.21.1

Hydrogen embrittlement (stress durability) of externally threaded fasteners

FA/176 MIL-STD-1312-5A

Hydrogen embrittlement (stress durability) of internally threaded fasteners

FA/178 MIL-STD-1312-14

Proof load of full-size externally threaded fasteners

FA/225 ASTM A370 Sec. A3.2.1.1-A3.2.1.3
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/229 SAE J429 Sec. 5.3
FA/230 SAE J1216 Sec. 3.3

Proof load of internally threaded fasteners (nuts)

FA/235 ASTM A370 Sec. A3.5.1
FA/236 ASTM F606 Sec. 4.2
FA/241 SAE J995 Sec. 5.1

(See 'How To Use This Directory' on page 7.)

Recovery test of washers
FA/726 ASME/ANSI B18.21.I
Rockwell hardness of fasteners
FA/196 ASTM A370 Sec. 18
FA/I97 ASTM E18
FA/200 ISO 6508
FA/202 SAE J417
FA/482 ASTM F606 Sec. 4.1 (Internally Threaded Fasteners)
Rockwell superficial hardness of fasteners
FA/205 ASTM E18
FA/206 ASTM A370 Sec. 18
FA/210 SAE J417
FA/637 ASTM F606
Temper test of lock washers
FA/319 ASME B18.21.1
Tension testing of machined specimens from externally threaded fasteners
FA/278 ASTM A370
FA/279 ASTM F606 Sec. 3.6
FA/283 SAE J429
FA/475 ASTM E8
FA/580 ISO 6892
Test for embrittlement of metallic coated externally threaded fasteners
FA/179 ASTM F606 Sec. 7
FA/724 ASTM A143
Torque-tension of full-size threaded fasteners
FA/307 MIL-STD-1312-15
Total extension at fracture of externally threaded fasteners
FA/285 ASTM F606 Sec. 3.7
FA/725 ISO 6892
Twist test of lock washers
FA/321 ASME B18.21.1
Wedge tensile strength of full-size threaded fasteners
FA/289 ASTM A370
FA/290 ASTM F606 Sec. 3.5
FA/468 SAE J429 Sec. 5.5
FA/469 SAE J1216 Sec. 3.6
FA/688 ISO 6892

Metallography

Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
FA/359 ISO 6157-1
FA/360 ISO 6157-3
FA/702 SAE J123
Surface discontinuities of internally threaded fasteners
FA/363 ASTM F812
FA/365 SAE J122a
FA/727 ISO 6157-2

NVLAP LAB CODE 200203-0

Fuji Buhin Kogyo Kabushiki Kaisha

47-I Fujikura-Cho
Ohta Gunma 373
JAPAN
Contact: Mr. Shinji Kanai
Phone: 276-31-2311
Fax: 276-31-9621

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Internal thread parameters - system 21
FA/621 JIS B0251
FA/622 JIS B0252
FA/623 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
Measurement of fastener coating thickness - coulometric method
FA/597 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Prevailing torque
FA/600 JIS B1056
Proof load of internally threaded fasteners (nuts)
FA/601 JIS B1052
Rockwell hardness of fasteners
FA/572 JIS Z2245
Salt spray testing of fasteners
FA/569 JIS Z2371
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3

NVLAP LAB CODE 200204-0

EMSL Analytical, Inc.

19595 NE 10th Ave., Bay C
N. Miami Beach, FL 33179
Contact: Ms. Kimberly A. Wallace
Phone: 305-650-0577
Fax: 305-650-0578

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: March 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: March 31, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200205-0

Sannohashi Corporation
1218 Ohsone
Yashioshi, Saitama-ken 340
JAPAN
Contact: Mr. Takeru Nagashima,
Phone: 011-81-3-3890-4101
Fax: 011-81-3-3854-5761

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
Measurement of fastener coating thickness - eddy-current method
FA/618 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Rockwell hardness of fasteners
FA/572 JIS Z2245
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3

NVLAP LAB CODE 200207-0

Kansai Electronic Industry Development Center, Ikoma Testing Lab.
10630 Takayama-cho
Ikoma Nara 630-01
JAPAN
Contact: Mr. Tadayoshi Sakabe
Phone: 0743-78-0283
Fax: 0743-79-1014

FCC Test Methods
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS/NZS 3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200208-0

Ingersoll Fasteners
390 Thomas Street
Ingersoll Ontario N5C 3K3
CANADA
Contact: Mr. Alan Palmer
Phone: 519-485-4610
Fax: 519-485-2435

Fasteners & Metals
Accreditation Valid Through: June 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/404 ANSI/ASME B18.18.2M
External thread parameters - system 21
FA/379 ANSI/ASME B1.3M
Internal thread parameters - system 21
FA/391 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/273 SAE J429
FA/578 SAE J1216 Sec. 3.5
Cone proof load of internally threaded fasteners (nuts)
FA/220 ASTM F606 Sec. 4.3
Measurement of fastener coating thickness - magnetic methods
FA/153 ASTM B499
Microhardness of fasteners
FA/189 ASTM E384
Proof load of full-size externally threaded fasteners
FA/229 SAE J429 Sec. 5.3
FA/577 SAE J1216 Sec. 3.3
Proof load of internally threaded fasteners (nuts)
FA/241 SAE J995 Sec. 5.1
Rockwell hardness of fasteners
FA/197 ASTM E18
Rockwell superficial hardness of fasteners
FA/205 ASTM E18
Salt spray testing of fasteners
FA/166 ASTM B117
Wedge tensile strength of full-size threaded fasteners
FA/468 SAE J429 Sec. 5.5
FA/579 SAE J1216 Sec. 3.6

(See 'How To Use This Directory' on page 7.)

Metallography

Decarburization and case depth measurement in fasteners
FA/328 SAE J121
Macroscopic examination of fasteners by etching
FA/337 SAE J1061a
Microscopic examination of fasteners by etching
FA/344 SAE J121
Surface discontinuities of externally threaded fasteners
FA/362 SAE J106Ia
Surface discontinuities of internally threaded fasteners
FA/363 ASTM F812

NVLAP LAB CODE 200210-0

Rightway Fasteners, Inc.
7945 South International Drive
Columbus, IN 47201-9329
Contact: Mr. Dennis Gray
Phone: 812-342-2700
Fax: 812-341-3500

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - flange screw heads and flange nuts
FA/690 JIS B1071
Dimensions of fasteners - straightness
FA/648 JIS B107I
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners
FA/595 JIS H8504
Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
Measurement of fastener coating thickness - weight of coating
FA/6I9 JIS H8501
Rockwell hardness of fasteners
FA/572 JIS Z2245
Salt spray testing of fasteners
FA/569 JIS Z237I
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS BI05I Sec. 4.2.3

NVLAP LAB CODE 200212-0

Sundram Fasteners Limited (Inhouse test laboratory)
Padi
Chennai (Madras), Tamil, Nadh 600 050
INDIA
Contact: Mr. K. V. Krishnamurthy
Phone: 9I-44-852-1870
Fax: 9I-44-853-5435

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis
FA/457 ASTM E415

Dimensional Inspection

Dimensions of ISO grade A and B fasteners
FA/408 ISO 4759/1
Dimensions of ISO grade C fasteners
FA/410 ISO 4759/1
Dimensions of fasteners - flange screw heads and flange nuts
FA/669 ISO 416I
FA/670 ISO 4162
Dimensions of fasteners - gaging for slotted nuts
FA/667 ISO 4759/I
Dimensions of fasteners - straightness
FA/668 ISO 4759/1
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/665 ISO 4759/I
Dimensions of special purpose fasteners and fasteners for highly specialized engineered ap
FA/666 ISO 4759/1
External thread parameters - ISO
FA/390 ISO 1502
External thread parameters - SAE fastener with MJ metric screw threads
FA/389 SAE MA1566
FA/661 ISO 4759/1
FA/662 ISO 1502
External thread parameters - system 21
FA/659 ISO 4759/1
FA/660 ISO 1502
Internal thread parameters - ISO
FA/402 ISO I502
FA/664 ISO 4759/1
Internal thread parameters - SAE fastener with MJ metric screw threads
FA/663 ISO I502

Mechanical and Physical Testing and Inspection

(See 'How To Use This Directory' on page 7.)

Axial tensile strength of full-size threaded fasteners
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/270 ISO 898-1 Sec. 8.2
FA/273 SAE J429
FA/274 SAE J1216
Brinell hardness of fasteners
FA/466 ISO 6506
Cone proof load of internally threaded fasteners (nuts)
FA/220 ASTM F606 Sec. 4.3
FA/221 ASTM F606M Sec. 4.3
FA/223 SAE J122a Sec. 4.3
Microhardness of fasteners
FA/657 ASTM E92
Prevailing torque
FA/217 IFI-100/107
FA/218 ISO 2320
Proof load of full-size externally threaded fasteners
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/228 ISO 898-1 Sec. 8.4
FA/229 SAE J429 Sec. 5.3
FA/230 SAE J1216 Sec. 3.3
FA/467 ASTM F606M Sec. 3.2.1-3.2.3
Proof load of internally threaded fasteners (nuts)
FA/236 ASTM F606 Sec. 4.2
FA/237 ASTM F606M Sec. 4.2
FA/239 ISO 898-2 Sec. 8.1
FA/240 ISO 898-6 Sec. 8.1
FA/241 SAE J995 Sec. 5.1
Rockwell hardness of fasteners
FA/197 ASTM E18
FA/200 ISO 6508
Salt spray testing of fasteners
FA/166 ASTM B117
Tension testing of machined specimens from externally threaded fasteners
FA/279 ASTM F606 Sec. 3.6
FA/280 ASTM F606M Sec. 3.6
FA/282 ISO 898-1
FA/283 SAE J429
FA/284 SAE J1216
Torque-tension of full-size threaded fasteners
FA/306 IFI-101
FA/308 SAE J174
Total extension at fracture of externally threaded fasteners
FA/285 ASTM F606 Sec. 3.7
FA/286 ASTM F606M Sec. 3.7
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/658 ISO 6507/1
Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5
FA/291 ASTM F606M Sec. 3.5
FA/294 ISO 898-1 Sec. 8.5
FA/468 SAE J429 Sec. 5.5
FA/469 SAE J1216 Sec. 3.6
Yield strength of full-size externally threaded fasteners
FA/298 ASTM F606 Sec. 3.2.4
FA/300 ASTM F606M Sec. 3.2.4

Metallography

Decarburization and case depth measurement in fasteners
FA/323 ASTM E1077
FA/328 SAE J121
FA/329 SAE J419
FA/330 SAE J423
Determination of grain size of fasteners
FA/331 ASTM E112
FA/333 SAE J418
Macroscopic examination of fasteners by etching
FA/334 ISO 6157-1
FA/335 ISO 6157-3
FA/336 SAE J123c
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
FA/358 ASTM F788M
FA/359 ISO 6157-1
FA/361 SAE J123c
Surface discontinuities of internally threaded fasteners
FA/363 ASTM F812
FA/364 ASTM F812M
FA/365 SAE J122a

Nondestructive Inspection

Magnetic particle inspection of fasteners
FA/374 ASTM E709
FA/378 SAE J420

NVLAP LAB CODE 200213-0

Aoyama Fastener Laboratory
1-8 Takahashi, Ohguchi-cho
Niwa-gun, Aichi Prefecture 480-01
JAPAN
Contact: Mr. Masayoshi Miyachi
Phone: 0587-95-1160
Fax: 0587-95-1939

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
FA/675 JIS B1012
Surface texture
FA/650 JIS B1071

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners
FA/595 JIS H8504
Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2

(See 'How To Use This Directory' on page 7.)

Measurement of fastener coating thickness - coulometric method
FA/597 JIS H8501
Measurement of fastener coating thickness - eddy-current method
FA/618 JIS H8501
Measurement of fastener coating thickness - microscopical method
FA/640 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Proof load of internally threaded fasteners (nuts)
FA/601 JIS B1052
Rockwell hardness of fasteners
FA/572 JIS Z2245
FA/683 JIS B1052
FA/707 JIS B1051 Sec. 4.2.5
Salt spray testing of fasteners
FA/598 JIS H8502
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244
FA/643 JIS B1051 Sec. 4.2.5
FA/684 JIS B1052
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3
FA/685 JIS D4604 Sec. 7.7(1)
Yield strength of full-size externally threaded fasteners
FA/686 JIS B1051 Sec. 4.2.2

Metallography

Decarburization and case depth measurement in fasteners
FA/645 JIS B1051

NVLAP LAB CODE 200214-0

Underwriters Laboratories Inc.

2600 N.W. Lake Road
Camas, WA 98607-8542
Contact: Mr. J. R. Beyreis
Phone: 847-272-8800
Fax: 847-272-8129

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51 AS/NZS 3548
Federal Communications Commission (FCC) Methods
12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods
12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200215-0

Sumitomo Metal Technology, Inc. Kokura Division

1, Konomi-machi, Kokurakita-ku
Kitakyushu 802
JAPAN
Contact: Mr. Masanao Nakamura
Phone: 093-581-3289
Fax: 093-561-8099

Fasteners & Metals

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Chemical Analysis

Combustion analysis for carbon, sulfur, oxygen, nitrogen, and hydrogen
FA/586 JIS G1211
FA/587 JIS G1215
Optical emission spectrochemical analysis
FA/588 JIS G1253
FA/681 JIS G1258
Solution chemical analysis
FA/680 JIS G1227

NVLAP LAB CODE 200216-0

Battelle - Pacific Northwest National Laboratory

Battelle Boulevard
P.O. Box 999
Richland, WA 99352-4553
Contact: Mr. Jack J. Fix
Phone: 509-375-2512
Fax: 509-373-0167

Ionizing Radiation Dosimetry

Accreditation Valid Through: September 30, 1998

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing the Harshaw automatic reader model 8800 and manual reader model 6600.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI HPS N13.11-1993 and ANSI HPS N13.32-1995 through testing.

(See 'How To Use This Directory' on page 7.)

Harshaw Card 7776 (15, 15, 6, 15) in a Type 8825 holder for ANSI-N13.11 categories I, II, IIIA, IIIB, IV, VC, VI, VII, VIII.

Harshaw Combo 7777-7666 in a 8816 and 8825 model holder for ANSI-N13.11 category VIII.

Harshaw extremity TLD XD-740 in a finger ring holder for ANSI HPS N13.32 (NIST Handbook 150-4, Table 2) categories I, II, IIIA, IVA, VC.

NVLAP LAB CODE 200217-0

Tokin EMC Engineering Co., Ltd. Kawasaki Facility

398, Shiboguchi Takatsu-ku
Kawasaki-city, Kanagawa 213
JAPAN
Contact: Mr. Hiro Shida
Phone: 81-298-37-2400
Fax: 81-298-37-2401

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200218-0

Tokin EMC Engineering Co., Ltd. Osaka Testing Laboratory

49, Aza-Miyanowaki, Sakai
Sanda-city, Hyogo 669-14
JAPAN
Contact: Mr. Motoji Nakai
Phone: 81-795-69-1290
Fax: 81-795-69-0079

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200219-0

Tokin EMC Engineering Co., Ltd. Nagoya Testing Laboratory

1684, Nishinoda, Nyugawakami
Daian-cho, Inabe-gun, Mie 511-02
JAPAN
Contact: Mr. Masa Hirai
Phone: 81-594-78-2730
Fax: 81-594-78-2779

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200220-0

Korea Tokin EMC Engineering Co., Ltd.

820-2, Wolmoon-Ri, WaBu-up
Namyangju-si, Kyunggi-Do
KOREA
Contact: Mr. Charlies Park
Phone: 82-346-576-2204
Fax: 82-346-576-2205

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200221-0

Tokin EMC Engineering Co., Ltd. Tsukuba Testing Laboratory

28-1, Aza-Kitahara
Ohaza- Hanashimashinden
Tsukuba-city, Ibaraki 305
JAPAN
Contact: Mr. Hira Shida
Phone: 81-298-37-2400
Fax: 81-298-37-2401

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
	Australian Standards referred to by clauses in AUSTEL Technical Standards
12/T51	AS/NZS 3548
	Federal Communications Commission (FCC) Methods
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
	International Special Committee on Radio Interference (CISPR) Methods
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200222-0

NAWC-Aircarft Div. Lakehurst Electromagnetic Interference Lab.

Highway 547, 355-2, Code 48L500B
Lakehurst, NJ 08733-5100
Contact: Mr. Richard Howlett
Phone: 908-323-2951
Fax: 908-323-1464
E-Mail: howletrm@lakehurst.navy.mil

MIL-STD-462 Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
	Conducted Emissions:
12/A01	MIL-STD-462 Method CE01
12/A04	MIL-STD-462 Method CE02
12/A06	MIL-STD-462 Method CE03
12/A12	MIL-STD-462 Method CE07
	Conducted Susceptibility:
12/B01	MIL-STD-462 Method CS01
12/B02	MIL-STD-462 Method CS02
12/B05	MIL-STD-462 Method CS06
12/B08	MIL-STD-462 Method CS10
12/B09	MIL-STD-462 Method CS11
	Radiated Emissions:
12/D01	MIL-STD-462 Method RE01
12/D02	MIL-STD-462 Method RE02
	Radiated Susceptibility:
12/E01	MIL-STD-462 Method RS01
12/E02	MIL-STD-462 Method RS02
12/E04	MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing (Consult laboratory for field strengths available)

NVLAP LAB CODE 200223-0

Metallic Material Laboratory in Toyota Motor Co.

Quality Division
1 Toyota-cho
Toyota city Aichi 471-71
JAPAN
Contact: Mr. Toji Sakota
Phone: 0565-23-3500
Fax: 0565-23-5730

(See 'How To Use This Directory' on page 7.)

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - flange screw heads and flange nuts
FA/690 JIS B1071
Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets
FA/689 JIS B1071
Dimensions of fasteners - straightness
FA/648 JIS B1071
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
External thread parameters - system 21
FA/647 JIS B1071
Internal thread parameters - system 21
FA/623 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
Measurement of fastener coating thickness - magnetic methods
FA/596 JIS H8501
Measurement of fastener coating thickness - microscopical method
FA/640 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Proof load of internally threaded fasteners (nuts)
FA/601 JIS B1052
Salt spray testing of fasteners
FA/598 JIS H8502
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244
FA/643 JIS B1051 Sec. 4.2.5
FA/684 JIS B1052
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3

Metallography

Decarburization and case depth measurement in fasteners
FA/645 JIS B1051

NVLAP LAB CODE 200224-0

Northwestern Steel and Wire Company
121 Wallace Street
Sterling, IL 61081
Contact: Mr. Robert C. Olson
Phone: 815-625-2500
Fax: 815-625-0227

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis
FA/457 ASTM E415

NVLAP LAB CODE 200226-0

Sugiura Seisakusho Co., Ltd.
22, Miyakoshi, Terazu-cho
Nishio Aichi 444-03
JAPAN
Contact: Mr. Shigemitsu Shibata
Phone: 0563-59-0728
Fax: 0563-59-0744

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - gaging for slotted nuts
FA/698 JIS B1170
FA/721 JIS B1071
External thread parameters - ISO
FA/676 JIS B1071
Internal thread parameters - ISO
FA/720 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
Measurement of fastener coating thickness - X-ray methods
FA/641 JIS H8501
Prevailing torque
FA/600 JIS B1056
Proof load of internally threaded fasteners (nuts)
FA/601 JIS B1052
Rockwell hardness of fasteners
FA/572 JIS Z2245
Salt spray testing of fasteners
FA/598 JIS H8502

(See 'How To Use This Directory' on page 7.)

Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244
FA/643 JIS B1051 Sec. 4.2.5
FA/684 JIS B1052
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3

Metallography

Surface discontinuities of externally threaded fasteners
FA/603 JIS B1043
FA/646 JIS B1041
Surface discontinuities of internally threaded fasteners
FA/604 JIS B1042

NVLAP LAB CODE 200227-0

Owari Precise Products Co., Ltd.
148 2-chome, Yada-cho, Higashi-ku
Nagoya 461
JAPAN
Contact: Mr. Katsumi Suzuki
Phone: 052-721-7131
Fax: 052-723-2966

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
FA/675 JIS B1012
Surface texture
FA/650 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
Measurement of fastener coating thickness - X-ray methods
FA/641 JIS H8501
Measurement of fastener coating thickness - microscopical method
FA/640 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Prevailing torque
FA/600 JIS B1056
Proof load of full-size externally threaded fasteners
FA/573 JIS B1051 Sec. 4.2.4
Proof load of internally threaded fasteners (nuts)
FA/601 JIS B1052
FA/713 JIS B1056
Rockwell hardness of fasteners
FA/572 JIS Z2245
Salt spray testing of fasteners
FA/569 JIS Z2371
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/571 JIS Z2244
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3
Yield strength of full-size externally threaded fasteners
FA/714 JIS Z2241

Metallography

Decarburization and case depth measurement in fasteners
FA/645 JIS B1051
Surface discontinuities of externally threaded fasteners
FA/603 JIS B1043
FA/646 JIS B1041
Surface discontinuities of internally threaded fasteners
FA/604 JIS B1042

NVLAP LAB CODE 200228-0

Oak Ridge National Laboratory
Bethel Valley Road
P.O. Box 2008
Oak Ridge, TN 37831-6292
Contact: Mr. Brian A. Jerome
Phone: 423-574-6167
Fax: 423-576-5070

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200230-0

Wolverine Plating Corp.
29456 Groesbeck Highway
Roseville, MI 48066-1943
Contact: Mr. Kenneth Wrobel
Phone: 810-771-5000
Fax: 810-771-5830

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Mechanical and Physical Testing and Inspection

Adhesion of metallic coatings on fasteners
FA/143 ASTM B571
Measurement of fastener coating thickness - X-ray methods
FA/556 ASTM B568
Salt spray testing of fasteners
FA/166 ASTM B117

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200232-0

EMSL Analytical, Inc.
159 Pasadena Avenue
S. Pasadena, CA 91030
Contact: Ms. Cristina E. Tabatt
Phone: 213-254-9960
Fax: 213-254-9982

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200234-0

International Standards Laboratory
21, Alley 37, Lane 122, Sec. 2
Hsiwan Road
Hsichih Chen, Taipei 221
TAIWAN
Contact: Mr. Jammy Chen
Phone: 886-2-6462550
Fax: 886-2-6464641

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/C1S22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200236-0

Accredited Environmental Technologies, Inc.
State Road 1426
Leland, NC 28451
Contact: Mr. Peter J. Burke
Phone: 910-371-4620
Fax: 910-371-4908

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: September 30, 1998

NVLAP LAB CODE 200237-0

Compliance Test Laboratories, Inc.
137 Airport Road
P.O. Box 120
Liberty, SC 29657
Contact: Mr. Pryor McGinnis
Phone: 864-843-1604
Fax: 864-843-1812

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T50	AS/NZS 3260
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/C1S22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200240-0

Cam Environmental
312 South Richey Street
Pasadena, TX 77506-1059
Contact: Ms. Julia A. Terrell,
Phone: 713-475-9003
Fax: 713-472-2117

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200242-0

Topura Co., Ltd. Osaka
4-10-2 Kisabe-Minami
Katano 576 Osaka
JAPAN
Contact: Mr. Katsuzo Fujihira
Phone: 0463-82-4179
Fax: 0463-82-6169

Fasteners & Metals
Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
FA/675 JIS B1012
FA/682 JASO F116
External thread parameters - ISO
FA/676 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
FA/672 JIS B1054
Embrittlement test of washers
FA/673 JIS B1252
Measurement of fastener coating thickness - eddy-current method
FA/618 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Recovery test of washers
FA/674 JIS B1252
FA/677 JIS B1251
Rockwell hardness of fasteners
FA/707 JIS B1051 Sec. 4.2.5
Salt spray testing of fasteners
FA/598 JIS H8502
Twist test of lock washers
FA/678 JIS B1251
Wedge tensile strength of full-size threaded fasteners
FA/575 JIS B1051 Sec. 4.2.3

Metallography

Decarburization and case depth measurement in fasteners
FA/645 JIS B1051
Surface discontinuities of externally threaded fasteners
FA/603 JIS B1043
FA/646 JIS B1041

NVLAP LAB CODE 200243-0

Topura Co., Ltd. Tokai
2158-96 Umiyama, Shinden Aza Shiobara
Hamaoka-cho
Ogasagun 437-16 Shizuoka
JAPAN
Contact: Mr. Katsuzo Fujihira
Phone: 0463-82-4179
Fax: 0463-82-6169

Fasteners & Metals
Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/607 JIS B1071
FA/675 JIS B1012
FA/682 JASO F116
External thread parameters - ISO
FA/676 JIS B1071

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/574 JIS B1051 Sec. 4.2.2
FA/672 JIS B1054
Embrittlement test of washers
FA/673 JIS B1252
Measurement of fastener coating thickness - eddy-current method
FA/618 JIS H8501
Measurement of fastener coating thickness - weight of coating
FA/619 JIS H8501
Microhardness of fasteners
FA/620 JIS Z2244
Recovery test of washers
FA/674 JIS B1252
FA/677 JIS B1251

(See 'How To Use This Directory' on page 7.)

Rockwell hardness of fasteners

FA/707 JIS B1051 Sec. 4.2.5

Salt spray testing of fasteners

FA/598 JIS H8502

Twist test of lock washers

FA/678 JIS B1251

Wedge tensile strength of full-size threaded fasteners

FA/575 JIS B1051 Sec. 4.2.3

Metallography

Decarburization and case depth measurement in fasteners

FA/645 JIS B1051

Surface discontinuities of externally threaded fasteners

FA/603 JIS B1043

FA/646 JIS B1041

NVLAP LAB CODE 200244-0

Oak Ridge National Laboratory Electric Machinery Center

P.O. Box 2009
Oak Ridge, TN 37831-8038
Contact: Mr. John Kueck
Phone: 423-576-4454
Fax: 423-576-0493

Efficiency of Electric Motors

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
24/M01	IEEE 112, Method B

NVLAP LAB CODE 200245-0

RheinTexas, Inc.

1701 East Plano Parkway, Suite 150
Plano, TX 75074-8127
Contact: Mr. Murrell Waldron
Phone: 972-509-2566
Fax: 972-509-0073

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200246-0

Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
Contact: Mr. James R. Beyreis
Phone: 847-272-8800
Fax: 847-272-8129

FCC Test Methods

Accreditation Valid Through: June 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200247-0

EMSL Analytical, Inc.

4037 E. Independence Blvd., Suite 525
Charlotte, NC 28205
Contact: Mr. Ronald K. Mahoney
Phone: 704-567-1521
Fax: 704-567-1394

Bulk Asbestos Analysis (PLM)

Accreditation Valid Through: June 30, 1998

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200249-0

Quest MicroAnalytics, Inc.
2530 Electronic Lane, Suite 712
Dallas, TX 75220-1229
Contact: Ms. Jennifer Jaber
Phone: 214-351-4441
Fax: 214-351-4487

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200250-0

ATC Associates, Inc.
8989 Herrmann Drive
Columbia, MD 21045-4710
Contact: Dr. Bharatha Lakshmi
Phone: 410-381-0232
Fax: 410-381-8908
E-Mail: atccolum@erols.com

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: June 30, 1998

NVLAP LAB CODE 200251-0

Storagtek Open Area Test Site
2270 So. 88th Street, MS-9172
Louisville, CO 80028-9172
Contact: Mr. Robert B. Reinert
Phone: 303-673-6256
Fax: 303-661-6717
E-Mail: reinerb@louisville.stortek.com

FCC Test Methods
Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200252-0

Underwriters Laboratories
1655 Scott Blvd.
Santa Clara, CA 95050
Contact: Mr. James R. Beyreis
Phone: 847-272-8800
Fax: 847-272-8129

FCC Test Methods
Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
AUSTEL Technical Standards as determined under the Telecommunications Act of 1991	
12/T41	TS-001
12/T42	TS-002
12/T44	TS-004
12/T45	TS-006
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T50	AS/NZS 3260
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
12/T01	Terminal Equipment Network Protection Standards, FCC Method - 47 CFR Part 68 - Analog and Digital
12/T01a	68.302 (Par. c,d,e,f) Environmental simulation; 68.304 Leakage current limit.; 68.306 Hazardous voltage limit.; 68.308 Signal power limit.; 68.310 Longitudinal balance limit.; 68.312 On-hook impedance limit.; 68.314 Billing protection
12/T01b	68.316 Hearing Aid Compatibility: technical standards
12/T01c	68.302 Environmental simulation (Par. a,b)
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200253-0

CBS Fasteners, Inc.
1345 N. Brasher Street
Anaheim, CA 92807
Contact: Mr. Bill Sisler
Phone: 714-779-6368
Fax: 714-779-0934

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets
FA/411 ANSI/ASME B18.3
Dimensions of fasteners - straightness
FA/423 ANSI/ASME B18.2.1
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/404 ANSI/ASME B18.18.2M
External thread parameters - system 22
FA/382 FED-STD-H28/20A
Surface texture
FA/439 ANSI/ASME B46.1

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/271 MIL-STD-1312-8A
Double shear of externally threaded fasteners
FA/257 MIL-STD-1312-13
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/176 MIL-STD-1312-5A
Magnetic permeability
FA/214 ASTM A342 Test Method 3
Measurement of fastener coating thickness - microscopical method
FA/163 MIL-STD-1312-12
Microhardness of fasteners
FA/193 MIL-STD-1312-6
Recess strength test in both the installation and removal directions
FA/476 MIL-STD-1312-25
Rockwell hardness of fasteners
FA/201 MIL-STD-1312-6
Rockwell superficial hardness of fasteners
FA/209 MIL-STD-1312-6
Vickers hardness - test forces from 9.807 to 1176 N (1 to 120 kgf)
FA/671 MIL-STD-1312-6
Wedge tensile strength of full-size threaded fasteners
FA/295 MIL-STD-1312-8A

Metallography

Decarburization and case depth measurement in fasteners
FA/330 SAE J423
FA/483 ASTM A574 Sec. 12
Determination of grain size of fasteners
FA/638 ASTM E112
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
FA/651 ASTM F788/788M
Microscopic examination of fasteners by etching
FA/341 ASTM E1077
FA/345 ASTM F788
FA/346 ASTM F788M
FA/351 ASTM E112
FA/512 ASTM E407
FA/552 ASTM E3
FA/679 ASTM A574
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
FA/358 ASTM F788M

NVLAP LAB CODE 200254-0

Vermont Fasteners Manufacturing
50 Jonergin Drive
P.O. Box 50
Swanton, VT 05488-0050
Contact: Mr. Peter F. Kasper
Phone: 802-868-3663
Fax: 802-868-2089

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - straightness
FA/423 ANSI/ASME B18.2.1
Dimensions of general purpose fasteners and high-volume machine assembly fasteners
FA/403 ANSI/ASME B18.18.1M
FA/404 ANSI/ASME B18.18.2M
FA/494 ANSI B18.2.1
External thread parameters - system 21
FA/379 ANSI/ASME B1.3M
External thread parameters - system 22
FA/381 ANSI/ASME B1.3M
Internal thread parameters - system 21
FA/391 ANSI/ASME B1.3M
Internal thread parameters - system 22
FA/393 ANSI/ASME B1.3M

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/265 ASTM A370 Sec. A3.2.1.4
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/273 SAE J429

(See 'How To Use This Directory' on page 7.)

Brinell hardness of fasteners
FA/185 ASTM A370 Sec. 16
FA/186 ASTM E10
Cone proof load of internally threaded fasteners (nuts)
FA/219 ASTM F812/F812/M
FA/220 ASTM F606 Sec. 4.3
FA/655 ASTM A194
Measurement of fastener coating thickness - eddy-current method
FA/149 ASTM E376
Microhardness of fasteners
FA/653 ASTM F606
FA/654 SAE J121
Proof load of full-size externally threaded fasteners
FA/225 ASTM A370 Sec. A3.2.1.1-A3.2.1.3
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/467 ASTM F606M Sec. 3.2.1-3.2.3
Proof load of internally threaded fasteners (nuts)
FA/235 ASTM A370 Sec. A3.5.1
FA/236 ASTM F606 Sec. 4.2
FA/237 ASTM F606M Sec. 4.2
Rockwell hardness of fasteners
FA/196 ASTM A370 Sec. 18
FA/197 ASTM E18
Rockwell superficial hardness of fasteners
FA/205 ASTM E18
FA/206 ASTM A370 Sec. 18
Rotational capacity of full-size fasteners
FA/243 ASTM A325
FA/245 ASTM A563
Wedge tensile strength of full-size threaded fasteners
FA/289 ASTM A370
FA/290 ASTM F606 Sec. 3.5
FA/291 ASTM F606M Sec. 3.5
FA/468 SAE J429 Sec. 5.5

Metallography

Decarburization and case depth measurement in fasteners
FA/328 SAE J121
Macroscopic examination of fasteners by etching
FA/336 SAE J123c
FA/337 SAE J1061a
FA/651 ASTM F788/788M
Microscopic examination of fasteners by etching
FA/344 SAE J121
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
FA/361 SAE J123c
FA/362 SAE J1061a
FA/652 ASTM A490
Surface discontinuities of internally threaded fasteners
FA/363 ASTM F812
FA/365 SAE J122a

Nondestructive Inspection

Magnetic particle inspection of fasteners
FA/374 ASTM E709

NVLAP LAB CODE 200256-0

Sundram Fasteners Limited Chemical Testing Laboratory

Bonthapally Village, Medak District
Andhra Pradesh 502 313
INDIA
Contact: Mr. K. V. Krishnamurthy
Phone: 91-44-8521870
Fax: 91-44-853-5435

Fasteners & Metals
Accreditation Valid Through: September 30, 1998
NVLAP
Code *Designation*

Chemical Analysis

Optical emission spectrochemical analysis
FA/457 ASTM E415

NVLAP LAB CODE 200257-0

Asakawa Screw Co., Ltd. Kawawa Factory

1261 Nippa-cho Kohoku-ku
Yokohama 223
JAPAN
Contact: Mr. Tatsuhiko Asakawa
Phone: 045-531-1291
Fax: 045-543-7752

Fasteners & Metals
Accreditation Valid Through: December 31, 1998
NVLAP
Code *Designation*

Dimensional Inspection

Dimensions of fasteners - hexagon and double hexagon (12 point) and spline sockets
FA/697 JIS B1180
Internal thread parameters - ISO
FA/696 JIS B1181

Mechanical and Physical Testing and Inspection

Measurement of fastener coating thickness - X-ray methods
FA/641 JIS H8501
Salt spray testing of fasteners
FA/569 JIS Z2371

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200258-0

W.R. Grace & Co.

62 Whittemore Avenue
Cambridge, MA 02140
Contact: Mr. James A. Lee
Phone: 617-498-4394
Fax: 617-498-4360

Construction Materials Testing

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Aggregates	
02/A03	ASTM C29
02/A04	ASTM C40
02/A07	ASTM C117
02/A09	ASTM C127
02/A10	ASTM C128
02/A12	ASTM C136
02/A15	ASTM D75
02/A44	ASTM C566
Cement	
02/A17	ASTM C109
02/A21	ASTM C157
02/A23	ASTM C185
02/A26	ASTM C191
02/A27	ASTM C204
02/A30	ASTM C266
02/A31	ASTM C305
02/A32	ASTM C430
02/A33	ASTM C451
Concrete	
02/A01	ASTM C39
02/A40	ASTM C78
02/A41	ASTM C192
02/A43	ASTM C1064
02/A45	ASTM C42
02/A47	ASTM C457
02/G01	ASTM C31/C172/C143/C138/C231
02/G02	ASTM C173
Standard Practices	
02/A39	ASTM C1077

NVLAP LAB CODE 200259-0

PFU Technoconsul EMC Center

98-2 Nu, Unoke, Unoke-Machi, Kahoku-Gun
Ishikawa-Ken 929-11
JAPAN
Contact: Mr. Yasuo Koyama
Phone: 81-76-283-8600
Fax: 81-76-283-8601

FCC Test Methods

Accreditation Valid Through: December 31, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS-3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200260-0

Analab, LLC

P.O. Box 34
Spring Hill Road
Sterling, PA 18463
Contact: Mr. Paul Janecki
Phone: 717-689-3919
Fax: 717-689-3830
E-Mail: info@analab1.com
URL: http://www.analab1.com

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP Code	*Designation*
Australian Standards referred to by clauses in AUSTEL Technical Standards	
12/T51	AS/NZS 3548
Federal Communications Commission (FCC) Methods	
12/F01	FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a	Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b	Radiated Emissions
International Special Committee on Radio Interference (CISPR) Methods	
12/CIS22	IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200264-0

3V Fasteners Co. Inc. Testing Laboratory

1821 Railroad Street
Corona, CA 91720
Contact: Mr. Wayne C. Drysol
Phone: 909-734-4391
Fax: 909-734-0127
E-Mail: threev1@aol.com

Fasteners & Metals

Accreditation Valid Through: December 31, 1998

NVLAP Code *Designation*

Dimensional Inspection

Dimensions of fasteners - bearing surface requirements
FA/695 3V LTI-100-1
Dimensions of fasteners - straightness
FA/694 3V LTI-100-1
External thread parameters - SAE fastener with MJ metric screw threads
FA/693 FED-STD-H28/20A
External thread parameters - system 22
FA/382 FED-STD-H28/20A
External thread parameters - system 23
FA/386 FED-STD-H28/20A
Surface texture
FA/439 ANSI/ASME B46.1

Mechanical and Physical Testing and Inspection

Axial tensile strength of full-size threaded fasteners
FA/266 ASTM F606 Sec. 3.4.1-3.4.3
FA/271 MIL-STD-1312-8A
Double shear of externally threaded fasteners
FA/257 MIL-STD-1312-13
Hydrogen embrittlement (stress durability) of externally threaded fasteners
FA/176 MIL-STD-1312-5A
Magnetic permeability
FA/214 ASTM A342 Test Method 3
Measurement of fastener coating thickness - dimensional change method
FA/495 MIL-STD-1312-12
Measurement of fastener coating thickness - magnetic methods
FA/156 FED TM STD NO. 151b Method 520.1
Microhardness of fasteners
FA/193 MIL-STD-1312-6
Proof load of full-size externally threaded fasteners
FA/226 ASTM F606 Sec. 3.2.1-3.2.3
FA/691 MIL-STD-1312-8
Recess strength test in both the installation and removal directions
FA/476 MIL-STD-1312-25
Rockwell hardness of fasteners
FA/201 MIL-STD-1312-6
Rockwell superficial hardness of fasteners
FA/205 ASTM E18
Single shear of externally threaded fasteners
FA/256 MIL-STD-1312-20
Tension testing of machined specimens from externally threaded fasteners
FA/279 ASTM F606 Sec. 3.6
FA/526 MIL-STD-1312-8
Wedge tensile strength of full-size threaded fasteners
FA/290 ASTM F606 Sec. 3.5
FA/295 MIL-STD-1312-8A

Metallography

Decarburization and case depth measurement in fasteners
FA/483 ASTM A574 Sec. 12
FA/519 ASTM A574 M
FA/692 MIL-STD-1312-6
Macroscopic examination of fasteners by etching
FA/511 ASTM E340
FA/651 ASTM F788/788M
Microscopic examination of fasteners by etching
FA/341 ASTM E1077
FA/345 ASTM F788
FA/346 ASTM F788M
FA/351 ASTM E112
FA/512 ASTM E407
FA/552 ASTM E3
FA/679 ASTM A574
Surface discontinuities of externally threaded fasteners
FA/357 ASTM F788
FA/358 ASTM F788M

NVLAP LAB CODE 200265-0

R & D Services, Inc.

2594 West Broad Street
P.O. Box 2400
Cookeville, TN 38502-2400
Contact: Mr. Ronald S. Graves
Phone: 423-988-6996
Fax: 423-986-0836
E-Mail: rdserv@esper.com
URL: http://rdservices.com

Thermal Insulation Materials

Accreditation Valid Through: September 30, 1998

NVLAP Code *Designation*

Corrosiveness
01/C01 ASTM C739 (Sec. 9)
01/C02 16 CFR-Part 1209.5
Flammability
01/F10 ASTM C739 (Sec. 14)
Mass, Density, and Dimensional Stability
01/D26 16 CFR-Part 1209.4
01/D27 ASTM C739 (Sec. 8)
Related Material Properties
01/V05 ASTM C739 (Sec. 11)
01/V06 ASTM C739 (Sec. 15)

(See 'How To Use This Directory' on page 7.)

Thermal Resistance

01/T06 ASTM C518
01/T10 ASTM C687

NVLAP LAB CODE 200281-0

Fujitsu Evaluation Engineering Laboratory

140 Miyamoto
Numazu, Shizuoka-Pref. 410-03
JAPAN
Contact: Mr. Hiroyuki Shimanoe
Phone: 81-44-754-2036
Fax: 81-44-754-2329
E-Mail: shimanoe@psl.fujitsu.co.jp

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200282-0

MPB Technologies, Inc. Ottawa

302 Legget Drive, Unit 100
Kanata, Ont. K2K 1Y5
CANADA
Contact: Mr. Dave Scribailo
Phone: 613-599-6800
Fax: 613-599-7614

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200285-0

Sony Atsugi EMC Site

6-7-35, Kitashinagawa
Shinagawa, Tokyo, 141-001
JAPAN
Contact: Mr. Mitsuyoshi Sugimoto
Phone: 81-3-5448-4162
Fax: 81-3-5448-2389

FCC Test Methods

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

Australian Standards referred to by clauses in AUSTEL Technical Standards

12/T51 AS/NZS 3548

Federal Communications Commission (FCC) Methods

12/F01 FCC Method - 47 CFR Part 15 - Digital Devices
12/F01a Conducted Emissions, Power Lines, 450 KHz to 30 MHz
12/F01b Radiated Emissions

International Special Committee on Radio Interference (CISPR) Methods

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

NVLAP LAB CODE 200287-0

Small IAC Test Laboratory

107 Park St. N
Peterborough, ON K9J-7B5
CANADA
Contact: Mr. Harold Peltzer
Phone: 705-748-7343
Fax: 705-748-7677
E-Mail: peltzer.harold@mlink.motors.ge.com

Efficiency of Electric Motors

Accreditation Valid Through: September 30, 1998

NVLAP
Code *Designation*

24/M01 IEEE 112, Method B

NVLAP LAB CODE 200293-0

EMSL Analytical, Inc.
10766 Rhode Island Avenue
Beltsville, MD 20705
Contact: Mr. Robert Shumate
Phone: 301-937-5700
Fax: 301-937-5702

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

Airborne Asbestos Analysis (TEM)
Accreditation Valid Through: December 31, 1998

NVLAP LAB CODE 200294-0

Micron Environmental Labs
3248 Shady Lawn Dr.
Duarte, CA 91010-1665
Contact: Mr. Daniel Gamez
Phone: 626-357-8627
Fax: 626-256-9017

Bulk Asbestos Analysis (PLM)
Accreditation Valid Through: December 31, 1998

INDEX

E

LISTING OF CALIBRATION LABORATORIES BY NVLAP LAB CODE

NVLAP LAB CODE 105000-0

OAK RIDGE METROLOGY CENTER, DIMENSIONAL METROLOGY
P.O. Box 2009
Oak Ridge, TN 37831-7670
Contact: Mr. W. T. (Bill) McKeethan
Phone: 423-574-2707 Fax: 423-574-2802
E-Mail: wmt@ornl.gov
URL: http://www.ornl.gov/orcmt/mfgqual

Accreditation Valid Through: March 31, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)*[note 1]	*Remarks*
DIMENSIONAL			
20/D05 Length			
	0 - 1.35 m	(0.3 + 0.4L) micrometers; L is length in meters	Step and End Gages using M-60 Coordinate Measuring Machine
	0 - 1.2 m	(0.3 + 0.4L) micrometers; L is length in meters	Step and End Gages using M-48 Coordinate Measuring Machine

1. Represents an expanded uncertainty using a coverage factor, k=2

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105001-0

RICE LAKE WEIGHING SYSTEMS
230 West Coleman Street
P.O. Box 272
Rice Lake, WI 54868
Contact: Mr. Richard Calkins
Phone: 715-234-9171 x243 Fax: 715-234-6967

Accreditation Valid Through: March 31, 1998

MECHANICAL

NVLAP Code: 20/M08
Mass

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
30 kg	11.7 mg	Class I Facility
20 kg	4.3 mg	Class I Facility
10 kg	1.8 mg	Class I Facility
5 kg	0.96 mg	Class I Facility
3 kg	0.63 mg	Class I Facility
2 kg	0.44 mg	Class I Facility
1 kg	0.069 mg	Class I Facility
500 g	0.043 mg	Class I Facility
300 g	0.032 mg	Class I Facility
200 g	0.029 mg	Class I Facility
100 g	0.0312 mg	Class I Facility
50 g	0.0168 mg	Class I Facility
30 g	0.0111 mg	Class I Facility
20 g	0.0087 mg	Class I Facility
10 g	0.0080 mg	Class I Facility
5 g	0.0044 mg	Class I Facility
3 g	0.0030 mg	Class I Facility
2 g	0.0024 mg	Class I Facility
1 g	0.0023 mg	Class I Facility
500 mg	0.00226 mg	Class I Facility
300 mg	0.00196 mg	Class I Facility
200 mg	0.00194 mg	Class I Facility
100 mg	0.00228 mg	Class I Facility
50 mg	0.00190 mg	Class I Facility
30 mg	0.00158 mg	Class I Facility

 (See 'How To Use This Directory' on page 7.)

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
20 mg	0.00154 mg	Class I Facility
10 mg	0.00178 mg	Class I Facility
5 mg	0.00144 mg	Class I Facility
3 mg	0.00120 mg	Class I Facility
2 mg	0.00116 mg	Class I Facility
1 mg	0.00134 mg	Class I Facility
50 kg	101 mg	Class II Facility
30 kg	49 mg	Class II Facility
20 kg	17 mg	Class II Facility
10 kg	1.8 mg	Class II Facility
5 kg	0.96 mg	Class II Facility
3 kg	0.63 mg	Class II Facility
2 kg	0.44 mg	Class II Facility
1 kg	0.07 mg	Class II Facility
500 g	0.04 mg	Class II Facility
300 g	0.03 mg	Class II Facility
200 g	0.03 mg	Class II Facility
100 g	0.031 mg	Class II Facility
50 g	0.017 mg	Class II Facility
30 g	0.011 mg	Class II Facility
20 g	0.009 mg	Class II Facility
10 g	0.008 mg	Class II Facility
5 g	0.0044 mg	Class II Facility
3 g	0.0030 mg	Class II Facility
2 g	0.0024 mg	Class II Facility
1 g	0.0023 mg	Class II Facility
500 mg	0.002 mg	Class II Facility
300 mg	0.002 mg	Class II Facility
200 mg	0.002 mg	Class II Facility
100 mg	0.002 mg	Class II Facility
50 mg	0.002 mg	Class II Facility
30 mg	0.002 mg	Class II Facility
20 mg	0.002 mg	Class II Facility
10 mg	0.002 mg	Class II Facility

(See 'How To Use This Directory' on page 7.)

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
5 mg	0.001 mg	Class II Facility
3 mg	0.001 mg	Class II Facility
2 mg	0.001 mg	Class II Facility
1 mg	0.001 mg	Class II Facility
1000 kg	10.82 g	Class III Facility
500 kg	5.27 g	Class III Facility
200 kg	2.68 g	Class III Facility
100 kg	2.00 g	Class III Facility
50 kg	114 mg	Class III Facility
30 kg	71 mg	Class III Facility
20 kg	27 mg	Class III Facility
10 kg	5.0 mg	Class III Facility
5 kg	3.2 mg	Class III Facility
3 kg	1.7 mg	Class III Facility
2 kg	1.3 mg	Class III Facility
1 kg	0.1 mg	Class III Facility
500 g	0.1 mg	Class III Facility
300 g	0.1 mg	Class III Facility
200 g	0.04 mg	Class III Facility
100 g	0.037 mg	Class III Facility
50 g	0.024 mg	Class III Facility
30 g	0.016 mg	Class III Facility
20 g	0.012 mg	Class III Facility
10 g	0.010 mg	Class III Facility
5 g	0.005 mg	Class III Facility
3 g	0.005 mg	Class III Facility
2 g	0.004 mg	Class III Facility
1 g	0.003 mg	Class III Facility
500 mg	0.003 mg	Class III Facility
300 mg	0.002 mg	Class III Facility
200 mg	0.002 mg	Class III Facility
100 mg	0.004 mg	Class III Facility
50 mg	0.003 mg	Class III Facility
30 mg	0.002 mg	Class III Facility

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
20 mg	0.002 mg	Class III Facility
10 mg	0.003 mg	Class III Facility
5 mg	0.002 mg	Class III Facility
3 mg	0.002 mg	Class III Facility
2 mg	0.002 mg	Class III Facility
1 mg	0.002 mg	Class III Facility

20/M08
Mass Avoirdupois

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
2500 lb	44.19 g	Class III Facility
2000 lb	13.01 g	Class III Facility
1000 lb	6.14 g	Class III Facility
500 lb	3.25 g	Class III Facility
250 lb	1.63 g	Class III Facility
200 lb	3.33 g	Class III Facility
100 lb	76 mg	Class III Facility
50 lb	69 mg	Class III Facility
30 lb	31 mg	Class III Facility
25 lb	30 mg	Class III Facility
20 lb	12 mg	Class III Facility
10 lb	10.4 mg	Class III Facility
5 lb	1.4 mg	Class III Facility
4 lb	1.4 mg	Class III Facility
3 lb	1.1 mg	Class III Facility
2 lb	0.6 mg	Class III Facility
1 lb	0.3 mg	Class III Facility
0.5 lb	0.3 mg	Class III Facility
0.3 lb	0.06 mg	Class III Facility
0.2 lb	0.048 mg	Class III Facility
0.1 lb	0.036 mg	Class III Facility
0.05 lb	0.021 mg	Class III Facility
0.03 lb	0.019 mg	Class III Facility
0.02 lb	0.016 mg	Class III Facility
0.01 lb	0.012 mg	Class III Facility

(See 'How To Use This Directory' on page 7.)

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
0.005 lb	0.011 mg	Class III Facility
0.003 lb	0.009 mg	Class III Facility
0.002 lb	0.008 mg	Class III Facility
0.001 lb	0.006 mg	Class III Facility
4 oz	0.054 mg	Class III Facility
2 oz	0.048 mg	Class III Facility
1 oz	0.040 mg	Class III Facility
1/2 oz	0.010 mg	Class III Facility
1/4 oz	0.008 mg	Class III Facility
1/8 oz	0.005 mg	Class III Facility
1/16 oz	0.006 mg	Class III Facility
1/32 oz	0.005 mg	Class III Facility

1. Represents an expanded uncertainty using a coverage factor, k=2

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105002-0

SANDIA NATIONAL LABORATORIES
Primary Electrical Standard Dept. 1542
P.O. Box 5800, Mail Stop 0665
Albuquerque, NM 87185-0665
Contact: Dr. Richard B. Pettit
Phone: 505-844-6242 Fax: 505-844-4372
E-Mail: rbpetti@sandia.gov
URL: http://www.sandia.gov/psl

Accreditation Valid Through: December 31, 1998

DC/LOW FREQUENCY

NVLAP Code: 20/E01
Voltage Converters

Best Uncertainty in ppm(±)[note 1]

Frequency in Hertz

Range	*10*	*100*	*1 k*	*20 k*	*50 k*	*100 k*	*200 k*	*500 k*	*1 M*
1 V	102	20	23	17	26	42	71	73	75
2 V	101	18	17	21	27	42	72	71	73
3 V	102	16	18	17	27	42	71	73	75
4 V	101	17	17	19	30	42	71	71	72
6 V	101	16	16	17	27	41	72	74	76
10 V	101	16	18	18	27	41	72	73	74
12 V	101	18	18	16	27	42	72	72	73
20 V	104	19	16	17	30	41	72	76	78
30 V	102	17	16	16	27	42	71	76	77
40 V	101	17	16	19	27	41	73	76	77
60 V	101	23	16	17	27	42	71	71	74
100 V	101	19	16	17	28	43	73	75	75
120 V	102	22	21	22	31	52			
200 V	101	23	22	24	32	51			
300 V	103	29	25	25	34	56			
400 V	102	21	22	22	32	59			
600 V	102	23	22	21	33	57			
1000 V	104	31	29	31	43	69			

 (See 'How To Use This Directory' on page 7.)

NVLAP Code: 20/E01
AC Current Shunts

Range	*Frequency*	*Best Uncertainty in percent(±)[note 1]*
10 mA	50 kHz	0.010
25 mA	50 kHz	0.010
50 mA	50 kHz	0.010
100 mA	50 kHz	0.014
250 mA	50 kHz	0.010
500 mA	50 kHz	0.011
1 A	50 kHz	0.011
1 A	100 kHz	0.014
2.5 A	50 kHz	0.011
5 A	50 Hz	0.009
5 A	60 Hz	0.009
5 A	50 kHz	0.011
10 A	50 kHz	0.017
20 A	50 Hz	0.013
20 A	400 Hz	0.013
20 A	1 kHz	0.013
20 A	50 kHz	0.017

NVLAP Code: 20/E03
Capacitance Dividers - Pulsed High-Voltage Condition

Range	*Best Uncertainty in percent(±)[note 1]*	*Remarks*
1 to 350 kV	2.0	1 to 30 μs Pulse

NVLAP Code: 20/E05
DC Resistance

Range in ohms	*Best Uncertainty in ppm(±)[note 1]*	*Remarks*
0.0001 to 0.001	11	Low Resistance
0.001 to 0.01	4	Low Resistance
0.01 to 0.1	2.5	Low Resistance
0.1 to 1	2	Low Resistance
1	0.057	Thomas
1 to 10	1	

 (See 'How To Use This Directory' on page 7.)

Range in ohms	*Best Uncertainty in ppm(±)[note 1]*	*Remarks*
10 to 10^4	0.5	
10 k	0.15	SR104
10^5	2	
10^6	3	
10^7	5	
10^8	10	
10^8	240	with Teraohmeter
10^9	330	with Teraohmeter
10^{10}	470	with Teraohmeter
10^{11}	670	with Teraohmeter
10^{12}	1400	with Teraohmeter
10^{13}	2000	with Teraohmeter
10^{14}	3300	with Teraohmeter
10^{15}	6700	with Teraohmeter
10^{16}	7.0 %	with Teraohmeter

Special Resisters

Range in ohms	*Best Uncertainty in ppm(±)[note 1]*	*Remarks*
2 and 5	0.5	Reichsanstalt
25 and 100	0.15	Tinsley
28.5	0.5	NBS

Shunts

Range	*Best Uncertainty in ppm(±)[note 1]*	*Remarks*
100 mA to 1000 A	2.5	

NVLAP Code: 20/E06
DC Voltage

Range	*Best Uncertainty(±)[note 1]*	*Remarks*
1, 1.018 V	0.14 ppm	Josephson Array System
10.0 V	0.017 ppm	Josephson Array System
1.018 V	0.21 ppm	Standard Cell System
1.0 to 10.0 V	0.26 ppm	Zener Ref. System

Range	*Best Uncertainty(±)[note 1]*	*Remarks*
Voltage dividers - Potentiometer combination		
1.5 V to 1500 V	2.5 ppm	Intermediate System
x1.0 range to 1.05 V	0.5 ppm of reading +0.1 μV	Potentiometer only,k=3
x1.0 range above 1.05 V	1.0 ppm of reading +0.1 μV	Potentiometer only,k=3
x0.1 range	1.5 ppm of reading +0.01 μV	Potentiometer only,k=3
x0.01 range	2.5 ppm of reading +0.005 μV	Potentiometer only,k=3
High Voltage		
to 100 kV	106 ppm	200 kV system
100 kV to 200 kV	140 ppm	200 kV system
to 10 kV	0.2 %	10 kV system
Ratio/Bridges		
1:1 to 1:100,000	0.5 x 10^7 (ratio)	For ratio based on 20 step first dial (k=3). For bridges, uncertainty combines ratio and resistance uncertainties

NVLAP Code: 20/E08
Inductive Dividers

Range	*Best Uncertainty in ppm(±)[note 1]*	*Remarks*
15, 35 and 100 V	55	@ 60,1 k and 10 kHz

NVLAP Code: 20/E10
LF Capacitance

Range	*Best Uncertainty in ppm(±)[note 1]*	*Remarks*
0.01 to 1000 pF	5	@ 1 kHz

NVLAP Code: 20/E11
LF Inductance

Range	*Best Uncertainty in percent(±)[note 1]* Frequency in Hz		
	100	*1 k*	*10 k*
10 μH	1.10	0.20	0.20
20 μH	0.50	0.20	0.20
50 μH	0.20	0.20	0.20
100 μH	0.10	0.10	0.10
200 μH	0.10	0.10	0.10
500 μH	0.02	0.02	0.05
1 mH	0.02	0.02	0.06
2 mH	0.03	0.03	0.06
5 mH	0.03	0.03	0.06
10 mH	0.02	0.02	0.05
20 mH	0.02	0.02	0.05
50 mH	0.02	0.02	0.05
100 mH	0.02	0.02	0.05
200 mH	0.02	0.02	
500 mH	0.02	0.02	
1 H	0.02	0.05	
2 H	0.02	0.05	
5 H	0.02	0.10	
10 H	0.02	0.20	

NVLAP Code: 20/E18
Resistive Dividers - Pulsed High-Voltage Condition

Range	*Best Uncertainty in percent(±)[note 1]*	*Remarks*
1 to 350 kV	1.0	1 to 30 μs Pulse

 (See 'How To Use This Directory' on page 7.)

TIME & FREQUENCY

NVLAP Code: 20/F01
Frequency Dissemination

Range	*Best Uncertainty(±)[note 1]*	*Remarks*
0.1 MHz	1 part in 10^{12}	
1 MHz	1 part in 10^{12}	
5 MHz	1 part in 10^{12}	
10 MHZ	1 part in 10^{12}	

NVLAP Code: 20/R05
HF Capacitance

	Best Uncertainty in percent(±)[note 1]			
	Frequency in Hz			
Range in pF	*100*	*1 k*	*10 k*	*100 k*	*1 M*
0.01		0.20		1.3	
0.1		0.05		1.3	
1		0.02		0.04	
10		0.01		0.02	
100		0.01		0.01	
1000		0.01		0.03	
1		0.02		0.2	0.30
2		0.02		0.35	0.60
5		0.02		0.22	0.26
10		0.10		0.14	0.15
20		0.10		0.13	0.11
50				0.03	0.02
100				0.02	0.02
200				0.01	0.01
500				0.02	0.01
1000				0.02	0.03
10		0.0001			
100		0.0001			

 (See 'How To Use This Directory' on page 7.)

Best Uncertainty in percent(±)[note 1]

Frequency in Hz

Range in pF	*100*	*1 k*	*10 k*	*100 k*	*1 M*
1	0.01	0.01	0.01	0.01	0.01
10	0.01	0.01	0.01	0.01	0.01
100	0.01	0.01	0.01	0.01	0.01
1000	0.01	0.01	0.01	0.01	0.01

NVLAP Code: 20/R06
HF Inductance

Best Uncertainty in percent(±)[note 1]

Frequency in Hz

Range	*10 k*	*100 k*	*1 M*	*10 M*
0.1 μH		2.19	4.00	
0.2 μH		2.03	2.03	
0.5 μH		0.80	1.20	
1.0 μH		0.56	0.92	
2.0 μH		0.31	0.73	
5.0 μH		0.25	0.68	
10 μH		0.39	0.63	
25 μH		0.32	0.16	
50 μH		0.26	0.12	
100 μH		0.24	0.11	
250 μH		0.32	0.16	
500 μH		0.26	0.09	
1 mH		0.24		
2.5 mH		0.25		
5 mH		0.24		
10 mH		0.29		
25 mH		0.25		
0.25 μH	1.2	1.4	1.7	0.8
1 μH	0.4	0.5	0.9	0.6
10 μH	0.4	0.4	0.6	0.1
100 μH	0.2	0.2	0.2	

 (See 'How To Use This Directory' on page 7.)

NVLAP Code: 20/R10
Q Standards

Range	*Best Uncertainty in percent(±)[note 1]*	*Remarks*
Selected values from 95 to 607	1.2 to 4.5 dependant on Q value and frequency	frequency range 50 kHz to 45 MHz

NVLAP Code: 20/R11
RF-DC Voltage Converter

High Frequency TVC

	Best Uncertainty in percent(±)[note 1]				
	Frequency in Hz				
Range	*1 M*	*10 M*	*30 M*	*50 M*	*100 M*
0.5 V	0.06	0.11	0.21	0.51	1.1
1 V	0.06	0.11	0.21	0.51	1.1
2 V	0.06	0.11	0.21	0.51	1.1
2.5 V	0.06	0.11	0.21	0.51	1.1
3 V	0.06	0.11	0.21	0.51	1.1
5 V	0.06	0.11	0.21		1.1
10 V	0.06	0.11	0.21		1.1
20 V	0.06	0.11	0.21		1.1
50 V	0.06	0.11	0.22		1.2
100 V	0.06	0.11	0.27		1.5
200 V	0.06	0.12	0.21		1.1

RF TVC

	Best Uncertainty in percent(±)[note 1]					
	Frequency in Hz					
Range	*300 M*	*600 M*	*700 M*	*800 M*	*900 M*	*1000 M*
1 V	1.3	1.3	1.3	1.3	1.3	1.3
2.4 V	1.3	1.3	1.3	1.3	1.3	1.3
7 V	1.3	1.3	1.3	1.3	1.3	1.3

 (See 'How To Use This Directory' on page 7.)

Micropotentiometers

	Best Uncertainty in percent(±)[note 1]				
	Frequency in Hz				
Range	*30 M*	*100 M*	*300 M*	*600 M*	*900 M*
0.1 mV	2.32	3.56	3.36	5.10	5.10
0.2 mV	0.54	1.04	1.02	1.35	1.42
0.4 mV	2.34	3.44	3.18	5.10	5.10
0.9 mV	0.54	1.04	1.05	1.35	1.44
1 mV	2.24	3.33	3.21	5.10	5.10
1.5 mV	0.59	1.02	1.02	1.33	1.33
4 mV	0.53	1.07	1.21	1.38	1.39
5 mV	2.24	3.16	3.17	5.10	5.10
10 mV	2.27	3.19	3.16	5.10	5.10
11 mV	2.25	3.17	3.58	5.10	5.10
25 mV	0.48	0.97	0.97	1.28	1.30
28.5 mV	2.52	3.49	3.95	5.10	
102 mV	0.53	0.99	1.08	1.30	1.28
150 mV	0.43	0.99	1.06	1.32	1.28
320 mV	2.24	3.23	3.18	5.10	5.10
330 mV	0.45	1.01	0.98	1.38	1.29

NVLAP Code: 20/R12
RF/Microwave Bolometer Units
Expanded Uncertainties[note 1,2,3] on Effective Efficiency & Calibration Factor of HP bolometric power sensors.

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
N	Calibration Factor	0.9 to 1	0.004-0.006	0.004-0.006	0.005-0.007	0.006-0.008
APC-3.5	Calibration Factor	0.9 to 1	-------	0.007-0.009	0.009-0.010	0.010-0.011
N	Effective Efficiency	0.9 to 1	0.004-0.005	0.004-0.005	0.005-0.006	0.006-0.008
APC-3.5	Effective Efficiency	0.9 to 1	-------	0.007-0.008	0.008-0.009	0.009-0.010

NVLAP Code: 20/R13
RF/Microwave Attenuators
Reflection Coefficient (or Scattering Parameter Sii)

A. Dual 6-Port Network Analyzer Certification Uncertainties [note 2,3,4]

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
GR-900	$\|S_{ii}\|$	0 to 1	0.002-0.009	0.002-0.015	------	------
N	$\|S_{ii}\|$	0 to 1	0.002-0.008	0.002-0.027	0.006-0.018	0.006-0.030
APC-7	$\|S_{ii}\|$	0 to 1	0.002-0.006	0.002-0.009	0.003-0.018	0.005-0.015
APC-3.5	$\|S_{ii}\|$	0 to 1	0.002-0.012	0.002-0.015	0.005-0.019	0.012-0.050
GR-900	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.120-180.0	0.019-180.0	------	------
N	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.360-180.0	0.300-180.0	0.600-180.0	0.800-180.0
APC-7	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.012-180.0	0.200-180.0	0.540-180.0	0.525-180.0
APC-3.5	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.360-180.0	0.240-180.0	0.540-180.0	0.560-180.0

B. HP8510 Vector Network Analyzer Uncertainties

1. Expanded Uncertainties [note 1,2,3] on one- or two-port devices

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
N	$\|S_{ii}\|$	0 to 1	0.001-0.003	0.001-0.009	0.004-0.009	0.004-0.021
APC-7	$\|S_{ii}\|$	0 to 1	0.001-0.007	0.001-0.003	0.003-0.007	0.001-0.004
APC-3.5	$\|S_{ii}\|$	0 to 1	0.001-0.007	0.004-0.020	0.004-0.020	0.004-0.020
N	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.05-180	0.36-180	1.43-180	1.34-180
APC-7	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.15-180	0.16-180	0.33-180	0.38-180
APC-3.5	$Arg(S_{ii})$	$0<\|S_{ii}\|<1$ -180 to +180 deg	0.53-180	0.33-180	0.35-180	0.33-180

 (See 'How To Use This Directory' on page 7.)

2. Certification Uncertainties [note 2,3,4] on three-port devices

			Frequency (MHz)			
Connector Type	***Quantity***	***Quantity Range***	***50-2000***	***2000-8000***	***8000-12000***	***12000-18000***
N, APC-7, APC-3.5	$\|S_{ii}\|$	0 to 0.3	0.011 - 0.075	0.011 - 0.075	0.03 - 0.09	0.050 - 0.092
N, APC-7, APC-3.5	$\|\Gamma_{ge}\|$	0 to 0.3	0.011 - 0.080	0.012 - 0.080	0.030 - 0.084	0.071 - 0.119

C. HP8753 Vector Network Analyzer Certification Uncertainties [note 2,3,4]

1. One- or two-port devices

			Frequency (MHz)	
Connector Type	***Quantity***	***Quantity Range***	***25-1000***	***1000-3000***
N	$\|S_{ii}\|$	0 to 1	0.001-0.009	0.003-0.016
APC-7	$\|S_{ii}\|$	0 to 1	0.002-0.04	0.002-0.004
APC-3.5	$\|S_{ii}\|$	0 to 1	0.006-0.02	0.006-0.035
N	$Arg(S_{ii})$	$0 < \|S_{ii}\| < 1$ -180 to +180 deg	0.2-70	1-180
APC-7	$Arg(S_{ii})$	$0 < \|S_{ii}\| < 1$ -180 to +180 deg	0.3-180	0.2-25
APC-3.5	$Arg(S_{ii})$	$0 < \|S_{ii}\| < 1$ -180 to +180 deg	1-180	1.6-180

2. Three-port devices

Connector Type	***Quantity***	***Quantity Range***	***25-1000 (MHz)***
N, APC-7-APC-3.5	$\|S_{ii}\|$	0 to 0.3	0.011 - 0.020
N, APC-7-APC-3.5	$\|\Gamma_{ge}\|$	0 to 0.3	0.01 - 0.03

D. Weinschel VM-4B Certification Uncertainties [note 2,3,4]

			Frequency (MHz)			
Connector Type	***Quantity***	***Quantity Range***	***10-2000***	***2000-8000***	***8000-12000***	***12000-18000***
N	$\|S_{ii}\|$	0 to 1	0.025-0.080	0.031-0.085	0.040-0.090	0.046-0.112
APC-7	$\|S_{ii}\|$	0 to 1	0.011-0.075	0.015-0.080	0.030-0.085	0.036-0.106
BNC[5]	$\|S_{ii}\|$	0 to 1	0.026-0.060[5]	-------	-------	-------

 (See 'How To Use This Directory' on page 7.)

Attenuation (or Scattering Parameter Sij)

A. Dual 6-Port Network Analyzer Certification Uncertainties [note 2,3,4]

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
GR-900	$\|S_{ij}\|$	0 to 60 dB	0.012-0.390	0.015-0.410	-------	-------
N	$\|S_{ij}\|$	0 to 60 dB	0.012-0.390	0.015-0.410	0.018-0.410	0.021-0.900
APC-7	$\|S_{ij}\|$	0 to 60 dB	0.012-0.390	0.015-0.410	0.020-0.410	0.021-0.900
APC-3.5	$\|S_{ij}\|$	0 to 60 dB	0.012-0.150	0.015-0.410	0.020-0.410	0.030-0.90

B. HP8510 Vector Network Analyzer Uncertainties

1. Expanded Uncertainties[note 1,2,3] on one- or two-port devices

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
N	$\|S_{ij}\|$	0 to 60 dB	0.01-0.12	0.02-0.17	0.03-0.25	0.03-0.48
APC-7	$\|S_{ij}\|$	0 to 60 dB	0.01-0.08	0.01-0.13	0.01-0.13	0.01-0.18
APC-3.5	$\|S_{ij}\|$	0 to 60 dB	0.01-0.12	0.02-0.22	0.04-0.25	0.05-0.49
N	$Arg(S_{ij})$	$0 < \|S_{ij}\| < 60$ dB 0 to 360 deg	0.22-1.19	0.32-1.27	0.36-1.84	0.58-3.46
APC-7	$Arg(S_{ij})$	$0 < \|S_{ij}\| < 60$ dB 0 to 360 deg	0.22-0.73	0.25-1.21	0.41-1.70	0.57-2.85
APC-3.5	$Arg(S_{ij})$	$0 < \|S_{ij}\| < 60$ dB 0 to 360 deg	0.45-0.80	0.35-1.39	0.41-1.94	0.66-3.17

2. Certification Uncertainties [note 2,3,4] on three-port devices

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
N, APC-7, APC-3.5	|Coupling| (dB)	3-40 dB	0.071 - 0.320	0.110 - 0.500	0.012 - 0.500	0.320 - 0.600
N, APC-7, APC-3.5	|Mainline| (dB)	0 to 8 dB	0.020 - 0.221	0.020 - 0.221	0.020 - 0.221	0.131 - .290
N, APC-7 APC-3.5	|Directivity| (dB)	15-25 dB	0.19 - 9.2	0.53 - 9.2	0.80 - 9.2	1.55 - 9.2

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*50-2000*	*2000-8000*	*8000-12000*	*12000-18000*
N, APC-7, APC-3.5	|Directivity| (dB)	30-40 dB	1.0 - ∞	2.6 - ∞	5.7 - ∞	7.2 - ∞

C. HP8753 Vector Network Analyzer Certification Uncertainties[note 2,3,4]

1. One- or two-port devices

			Frequency (MHz)	
Connector Type	*Quantity*	*Quantity Range*	*25-1000*	*1000-3000*
N	$\|S_{ij}\|$	0 to 60 dB	0.003-0.5	0.004-1.2
APC-7	$\|S_{ij}\|$	0 to 60 dB	0.002-0.6	0.003-0.9
APC-3.5	$\|S_{ij}\|$	0 to 60 dB	0.003-0.6	0.003-1.0
APC-3.5	$Arg(S_{ij})$	$0 < \|S_{ij}\| < 60$ dB 0 to 360 deg	0.4-10	0.4-10

2. Three-port devices

Connector Type	*Quantity*	*Quantity Range*	*25-1000 (MHz)*
N, APC-7-APC-3.5	|Coupling| (dB)	3-20 dB	0.050 - 0.230
N, APC-7-APC-3.5	|Mainline| (dB)	0 to 8 dB	0.020 - 0.050
N, APC-7-APC-3.5	|Directivity| (dB)	15-25 dB	0.9 - 3.8
N, APC-7-APC-3.5	|Directivity| (dB)	30-40 dB	4 - ∞

D. Weinschel VM-4B Certification Uncertainties [note 2,3,4] on Attenuation

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*10-2000*	*2000-8000*	*8000-12000*	*12000-18000*
N	$\|S_{ij}\|$	0 to 100 dB	0.06-0.60	0.10-1.10	0.25-1.52	0.38-1.80
APC-7	$\|S_{ij}\|$	0 to 100 dB	0.06-0.60	0.10-1.00	0.20-1.43	0.30-1.75
BNC[5]	$\|S_{ij}\|$	0 to 100 dB	0.10-0.90[5]	------	------	------

(See 'How To Use This Directory' on page 7.)

E. Power Ratio Attenuation Expanded Uncertainties[note 1,2,3]

			Frequency (MHz)			
Connector Type	*Quantity*	*Quantity Range*	*10-2000*	*2000-8000*	*8000-12000*	*12000-18000*
FIXED ATTENUATORS OR STEP/VARIABLE ATTENUATORS						
N, APC-7 APC-3.5	$\|S_{ij}\|$	0 to 11 dB	0.008-0.014 + Mismatch Unc.	0.014-0.016 + Mismatch Unc.	0.013-0.015 + Mismatch Unc.	0.015-0.018 + Mismatch Unc.
ISOLATED STEP/VARIABLE ATTENUATORS						
N, APC-7 APC-3.5	$\|S_{ij}\|$	0 to 11 dB	0.008-0.014	0.014-0.016	0.013-0.015	0.015-0.018

NVLAP Code: 20/R16
Group Delay Certification Uncertainties[note 2,3,4]

Connector Type	*Typical Atten. (dB)*	*Delay (ns)*	*50-1000 (MHz)*
APC-7, N, APC-3.5	0.08	5	0.02 - 0.05
APC-7, N, APC-3.5	0.21	15	0.04 - 0.13
APC-7, N, APC-3.5	0.8	50	0.05 - 0.12
APC-7, N, APC-3.5	3	200	0.15 - 0.41
APC-7, N, APC-3.5	2.2	385	0.46 - 0.50

NVLAP Code: 20/R17
RF/Microwave Power Meters
CW Power Certification Uncertainties[note 2,3,4]

A. Low to Medium Power CW Microwave Power Meter Calibration at Type N Connector

		Frequency (MHz)			
Quantity	*Quantity Range*	*1 to 2000*	*2000 to 4000*	*4000 to 12400*	*12400 to 16500*
Power (dBm)	-30 to -10	.09 to .41 dB	.13 to .41 dB	.14 to .34 dB	.16 to .46 dB
Power (dBm)	-10 to 10	.06 to .27 dB	.10 to .25 dB	.11 to .30 dB	------
Power (dBm)	10 to 30	.06 to .25 dB	.10 to .21 dB	.11 to .24 dB	------

B. Low Power, Wide Range, CW Microwave Power Meter Calibration at Type N Connector

		Frequency (MHz)		
Quantity	*Quantity Range*	*30 to 4000*	*4000 to 8000*	*8000 to 12400*
Power (dBm)	-60 to -50	0.20 to 0.41 dB	0.25 to 0.43 dB	0.24 to 0.43 dB
Power (dBm)	-50 to -40	0.18 to 0.29 dB	0.23 to 0.35 dB	0.22 to 0.35 dB
Power (dBm)	-40 to -30	0.14 to 0.25 dB	0.16 to 0.32 dB	0.20 to 0.32 dB
Power (dBm)	-30 to -20	0.14 to 0.23 dB	0.16 to 0.27 dB	0.18 to 0.27 dB

C. Medium Power CW Microwave Power Meter Calibration at Type N Connector

		Frequency (MHz)		
Quantity	*Quantity Range*	*12 to 1000*	*240*	*2000 to 2500*
Power (mW)	1 to 10	1.7 to 3.3%	------	------
Power (mW)	1 to 100	------	------	3.1 to 4.3%
Power (mW)	80 to 160	------	1.9 to 2.4%	------

D. Medium Power CW Microwave Power Meter Calibrations at APC-3.5 Connector

		Frequency (MHz)		
Quantity	*Quantity Range*	*2000 to 4000*	*4000 to 8000*	*8000 to 18000*
Power (mW)	0.1 to 8	2.8 to 4.0%	3.0 to 4.9%	4.0 to 5.8%

E. High Power CW Microwave Power Meter Calibrations at Type N Connector

		Frequency (MHz)	
Quantity	*Quantity Range*	*13.6 to 300*	*300 to 3000*
Power (Watts)	0.2 to 10	9.0 to 9.1%	3.3 to 10.6%
Power (Watts)	10 to 200	4.4 to 10.1%	9.6 to 10.6%

(See 'How To Use This Directory' on page 7.)

Pulse Power Certification Uncertainties[note 2,3,4]

A. Pulse Power Meter Calibrations at Type N Connector

		Frequency (MHz)
Quantity	***Quantity Range***	***2000***
Power (mW)	10 to 100	7.3 to 8.2%

1. Expanded uncertainty with coverage factor of k=2, unless otherwise specified.
2. Approximate value. Actual value determined by test results.
3. The uncertainty ranges are the lowest and highest uncertainty values within the specified frequency range and quantity range.
4. Uncertainty consists of an appropriate combination of the measurement uncertainty (which includes all significant sources of uncertainty associated with the calibration process) and uncertainties due to use, environment, handling or variation with time over the certification interval.
5. Maximum frequency for BNC is 1000 MHz.

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105003-0

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Accreditation Valid Through: December 31, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
MECHANICAL			
20/M08 **Mass**			
	1000 kg	10377 mg	Equal Arm Balance
	500 kg	5069 mg	Equal Arm Balance
	300 kg	3200 mg	Equal Arm Balance
	200 kg	2258 mg	Equal Arm Balance
	100 kg	1299 mg	Equal Arm Balance
	50 kg	99.7 mg	Double Substitution
	30 kg	63.0 mg	Double Substitution
	20 kg	44.6 mg	Double Substitution
	10 kg	1.634 mg	Double Substitution
	5 kg	0.247 mg	Double Substitution
	3 kg	0.156 mg	Double Substitution
	2 kg	0.106 mg	Double Substitution
	1 kg	0.036 mg	Double Substitution
	500 g	0.021 mg	Double Substitution
	300 g	0.016 mg	Double Substitution
	200 g	0.014 mg	Double Substitution
	100 g	0.014 mg	Double Substitution
	50 g	0.0097 mg	Double Substitution
	30 g	0.0072 mg	Double Substitution
	20 g	0.0063 mg	Double Substitution
	10 g	0.0068 mg	Double Substitution
	5 g	0.0036 mg	Double Substitution
	3 g	0.0024 mg	Double Substitution

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
	2 g	0.0018 mg	Double Substitution
	1 g	0.0016 mg	Double Substitution
	500 mg	0.00088 mg	Double Substitution
	300 mg	0.00060 mg	Double Substitution
	200 mg	0.00048 mg	Double Substitution
	100 mg	0.00048 mg	Double Substitution
	50 mg	0.00050 mg	Double Substitution
	30 mg	0.00046 mg	Double Substitution
	20 mg	0.00046 mg	Double Substitution
	10 mg	0.00054 mg	Double Substitution
	5 mg	0.00034 mg	Double Substitution
	3 mg	0.00028 mg	Double Substitution
	2 mg	0.00024 mg	Double Substitution
	1 mg	0.00028 mg	Double Substitution
	1000 kg	23203 mg	Tolerance Test
	500 kg	11335 mg	Tolerance Test
	300 kg	7155 mg	Tolerance Test
	200 kg	5049 mg	Tolerance Test
	100 kg	2904 mg	Tolerance Test
	50 kg	222.8 mg	Tolerance Test
	30 kg	140.9 mg	Tolerance Test
	20 kg	99.6 mg	Tolerance Test
	10 kg	32.18 mg	Tolerance Test
	5 kg	1.65 mg	Tolerance Test
	3 kg	1.61 mg	Tolerance Test
	2 kg	1.59 mg	Tolerance Test
	1 kg	1.58 mg	Tolerance Test
	500 g	1.58 mg	Tolerance Test
	300 g	1.58 mg	Tolerance Test
	200 g	0.031 mg	Tolerance Test
	100 g	0.032 mg	Tolerance Test
	50 g	0.024 mg	Tolerance Test

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
	30 g	0.020 mg	Tolerance Test
	20 g	0.019 mg	Tolerance Test
	10 g	0.020 mg	Tolerance Test
	5 g	0.016 mg	Tolerance Test
	3 g	0.015 mg	Tolerance Test
	2 g	0.015 mg	Tolerance Test
	1 g	0.015 mg	Tolerance Test
	500 mg	0.0147 mg	Tolerance Test
	300 mg	0.0146 mg	Tolerance Test
	200 mg	0.0146 mg	Tolerance Test
	100 mg	0.0146 mg	Tolerance Test
	50 mg	0.0146 mg	Tolerance Test
	30 mg	0.0146 mg	Tolerance Test
	20 mg	0.0146 mg	Tolerance Test
	10 mg	0.0146 mg	Tolerance Test
	5 mg	0.0146 mg	Tolerance Test
	3 mg	0.0146 mg	Tolerance Test
	2 mg	0.0146 mg	Tolerance Test
	1 mg	0.0146 mg	Tolerance Test
DIMENSIONAL			
20/D13 **Surveying Rods and Tapes**			
	1 - 12 in	0.004 in	Rigid Rules (Comparison to Standard)
	13 - 24 in	0.008 in	Rigid Rules (Comparison to Standard)
	1 - 10 ft	0.0042 ft	Metal Tapes (Bench Method)
	20 ft	0.0055 ft	Metal Tapes (Bench Method)
	30 ft	0.0067 ft	Metal Tapes (Bench Method)
	40 ft	0.0082 ft	Metal Tapes (Bench Method)
	50 ft	0.0095 ft	Metal Tapes (Bench Method)
	60 ft	0.0110 ft	Metal Tapes (Bench Method)
	70 ft	0.0124 ft	Metal Tapes (Bench Method)

(See 'How To Use This Directory' on page 7.)

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
	80 ft	0.0139 ft	Metal Tapes (Bench Method)
	90 ft	0.0153 ft	Metal Tapes (Bench Method)
	100 ft	0.0169 ft	Metal Tapes (Bench Method)
	110 ft	0.0182 ft	Metal Tapes (Bench Method)
	120 ft	0.0198 ft	Metal Tapes (Bench Method)
	130 ft	0.0212 ft	Metal Tapes (Bench Method)
	140 ft	0.0228 ft	Metal Tapes (Bench Method)
	150 ft	0.0242 ft	Metal Tapes (Bench Method)
	160 ft	0.0228 ft	Metal Tapes (Bench Method)
	170 ft	0.0228 ft	Metal Tapes (Bench Method)
	180 ft	0.0212 ft	Metal Tape (Bench Method)
	190 ft	0.0288 ft	Metal Tape (Bench Method)
	200 ft	0.0301 ft	Metal Tape (Bench Method)
	1 - 50 ft	0.0054 ft	Steel Tape (Tape-to-Tape)
	60 - 100 ft	0.0108 ft	Steel Tape (Tape-to-Tape)
	110 - 150 ft	0.0162 ft	Steel Tape (Tape-to-Tape)
	160 - 200 ft	0.0215 ft	Steel Tape (Tape-to-Tape)
MECHANICAL			
20/M12 **Volume and Density**			
	10000 ml	0.6248 ml	Gravimetric Method
	1000 ml	0.0628 ml	Gravimetric Method
	100 ml	0.00617 ml	Gravimetric Method
	10 ml	0.00063 ml	Gravimetric Method
	1 ml	0.00010 ml	Gravimetric Method
	100 gal	17.088 ml	Gravimetric Method
	50 gal	13.000 ml	Gravimetric Method
	25 gal	10.160 ml	Gravimetric Method

(See 'How To Use This Directory' on page 7.)

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
	5 gal	0.309 in^3	Volumetric Provers (Volumetric Transfer Method)
	1500 gal	35.372 in^3	Large Volume Provers (Volumetric Transfer Method)
	1000 gal	24.243 in^3	Large Volume Provers (Volumetric Transfer Method)
	500 gal	13.063 in^3	Large Volume Provers (Volumetric Transfer Method)
	100 gal	3.797 in^3	Large Volume Provers (Volumetric Transfer Method)
	100 gal	11.97 in^3	LPG Provers (Volumetric Transfer Method)
THERMODYNAMICS			
20/T03 **Laboratory Thermometers**			
	Triple Point of Water	0.00061 °C	Liquid-in-glass, digital thermometers
	10 °C	0.00542 °C	Liquid-in-glass, digital thermometers
	20 °C	0.00494 °C	Liquid-in-glass, digital thermometers
	30 °C	0.00502 °C	Liquid-in-glass, digital thermometers
	40 °C	0.00512 °C	Liquid-in-glass, digital thermometers
	50 °C	0.00522 °C	Liquid-in-glass, digital thermometers
	60 °C	0.00532 °C	Liquid-in-glass, digital thermometers
	70 °C	0.00543 °C	Liquid-in-glass, digital thermometers
	80 °C	0.00555 °C	Liquid-in-glass, digital thermometers
	90 °C	0.00568 °C	Liquid-in-glass, digital thermometers
	100 °C	0.00580 °C	Liquid-in-glass, digital thermometers
	150 °C	0.00607 °C	Liquid-in-glass, digital thermometers

(See 'How To Use This Directory' on page 7.)

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)*[note 1]	*Remarks*
	200 °C	0.00754 °C	Liquid-in-glass, digital thermometers
	250 °C	0.00921 °C	Liquid-in-glass, digital thermometers
	350 °C	0.01473 °C	Liquid-in-glass, digital thermometers
	400 °C	0.01859 °C	Liquid-on-glass, digital thermometers
	450 °C	0.02252 °C	Liquid-in-glass, digital thermometers
	500 °C	0.02649 °C	Liquid-in-glass, digital thermometers

1. Represents an expanded uncertainty using a coverage factor, k=2

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105004-0

U.S. ARMY PRIMARY STANDARDS LABORATORY
Attn: AMSAM-TMD-S
Redstone Arsenal, AL 35898-5400
Contact: Dr. James R. Jones
Phone: 205-876-2666 Fax: 205-876-6014
E-Mail: jjones@redstone.army.mil
URL: http://tmdehome.redstone.army.mil/apsl/

Accreditation Valid Through: December 31, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
ELECTROMAGNETICS/DC-LOW FREQUENCY			
20/E06 DC Volts			
	0 - 10 volts	0.04 ppm	Josephson Array System
TIME AND FREQUENCY			
20/F01 Frequency			
	0.1 MHz	1×10^{-12}	NIST FMS System
	1 MHz	1×10^{-12}	NIST FMS System
	5 MHz	1×10^{-12}	NIST FMS System
	10 MHz	1×10^{-12}	NIST FMS System
THERMODYNAMICS			
Resistance Thermometry 20/T07			
	0.01 °C	0.001 °C	Triple Point of Water
	-189.3442 to -38.8344 °C	0.002 °C	Triple Point of Argon & Mercury
	29.7646 °C	0.002 °C	Melting Point of Gallium
	231.928 to 419.527 °C	0.002 °C	Freeze Point of Tin & Zinc
IONIZING RADIATION			
Radioactive Sources 20/I04			
	0 to 1×10^6 Bq	5 %	Large Area Sources, ^{238}Pu, ^{239}Pu

 (See 'How To Use This Directory' on page 7.)

ELECTROMAGNETICS/RF MICROWAVE

RF/Microwave Bolometer Units
20/R12

Frequency	*Calibration Factor*	
0.0001 to 18 GHz	0.7 to 2.0 %	Coaxial, Type N Connector
7 to 10 GHz	2.0%	H Band (WR-112) Waveguide
8.2 to 12.4 GHz	1.8%	X Band WR-90) Waveguide
12.4 to 18.0 GHz	2.0%	Ku Band (WR-62) Waveguide
18.0 to 26.5 GHz	2.5%	K Band (WR-42) Waveguide
26.5 to 40.0 GHz	2.5%	Ka Band (WR-28) Waveguide
43.0 to 45.0 GHz	4.0%	Q Band (WR-22) Waveguide
58.0 to 62.0 GHz	3.0%	V Band (WR-15) Waveguide
93.0 to 96.0 GHz	4.0%	W Band (WR-10) Waveguide

1. Represents an expanded uncertainty using a coverage factor, k=2

NVLAP LAB CODE 105007-0

STATE OF VIRGINIA METROLOGY LAB
1 North 14th Street, Room 025
Richmond, VA 23219-3691
Contact: Mr. Michael J. Kramer
Phone: 804-786-0479 Fax: 804-371-0351

Accreditation Valid Through: September 30, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
MECHANICAL			
20/M08 Mass			
	500 kg	4567 mg	Tolerance Test
	300 kg	4567 mg	Tolerance Test
	200 kg	2755 mg	Tolerance Test
	100 kg	2755 mg	Tolerance Test
	50 kg	278.9 mg	Tolerance Test
	30 kg	277.9 mg	Tolerance Test
	25 kg	277.5 mg	Tolerance Test
	20 kg	277.4 mg	Tolerance Test
	10 kg	277.1 mg	Tolerance Test
	5 kg	277.2 mg	Tolerance Test
	3 kg	277.2 mg	Tolerance Test
	2 kg	1.56 mg	Tolerance Test
	1 kg	0.576 mg	Tolerance Test
	500 g	0.267 mg	Tolerance Test
	300 g	0.266 mg	Tolerance Test
	200 g	0.266 mg	Tolerance Test
	100 g	0.033 mg	Tolerance Test
	50 g	0.028 mg	Tolerance Test
	30 g	0.027 mg	Tolerance Test
	20 g	0.026 mg	Tolerance Test
	10 g	0.014 mg	Tolerance Test
	5 g	0.009 mg	Tolerance Test
	3 g	0.008 mg	Tolerance Test
	2 g	0.008 mg	Tolerance Test
	1 g	0.007 mg	Tolerance Test

 (See 'How To Use This Directory' on page 7.)

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
	500 mg	0.0048 mg	Tolerance Test
	300 mg	0.0048 mg	Tolerance Test
	200 mg	0.0047 mg	Tolerance Test
	100 mg	0.0047 mg	Tolerance Test
	50 mg	0.0047 mg	Tolerance Test
	30 mg	0.0047 mg	Tolerance Test
	20 mg	0.0047 mg	Tolerance Test
	10 mg	0.0047 mg	Tolerance Test
	5 mg	0.0047 mg	Tolerance Test
	3 mg	0.0047 mg	Tolerance Test
	2 mg	0.0047 mg	Tolerance Test
	1 mg	0.0047 mg	Tolerance Test
DIMENSIONAL			
20/D13 **Survey Rods and Tapes**			
	0 to 25 ft	0.0015 inches	Metal Tapes (Bench Method)
	25 to 50 ft	0.003 inches	Metal Tapes (Bench Method)
	50 to 75 ft	0.0045 inches	Metal Tapes (Bench Method)
	75 to 100 ft	0.006 inches	Metal Tapes (Bench Method)
	0 to 25 ft	0.003 inches	Steel Tapes (Tape to Tape)
	25 to 50 ft	0.006 inches	Steel Tapes (Tape to Tape)
	50 to 75 ft	0.009 inches	Steel Tapes (Tape to Tape)
	75 to 100 ft	0.012 inches	Steel Tapes (Tape to Tape)
MECHANICAL			
20/M12 **Volume and Density**			
	1.0 gill	0.002 gill	Volume Transfer
	0.5 pint	0.001 pint	Volume Transfer
	1.0 pint	0.0005 pint	Volume Transfer
	1.0 quart	0.0002 quart	Volume Transfer
	0.5 gallon	0.0002 gallon	Volume Transfer

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
	1.0 gallon	0.00016 gallon	Volume Transfer
	50 mL	0.13 mL	Volume Transfer
	100 mL	0.26 mL	Volume Transfer
	200 mL	0.26 mL	Volume Transfer
	500 mL	0.26 mL	Volume Transfer
	1 Liter	0.0003 Liter	Volume Transfer
	2 Liter	0.0003 Liter	Volume Transfer
	5 Liter	0.0003 Liter	Volume Transfer
	5 gallon	0.0034 gallon	Volume Transfer
	100 gallon	0.05 gallon	Volume Transfer
	> 100 gallon	0.05 gallon or 12 $in.^3$	Volume Transfer
THERMODYNAMICS			
20/T03 **Laboratory Thermometers**			
	0 °C to 85 °C	0.2 °C	Liquid-in-glass
TIME AND FREQUENCY			
20/F01 **Frequency**			
	1000 to 6000 Hz	0.047 mph	Tuning forks at frequencies used in law enforcement converted to miles per hour (mph)

1. Represents an expanded uncertainty using a coverage factor, k=2

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105013-0

HENRY TROEMNER, INC.
6825 Greenway Avenue
Philadelphia, PA 19142-1294
Contact: Mr. Wilbert D. Abele
Phone: 215-724-0800 Fax: 215-724-9663
E-Mail: troemner@troemner.com

Accreditation Valid Through: September 30, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)* [notes 1,2]	*Remarks* [note 3]
MECHANICAL			
20/M08 Mass			
	30 kg	12.41 mg	
	20 kg	9.24 mg	
	10 kg	2.80 mg	
	5 kg	1.50 mg	
	3 kg	1.00 mg	
	2 kg	0.70 mg	
	1 kg	0.070 mg	
	500 g	0.040 mg	
	300 g	0.030 mg	
	200 g	0.030 mg	
	100 g	0.0112 mg	
	50 g	0.0056 mg	
	30 g	0.0120 mg	
	20 g	0.0081 mg	
	10 g	0.0060 mg	
	5 g	0.0040 mg	
	3 g	0.0040 mg	
	2 g	0.0026 mg	
	1 g	0.0025 mg	
	500 mg	0.0017 mg	
	300 mg	0.0010 mg	
	200 mg	0.0010 mg	
	100 mg	0.0010 mg	
	50 mg	0.0008 mg	

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)* [notes 1,2]	*Remarks* [note 3]
	30 mg	0.0007 mg	
	20 mg	0.0007 mg	
	10 mg	0.0010 mg	
	5 mg	0.0008 mg	
	3 mg	0.0007 mg	
	2 mg	0.0007 mg	
	1 mg	0.0004 mg	
20/M08			
Mass			
			Class III Tolerance Testing
	1000 kg	10.34 g	Class III Facility
	500 kg	5.03 g	Class III Facility
	200 kg	3.26 g	Class III Facility
	100 kg	1.64 g	Class III Facility
	50 kg	0.087 g	Class III Facility
	30 kg	0.072 g	Class III Facility
	25 kg	0.066 g	Class III Facility
	20 kg	0.057 g	Class III Facility
	10 kg	0.024 g	Class III Facility
	5 kg	18.30 mg	Class III Facility
	3 kg	16.77 mg	Class III Facility
	2 kg	11.52 mg	Class III Facility
	1 kg	10.09 mg	Class III Facility
	500 g	10.02 mg	Class III Facility
	300 g	10.01 mg	Class III Facility
20/M08			
Mass			
	3000 lb	16.791 g	Class III Facility
	2500 lb	13.551 g	Class III Facility
	2000 lb	10.312 g	Class III Facility
	1000 lb	5.178 g	Class III Facility
	500 lb	3.841 g	Class III Facility
	100 lb	0.088 g	Class III Facility

(See 'How To Use This Directory' on page 7.)

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)* [notes 1,2]	*Remarks* [note 3]
	50 lb	0.054 g	Class III Facility
	30 lb	0.046 g	Class III Facility
	25 lb	0.035 g	Class III Facility
	20 lb	0.029 g	Class III Facility
	10 lb	0.018 g	Class III Facility
	5 lb	10.572 mg	Class III Facility
	3 lb	10.127 mg	Class III Facility
	2 lb	10.093 mg	Class III Facility
	1 lb	10.019 mg	Class III Facility
	0.5 lb	10.005 mg	Class III Facility

1. Represents expanded uncertainty using a coverage factor, k=2.
2. Approximate value. Actual value determined by the test statistics
3. Class III Facility located at 700 Carpenters Crossing, Folcroft, PA 19032

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105014-0

SOUTHERN CALIFORNIA EDISON COMPANY
7300 Fenwick Lane
Westminster, CA 92683
Contact: Mr. Jack Burdick
Phone: 714-895-0422 Fax: 714-895-0686
E-Mail: burdicjj@sce.com

Accreditation Valid Through: March 31, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)* note 1 & 2	*Remarks*
DIMENSIONAL			
20/D03 Gage Blocks			
	thru 1 in	3.0μin	Direct Comparison
	>1.0 thru 6.0 in	3.0μin + 1μin/in	Direct Comparison
	7.0 in	7.0μin	Direct Comparison
	8.0 in	7.0μin	Direct Comparison
	10.0 in	7.0μin	Direct Comparison
	12.0 in	7.0μin	Direct Comparison
	16.0 in	10.0μin	Direct Comparison
	20.0 in	10.0μin	Direct Comparison
MECHANICAL			
20/M08 Mass			
	30 kg	41.0 mg	
	20 kg	29.5 mg	
	10 kg	10.0 mg	
	5 kg	3.5 mg	
	2 kg	2.8 mg	
	1 kg	0.250 mg	
	500 g	0.125 mg	
	200 g	0.080 mg	
	100 g	0.048 mg	
	50 g	0.0295 mg	
	20 g	0.020 mg	
	10 g	0.0195 mg	

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)* [note 1 & 2]	*Remarks*
	5 g	0.0080 mg	
	2 g	0.0070 mg	
	1 g	0.0060 mg	
	500 mg	0.0040 mg	
	200 mg	0.0025 mg	
	100 mg	0.0016 mg	
	50 mg	0.0016 mg	
	20 mg	0.0013 mg	
	10 mg	0.0013 mg	
	5 mg	0.0013 mg	
	2 mg	0.0011 mg	
	1 mg	0.0011 mg	
ELECTROMAGNETICS - DC/LOW FREQUENCY			
20/E06			
DC Voltage			
	10.00 V	0.4 ppm	Reference Cells
	1.018 V	0.47 ppm	
	1.000 V	0.47 ppm	
	100 mV	2.6 ppm	Meters and Multifunction Calibrators
	1.0 V	1.1 ppm	
	10.0 V	1.1 ppm	
	100.0 V	1.1 ppm	
	1000.0 V	1.2 ppm	

1. Represents an expanded uncertainty using a coverage factor, k=2
2. Approximate value. Actual value determined by the test statistics.

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105016-0

FLUKE CORPORATION PRIMARY STANDARDS LABORATORY
6920 Seaway Boulevard
P.O. Box 9090
Everett, WA 98206-9090
Contact: Mr. Raymond D. Kletke
Phone: 425-356-5694 Fax: 425-356-5649
E-Mail: rdk@tc.fluke.com

Accreditation Valid Through: June 30, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)*[note 1]	*Remarks*
ELECTROMAGNETICS - DC/LOW FREQUENCY			
20/E06 **DC Voltage**			
Reference Standards			
	10.00 V	0.02 ppm[note 2]	Direct Comparison - in lab
	10.00 V	0.06 ppm[note 2]	Direct Comparison - remote location
Well Isolated DC Sources or Voltmeters			
	200 μV to 10 V	0.1(V)$^{0.3}$ μV[note 2]	Direct against J Array
	10 V to 100 V	0.7 ppm[note 2]	J Array & Divider
	100 V to 1000 V	1.0 ppm[note 2]	J Array & Divider
Calibrators or Digital Voltmeters			
	0.1 V	4.5 ppm	Transfer Method
	1.0 V	1.0 ppm	Transfer Method
	10.0 V	0.4 ppm	Transfer Method
	100.0 V	0.7 ppm	Transfer Method
	1000.0 V	1.0 ppm	Transfer Method

NVLAP Code: 20/E01
AC/DC Difference for Low Frequency Voltage

Best Uncertainty in ppm(±)[note 1]

Frequency in Hertz

Range	*Level*	*10*	*20*	*40*	*100*	*1k*	*10k*	*20k*	*50k*	*100k*	*300k*	*500k*	*800k*	*1M*
22 mV	2 mV	800	700	600	600	600	600	600	600	700	1000	1200	1500	1500
22 mV	6 mV	350	200	200	200	200	200	200	200	200	300	300	300	300
22 mV	10 mV	280	100	100	100	100	100	100	200	300	400	500	600	600
22 mV	20 mV	200	120	100	100	100	100	100	150	300	500	600	800	800
220 mV	20 mV	150	120	100	100	100	100	100	150	300	500	600	800	800
220 mV	60 mV	200	60	60	40	40	40	40	80	100	160	200	300	300
220 mV	100 mV	120	50	35	35	35	30	30	60	120	180	250	325	325
220 mV	200 mV	100	60	39	26	26	26	26	40	80	130	200	280	280
700 mV	200 mV	100	60	40	30	30	30	30	45	100	130	220	270	270
700 mV	600 mV	150	40	28	20	20	20	20	35	55	100	110	110	110
2.2 V	0.6 V	150	40	28	20	20	20	20	35	55	100	110	110	110
2.2 V	1 V	150	40	28	10	10	10	10	35	45	100	110	110	110
2.2 V	2 V	150	40	20	7	7	7	7	35	45	100	110	110	110
7 V	2 V	150	40	25	10	10	10	10	35	45	100	110	110	110
7 V	6 V	150	40	20	8	8	8	8	35	45	100	110	110	110
22 V	6 V	150	40	25	10	10	10	10	40	45	100	110	110	110
22 V	10 V	150	40	25	13	13	13	13	35	45	100	110	110	110
22 V	20 V	150	40	20	13	13	13	13	35	45	100	110	110	110
70 V	20 V	150	40	25	20	20	20	20	40	50	100	110	110	110
70 V	60 V	150	40	20	15	15	15	15	40	55	100			
220 V	60 V	150	40	25	15	15	15	15	40	55	100			
220 V	100 V	150	40	27	17	17	17	17	40	55				
220 V	200 V	150	40	26	16	16	16	16	45	65				
1000 V	200 V	150	50	30	20	20	20	20	50	65				
1000 V	600 V	150	50	30	26	26	26	26	45	65				
1000 V	1000 V	150	50	26	20	20	26	26	45	65				

NVLAP Code/Parameters	*Frequency*	*Best Uncertainty (±)[note 1]*	*Range*
20/E01			
AC/DC Difference for High Frequency Thermal Voltage Converters			
	50 kHz	0.01 %	.05 through 100 volt units
	1 MHz	0.05 %	.05 through 100 volt units
	2 MHz	0.05 %	3 volt unit
	10 MHz	0.1 %	.05 through 100 volt units
	20 MHz	0.15 %	2, 3, and 20 volt units
	20 MHz	0.2 %	0.5, 1, 5, 10, 30, 50, and 100 volt units
	30 MHz	0.2 %	.05 through 100 volt units
	50 MHz	0.5 %	.05 through 100 volt units
	100 MHz	1.0 %	.05 through 100 volt units

NVLAP Code: 20/E09
LF AC Voltage

Best Uncertainty in ppm (±)[note 1]

Frequency in Hertz

Range	*10*	*20*	*40*	*100*	*1k*	*10k*	*20k*	*50k*	*100k*	*300k*	*500k*	*800k*	*1 M*
2 mV	1000	1000	800	800	800	800	800	800	1000	1300	1600	2000	2000
6 mV	500	300	300	300	300	300	300	300	300	500	500	500	500
10 mV	300	150	150	150	150	150	150	300	400	500	600	700	700
20 mV	250	200	130	130	130	130	130	200	350	600	700	1000	1000
60 mV	220	80	80	55	55	55	55	100	150	250	300	400	400
100 mV	150	75	50	42	42	38	38	66	130	200	300	400	400
200 mV	120	80	55	32	32	32	32	45	100	150	250	350	350
600 mV	170	50	34	25	25	25	25	40	62	110	130	150	150
1 V	160	50	34	15	15	15	15	38	50	110	130	180	180
2 V	160	50	30	13	13	13	13	38	50	110	130	180	180
6 V	160	50	30	13	13	13	13	38	50	110	130	180	180
10 V	160	50	30	18	18	18	18	38	50	110	130	180	180
20 V	160	50	30	18	18	18	18	38	50	110	130	180	180
60 V	160	50	30	22	22	22	22	45	60	110			
100 V	160	50	35	22	22	22	22	45	60				
200 V	160	50	35	22	22	22	22	50	70				
600 V	160	60	40	32	32	32	32	50	80				
1000 V	160	60	40	25	25	30	30	50	80				

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[note 1]*	*Remarks*
20/E05			
DC Current			
	to 19 μA	12 ppm	Calibrators or DMMs
	100 μA to 190 μA	5 ppm	Calibrators or DMMs
	1.0 mA to 1.9 mA	5 ppm	Calibrators or DMMs
	10 mA to 19 mA	12 ppm	Calibrators or DMMs
	100 mA to 190 mA	12 ppm	Calibrators or DMMs
	1.0 A to 1.9 A	15 ppm	Calibrators or DMMs
	10 A	30 ppm	Calibrators or DMMs

NVLAP Code: 20/E02
AC Current

Best Uncertainty in ppm (±)[note 1] for Calibrators or DMMs

Frequency

Current	*10Hz*	*20Hz*	*40Hz*	*400Hz*	*1kHz*	*5kHz*	*10kHz*
19 μA	250	200	200	200	200	200	200
100 μA	200	80	60	60	60	60	60
190 μA	200	80	50	50	50	50	50
1 mA	200	80	50	50	50	50	50
1.9 mA	150	80	40	40	40	40	40
10 mA	360	130	80	110	80	110	110
19 mA	360	120	75	110	70	110	110
100 mA	360	130	80	115	80	115	115
190 mA	360	120	80	115	70	115	115
1.0 A			140	160	160	160	200
1.9 A			140	160	160	160	200
10 A			110	160	100	160	200

NVLAP Code: 20/E01
AC/DC Difference for Low Frequency Thermal Current Converters and Shunts

Best Uncertainty (±)[note 1]

Frequency in Hertz

Range	*10*	*20*	*40*	*400*	*1k*	*5k*	*10k*	*20k*	*50k*	*100k*
10 mA				0.01				0.01	0.015	0.025
20 mA	0.031	0.01	0.005	0.01	0.005	0.01	0.01	0.01	0.015	0.025
30 mA				0.01				0.01	0.015	0.025
50 mA				0.01				0.01	0.015	0.025
0.1 A				0.01				0.01	0.015	0.025
0.2 A	0.031	0.01	0.005	0.01	0.005	0.01	0.01	0.01	0.015	0.025
0.3 A				0.01				0.01	0.015	0.025
0.5 A				0.01				0.01	0.015	0.025
1.0 A				0.01				0.01	0.015	0.025
2.0 A			0.01	0.01	0.01	0.01	0.01	0.01	0.015	0.025
3.0 A				0.01				0.01	0.015	0.025
5.0 A				0.01				0.01	0.015	0.025
10.0 A			0.01	0.015	0.01	0.015	0.015	0.016	0.025	
20.0 A				0.015				0.015	0.025	

NVLAP Code/ Parameters	*Range in ohms*	*Best Uncertainty (±)[note 1]*	*Remarks*
20/E05			
DC Resistance			
	0.001 to <0.01	1.5 ppm	
	0.01 to <1	0.6 ppm	
	1 to <11	0.4 ppm	
	11 to <110	0.45 ppm	
	110 to <190	0.55 ppm	
	190 to <11 k	0.5 ppm	
	11 k to <19 k	0.55 ppm	
	19 k to <110 k	0.5 ppm	
	110 k to <1.1 M	1.4 ppm	
	1.9 M	5 ppm	
	10 M	6 ppm	

NVLAP Code/ Parameters	*Range in ohms*	*Best Uncertainty (±)*[note 1]	*Remarks*
	19 M	7 ppm	
	100 M	25 ppm	

1. Represents an expanded uncertainty at a level of confidence of 99%; coverage factor k is determined by the test statistics.
2. Approximate value. Actual value determined by the test statistics.

NVLAP LAB CODE 105017-0

LOCKHEED MARTIN MISSILES & SPACE
1111 Lockheed Way, P.O. Box 3504
Bldg. 195A, Org. 48-70
Sunnyvale, CA 94089-3504
Contact: Dr. Klaus B. Jaeger
Phone: 408-756-0270 Fax: 408-742-4435
E-Mail: klaus.jaeger@lmco.com

Accreditation Valid Through: December 31, 1998

DIMENSIONAL

NVLAP Code: 20/D03
Gage Blocks

	Range	*Best Uncertainty (±)* [note 2]	*Remarks*
He-Ne Laser			
	633 nm	0.0014 ppm	Comparison
NPL-Tesa Interferometer			
	0.01 - 12 in	(21.2+0.32L(mm))nm	Interferometer
Gage Block Sets			
	5.0 - 12 in	2 - 4 μin	Interferometer
	0.01 - 12 in	1 - 4 μin	Interferometer
	0.3 - 100 mm	44 - 76 nm	Interferometer
	0.01 - 12 in	2.6 - 11 μin	Comparator
	16 - 20 in	16 μin	Comparator
	0.3 - 100 mm	30 - 95 nm	Comparator

ELECTROMAGNETIC - DC/LOW FREQUENCY

NVLAP Code: 20/E01
Thermal Voltage Converters

Single-Range Coaxial Thermal Voltage Converters (Best uncertainty (±) in μV/V or 10^{-6}) [note 2]

Frequency in Hertz

Range	*10*	*20*	*40*	*100*	*1k*	*20k*	*50k*	*100k*	*200k*	*300k*	*500k*	*1M*
1 V	20	16	14	10	12	12	32	48	-	84	84	84
3 V	20	16	20	10	10	10	32	48	-	84	84	84
6 V	20	16	16	10	10	10	40	48	-	84	84	84
10 V	20	16	16	10	10	10	32	48	-	84	84	84
30 V	24	18	16	14	10	14	32	48	84	-	-	-
60 V	24	18	16	14	10	14	32	48	84	-	-	-

 (See 'How To Use This Directory' on page 7.)

Single-Range Coaxial Thermal Voltage Converters (Best uncertainty (±) in μV/V or 10^{-6}) note 2

Frequency in Hertz

100 V	24	18	16	16	16	16	38	60	86 note 6	-	-	-
300 V	150 note 6	40 note 6	40 note 6	16	24	16	38	60	-	-	-	-
600 V	150 note 6	40 note 6	40 note 6	20	20	20	38	60 note 6	-	-	-	-
1000 V	150 note 6	40 note 6	50 note 6	46	36	32	40 note 6	60 note 6	-	-	-	-

Multi-Range Coaxial Thermal Voltage Converters (Best uncertainty (±) in μV/V or 10^{-6}) note 2

Frequency in Hertz

Range	*50*	*1k*	*10k*	*20k*	*30k*	*50k*	*100k*	*200k*	*500k*	*1M*
0.5 V	36	-	-	56	-	52	66	-	126	154
1 V	38	-	-	44	-	56	72	-	120	142
2 V	38	-	-	44	-	56	72	-	120	142
3 V	38	-	-	44	-	70	82	-	120	142
5 V	38	-	-	44	-	70	82	-	120	142
10 V	56	-	-	60	-	70	82	-	120	142
20 V	56	-	-	60	-	70	82	122	-	-
30 V	56	-	-	62	-	70	82	134	-	-
50 V	78	-	-	62	-	90	108	198	-	-
100 V	78	-	-	62	-	92	110	-	-	-
200 V	78	-	-	84	-	92	126	-	-	-
300 V	82	-	92	-	94	92	150	-	-	-
500 V	82	-	92	-	96	104	-	-	-	-
1000 V	88	90	92	102	-	-	-	-	-	-

(See 'How To Use This Directory' on page 7.)

NVLAP Code: 20/E05
DC Resistance

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
Quantum Hall Effect	0.014 ppm	Intrinsic Standard
6453.20175 ohms	0.090 ppm	Primary Transfer Set
1 ohm	0.126 ppm	Primary Reference Transfer
10k ohms	0.176 ppm	Primary Reference Transfer
0.001 ohms	0.84 ppm	Primary Reference
0.01 ohms	0.84 ppm	Primary Reference
0.1 ohms	0.92 ppm	Primary Reference
1.0 ohms	0.143 ppm	Primary Reference
10.0 ohms	0.156 ppm	Primary Reference
100.0 ohms	0.204 ppm	Primary Reference
1k ohms	0.271 ppm	Primary Reference
10k ohms	0.193 ppm	Primary Reference
100k ohms	1.20 ppm	Primary Reference
1M ohms	1.90 ppm	Primary Reference

	Secondary (ppm)		Working Sets (ppm)		
Value	**Set I**	**Set II**	**AC/DC I**	**AC/DC II**	**Bridge**
Cal Medium	Oil	Oil	Oil	Oil	Air
Use Medium	Air	Oil	Air	Air	Air
0.0001 ohms	-	-	-	-	50
0.001 ohms	2.41	-	0.52	-	50
0.01 ohms	1.55	-	1.99	-	50
0.1 ohms	1.61	-	1.04	-	50
1.0 ohms	0.58	0.33	0.35	0.20	50
10.0 ohms	0.40	0.40	0.54	0.87	50
100.0 ohms	0.60	0.32	1.12	1.49	50
1k ohms	0.68	0.38	4.11	1.31	50
10k ohms	0.77	0.68	1.53	1.89	50
10k ohms	-	0.42[note 4]	-	-	-
100k ohms	2.44	1.33	4.57	1.17	50
1M ohms	4.00	-	4.98	7.93	-

 (See 'How To Use This Directory' on page 7.)

ELECTROMAGNETIC - DC/LOW FREQUENCY

NVLAP Code: 20/E06
DC Voltage

	Range	*Best Uncertainty (±)* [note 1]	*Remarks*
AJJ			
	10.0 volts	0.0097 ppm	Intrinsic Standard
Zeners			
	10.0 volts	0.014 ppm	Primary Transfer Set
	1.0 volt	0.110 ppm	Primary Transfer Set
	1.018 volts	0.102 ppm	Primary Transfer Set
	10.0 volts	0.2 ppm [note 3]	Commercial/Working Standards
	1.0 volt	0.2 ppm [note 3]	Commercial/Working Standards
	1.018 volts	0.2 ppm [note 3]	Commercial/Working Standards
Standard Reference (transvolt)			
	1.018 volts	0.9 ppm [note 3]	Commercial/Working Standards

NVLAP Code: 20/E10
LF Capacitance

Range	*Best Uncertainty (±)* [note 2]	*Remarks*
Capacitance (Automatic Bridge, All Connectors)		
1.0-1000 pF @ 1 kHz	0.00048%	Direct/Substitution Measurement
Capacitance (GR878 Connector, 3 Terminal)		
0.1pF@ 1 kHz	0.0085 %	Direct Measurement
1.0pF @ 1 kHz	0.00079 %	Direct Measurement
10.0 pF @ 1 kHz	0.0039 %	Substitution Method
100.0 pF @ 1 kHz	0.0039%	Substitution Method
10000.0 pF @ 1 kHz	0.0089 %	Direct Measurement
Capacitance (BNC Connector, 3 Terminal)		
1.0 pF @ 1 kHz	0.00063 %	Direct Measurement
10.0 pF @ 1 kHz	0.00034 %	Substitution Method
100.0 pF @ 1 kHz	0.00026 %	Substitition Method
100.0 pF @ 1 kHz	0.0098 %	Direct Measurement
300.0 pF @ 1 kHz	0.0098 %	Direct Measurement
500.0 pF @ 1 kHz	0.0098 %	Direct Measurement
1000.0 pF @ 1 kHz	0.00056 %	Direct Measurement

Range	*Best Uncertainty (±)* [note 2]	*Remarks*
Capacitance (GR900 Connector, 2 Terminal)		
1.0 pF @ 1 kHz	0.39 %	Direct Measurement
2.0 pF @ 1 kHz	0.19 %	Direct Measurement
5.0 pF @ 1 kHz	0.078 %	Direct Measurement
10.0 pF @ 1 kHz	0.040 %	Direct Measurement
100.0 pF @ 1 kHz	0.013 %	Susbstitution Method
1000.0 pF @ 1 kHz	0.0059 %	Direct Measurement
10000.0 pF @ 1 kHz	0.0059 %	Direct Measurement
Capacitance (HP-BNC Connector, 4 Terminal)		
1.0 pF @ 1 kHz	0.0079 %	Direct Measurement
10.0 pF @ 1 kHz	0.0059%	Direct Measurement
100.0 pF @ 1 kHz	0.0059 %	Direct Measurement
1000.0 pF @ 1 kHz	0.0059 %	Direct Measurement
Capacitance (Banana and Binding Post, 2 or 3 Terminal)		
100.0 pF @ 1 kHz	0.0049 %	Direct Measurement
1.0 nF @ 1 kHz	0.009 %	Direct Measurement
2.0 nF @ 1 kHz	0.0089 %	Direct Measurement
5.0 nF @ 1 kHz	0.0089 %	Direct Measurement
10.0 nF @ 1 kHz	0.0089 %	Direct Measurement
20.0 nF @ 1 kHz	0.0089 %	Direct Measurement
50.0 nF @ 1 kHz	0.0091 %	Direct Measurement
0.1 uF @ 1 kHz	0.0091 %	Direct Measurement
0.2 uF @ 1 kHz	0.011 %	Direct Measurement
0.5 uF @ 1 kHz	0.018 %	Direct Measurement
1.0 uF @ 1 kHz	0.022 %	Direct Measurement

NVLAP Code: 20/E13
Magnetics: Permanent Magnets, Transverse

Range	*Best Uncertainty (±)* [note 2]	*Method*
0.05 Tesla	0.10 %	Direct Transfer
0.1 Tesla	0.58 %	Direct Transfer
0.2 Tesla	0.14 %	Direct Transfer
0.3 Tesla	0.24 %	Direct Transfer
0.5 Tesla	0.46 %	Direct Transfer
1.0 Tesla	0.08 %	Direct Transfer

TIME AND FREQUENCY

NVLAP Code: 20/F01
Frequency Dissemination

Range	*Best Uncertainty (±)* [note 2]	*Remarks*
Frequency Accuracy: Cesium Beam		
1.0 MHz	2.16×10^{-13}	Primary Reference/Working Standard
5.0 MHz	2.16×10^{-13}	Primary Reference/Working Standard
10.0 MHz	2.16×10^{-13}	Primary Reference/Working Standard

NVLAP Code: 20/F03
Oscillator Characterization

Range	*Best Uncertainty (±)* [note 2]	*Remarks* [note 5]
Phase Noise (5 MHz Carrier)		
Offset Frequency	System Noise Floor	
1 Hz	2.48 dB	-119.19 dBc/Hz
2 Hz	2.48 dB	-130.81 dBc/Hz
5 Hz	2.48 dB	-139.83 dBc/Hz
10 Hz	2.48 dB	-144.79 dBc/Hz
20 Hz	2.48 dB	-148.30 dBc/Hz
50 Hz	2.48 dB	-153.00 dBc/Hz
100 Hz	2.48 dB	-157.48 dBc/Hz
200 Hz	2.48 dB	-160.82 dBc/Hz
500 Hz	2.48 dB	-164.74 dBc/Hz
1000 Hz	2.48 dB	-168.36 dBc/Hz
2000 Hz	2.48 dB	-169.98 dBc/Hz
5000 Hz	2.48 dB	-172.40 dBc/Hz
10000 Hz	2.48 dB	-173.12 dBc/Hz
20000 Hz	2.48 dB	-173.90 dBc/Hz
50000 Hz	2.48 dB	-173.88 dBc/Hz
100000 Hz	2.48 dB	-174.18 dBc/Hz
Phase Noise (10 MHz Carrier)		
1 Hz	2.48 dB	-113.67 dBc/Hz
2 Hz	2.48 dB	-125.75 dBc/Hz
5 Hz	2.48 dB	-136.63 dBc/Hz
10 Hz	2.48 dB	-143.17 dBc/Hz

Range	*Best Uncertainty (±)* [note 2]	*Remarks* [note 5]
20 Hz	2.48 dB	-148.10 dBc/Hz
50 Hz	2.48 dB	-153.08 dBc/Hz
100 Hz	2.48 dB	-156.91 dBc/Hz
200 Hz	2.48 dB	-159.86 dBc.Hz
500 Hz	2.48 dB	-163.57 dBc/Hz
1000 Hz	2.48 dB	-166.96 dBc/Hz
2000 Hz	2.48 dB	-168.45 dBc/Hz
5000 Hz	2.48 dB	-168.94 dBc/Hz
10000 Hz	2.48 dB	-169.67 dBc/Hz
20000 Hz	2.48 dB	-168.54 dBc/Hz
50000 Hz	2.48 dB	-169.28 dBc/Hz
100000 Hz	2.48 dB	-171.02 dBc/Hz
Amplitude Noise (5 MHz Carrier)		
1 Hz thru 1 MHz	2.48 dB	Note 5
Amplitude Noise (10 MHz Carrier)		
1 Hz thru 1 MHz	2.48 dB	Note 5
Amplitude Noise (10.6 GHz Carrier)		
10 Hz thru 1 MHz	2.48 dB	Note 5

MECHANICAL

NVLAP Code: 20/M11
Acceleration

Range	*Best Uncertainty (±)* [note 2]	*Remarks*
10 Hz @ 2 g	3.6%	Double Displacement
15 Hz @ 5 g	2.6%	Back to Back Cal
30-50Hz @10 g	2.6%	Back to Back Cal
100 Hz @ 5 g	1.6%	Back to Back Cal
100-2000 Hz @ 10g	1.6%	Back to Back Cal
2000 Hz @ 5 g	1.4%	Double Displacement
2.5 - 10 kHz	4.2%	Back to Back Cal

1. Represents an expanded uncertainty using a coverage factor, k=1
2. Represents an expanded uncertainty using a coverage factor, k=2
3. Approximate value. Actual value determined by the test statistics.
4. Cal medium = air. Use medium = air.
5. External customer oscillator AM or PM noise must be >20 dB above system noise floor. Oscillators with lower noise levels are individually analyzed with correspondingly higher uncertainties.
6. Manual measurements to be performed.

NVLAP LAB CODE 105018-0

CDRH X-RAY CALIBRATION LABORATORY
12720 Twinbrook Parkway, HFZ-143
Rockville, MD 20857
Contact: Mr. Frank Cerra
Phone: 301-443-2536 x23 Fax: 301-443-9101
E-Mail: fxc@cdrh.fda.gov
URL: http://www.fda.gov/cdrh

Accreditation Valid Through: December 31, 1998

This facility has demonstrated compliance with the NVLAP Criteria for Calibration Laboratories under the field of Ionizing Radiation for the following:

Procedures/Instruments	*Radiation Types*
Calibration of Survey Instruments	X-ray Beam Codes M30, M50, L80, L100, and M100 over the Exposure Rate Range 2 mR/s to 100 mR/s, and the H50 Beam Code over the range 0.5 mR/h to 4 mR/s, with total uncertainty in the reference field value of ± 5 percent.
Calibration of Instruments for Diagnostic Level	X-ray Beam Codes M20, M30, M50, L80, L100, and M100 over the Exposure Rate Range 2 mR/s to 100 mR/s, with total uncertainty in the reference field value of ± 3 percent.
Calibration of Reference-Class Instruments	X-ray Beam Codes M20, M30, M50, L80, L100, and M100 over the Exposure Rate Range 2 mR/s to 100 mR/s, with total uncertainty in the reference field value of ± 3 percent.

NVLAP LAB CODE 105020-0

PACIFIC NORTHWEST NATIONAL LABORATORY
Battelle Boulevard
P.O. Box 999
Richland, WA 99352
Contact: Mr. R. Kim Piper
Phone: 509-376-6187 Fax: 509-376-1992
E-Mail: kim.piper@pnl.gov
URL: http://www.pnl.gov/health/health_prot/cra_page

Accreditation Valid Through: December 31, 1998

This facility has demonstrated compliance with the NVLAP Criteria for Calibration Laboratories under the field of Ionizing Radiation for the following:

Calibration Categories	*Radiation Type or Beam Code*	*Energy (keV)*	*Intensity Range*	*Accuracy Goal*
CALIBRATION OF SURVEY INSTRUMENTS				
B.1 (Gamma)	Am-241	60	130 mR/h[note 1]	4% (>10mR/h)
	Cs-137	660	1-3x10^5 mrem/h	4% (>10mR/h)
	Co-60	1250	0.4-3000 rem/h	4% (>10mR/h)
B.2 (X-ray)	M30	20	3.2-326 R/h	4% (>10 mR/h)
	M50	29	3.4-350 R/h	4% (>10 mR/h)
	S60	36	0.6-119 R/h	4% (>10 mR/h)
	S75	39	4.6-472 R/h	4% (>10 mR/h)
	M100	51	1.5-305 R/h	4% (>10 mR/h)
	M150	70	3.8-391 R/h	4% (>10 mR/h)
	H150	120	0.12-16.5 R/h	4% (>10 mR/h)
B.3 (Beta)	Pm-147	60 E_{av}	3 mrad/h[note 1]	8%
	Tl-204	260 E_{av}	22, 2800 mrad/h[note 1]	8%
	Sr/Y-90	800 E_{av}	560, 22000 mrad/h[note 1]	8%
B.4 (Neutron)	Cf-252 Bare	2000 E_{av}	0.040-24 rem/h	8%
	Cf-252 Mod	500 E_{av}	0.010-6 rem/h	8%
IRRADIATION OF PERSONNEL DOSIMETERS				
C.1 (Gamma)	Am-241	60	130 mR/h[note 1]	3% (>10 mR/h)
	Cs-137	660	1-3x10^5 mrem/h	3% (>10 mR/h)

 (See 'How To Use This Directory' on page 7.)

Calibration Categories	*Radiation Type or Beam Code*	*Energy (keV)*	*Intensity Range*	*Accuracy Goal*
	Co-60	1250	0.4-3000 rem/h	3% (>10 mR/h)
C.2 (X-ray)	M30	20	3.2-326 R/h	3% (>10 mR/h)
	M50	29	3.4-350 R/h	3% (>10 mR/h)
	S60	36	0.6-119 R/h	3% (>10 mR/h)
	S75	39	4.6-472 R/h	3% (>10 mR/h)
	M100	51	1.5-305 R/h	3% (>10 mR/h)
	M150	70	3.8-391 R/h	3% (>10 mR/h)
	H150	120	0.12-16.5 R/h	3% (>10 mR/h)
C.3 (Neutron)	Cf-252 Bare	2000 E_{av}	0.040-24 rem/h	5%
	Cf-252 Mod	500 E_{av}	0.010-6 rem/h	5%
C.4 (Beta)	Tl-204	260 E_{av}	22, 2800 mrad/h[note 1]	5%
	Sr/Y-90	800 E_{av}	560, 2200 mrad/h[note 1]	5%

1. Calibrated and used at a fixed distance.

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 105023-0

INSTRON FORCE CALIBRATION LABORATORY
100 Royall Street
Canton, MA 02021
Contact: Dr. Anatoly Perlov
Phone: 617-575-5479 Fax: 617-575-5767
E-Mail: aperlov@compuserve.com
URL: http://www.instron.com

Accreditation Valid Through: September 30, 1998

NVLAP Code/ Parameters	*Range*	*Best Uncertainty (±)[notes 1,2,3]*	*Remarks*
MECHANICAL			
20/M06			
Force			
	Applied Force in Pounds		
	0.1 to 130000	0.005%	Primary Standard
	130000 to 240000	0.005%	Secondary Standard

1. Represents an expanded uncertainty using a coverage factor, k=2
2. Uncertainty of the voltage ratio is <0.1 microvolt per volt
3. Uncertainty of the measured value is determined by the statistics of the test and the artifact tested but are typically better than ±0.05% for class AA instruments, ±0.25% for class A instruments and ±0.1% for class A1 instruments.

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200029-0

GE INDUSTRIAL CONTROLS, ENGINEERING SERVICES - TEMS
92 Otis Street
Rome, NY 13441
Contact: Mr. Alan L. Brust
Phone: 315-334-7605 Fax: 315-334-7660

Accreditation Valid Through: December 31, 1998

ELECTROMAGNETICS/DC-LOW FREQUENCY

NVLAP Code: 20/E05
DC Resistance

Value in ohms	*Best Uncertainty in ppm (±)*[note 1]	*Remarks*
0.1	1.0	
1	1.0	
10	1.0	
100	1.0	
1 k	1.5	
10 k	1.5	
100 k	4.0	
1 M	4.6	
10 M	6.2	
100 M	13.4	

1. Represents an expanded uncertainty using a coverage factor, k=2

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200038-0

WEBBER GAGE DIVISION / L. S. STARRETT CO.
24500 Detroit Road
Cleveland, OH 44145
Contact: Mr. David Friedel
Phone: 440-835-0001 Fax: 440-892-9555

Accreditation Valid Through: December 31, 1998

DIMENSIONAL

NVLAP Code: 20/D03
Gage Blocks

Range	*Best Uncertainty (±)[note 1,2,3]*	*Remarks*
Standard Size Gage Blocks		
thru 1.0 in	1.3μin	Master Grade Calibration
thru 25 mm	0.035μm	Master Grade Calibration
>1.0 thru 4.0 in	(0.8 + 0.5L)μin	Master Grade Calibration
> 25 thru 100mm	(0.02 + 0.5L)μm	Master Grade Calibration
> 4.0 thru 20.0 in	(3.5 + 0.25L)μin	Master Grade Calibration
>100 thru 500.0 mm	(0.09 + 0.25L)μm	Master Grade Calibration
Non Standard Size Gage Blocks		
to 1.0 in	2.2 μin	Master Grade Calibration
to 25 mm	0.055μm	Master Grade Calibration
>1.0 thru 4.6 in	(1.6 = 0.6L) μin	Master Grade Calibration
> 25 thru 117mm	(0.04 + 0.6L) μm	Master Grade Calibration
>4.6 thru 20.0 in	(6.0 + 0.35L) μin	Master Grade Calibration
>117 thru 500 mm	(0.15 + 0.35L) μm	Master Grade Calibration

1. Represents an expanded uncertainty using a coverage factor, k=2.
2. Approximate value. Actual value determined by the test statistics.
3. L is in inches or meters as appropriate.

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200106-0

DENVER INSTRUMENT CO. WEIGHT LAB
6542 Fig Street
Arvada, CO 80004-1042
Contact: Mr. Mark Fritz
Phone: 303-431-7255 Fax: 303-423-4831

Accreditation Valid Through: December 31, 1998

MECHANICAL

NVLAP Code: 20/M08
Mass

Range	*Best Uncertainty (±)[note 1]*	*Remarks*
5 kg	3.8 mg	
4 kg	2.4 mg	
3 kg	2.4 mg	
2 kg	0.37 mg	
1 kg	0.33 mg	
500 g	0.080 mg	
400 g	0.075 mg	
300 g	0.071 mg	
200 g	0.056 mg	
160 g	0.055 mg	
150 g	0.055 mg	
100 g	0.029 mg	
50 g	0.0215 mg	
40 g	0.0216 mg	
30 g	0.0216 mg	
20 g	0.0208 mg	
10 g	0.0127 mg	
5 g	0.0111 mg	
3 g	0.0112 mg	
2 g	0.0108 mg	
1 g	0.0108 mg	
500 mg	0.0030 mg	
300 mg	0.0031 mg	
200 mg	0.0030 mg	
100 mg	0.0029 mg	

 (See 'How To Use This Directory' on page 7.)

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
50 mg	0.0028 mg	
30 mg	0.0029 mg	
20 mg	0.0028 mg	
10 mg	0.0026 mg	
5 mg	0.0026 mg	
3 mg	0.0027 mg	
2 mg	0.0026 mg	
1 mg	0.0026 mg	

1. Represents an expanded uncertainty using a coverage factor, k=2.

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200108-0

ALLIEDSIGNAL FM&T METROLOGY
2000 East 95th Street
P.O. Box 419159
Kansas City, MO 64141-6159
Contact: Mr. Roger N. Burton
Phone: 816-997-5431 Fax: 816-997-3856
E-Mail: rburton@kcp.com

Accreditation Valid Through: December 31, 1998

MECHANICAL

NVLAP Code: 20/M06
Force

Range	*Best Uncertainty in % (±)[note 1]*	*Remarks*
0 thru 2400 lbf	0.01	of Reading
>2400 thru 100000 lbf	0.015	of Range
>100000 thru 300000 lbf	0.35	of Range

NVLAP Code: 20/M11
Vibration/Acceleration

Range	*Best Uncertainty in % (±)[note 1]*
0.3 g @ 10 thru 40 Hz	2.5
1 g @ 10 thru 100 Hz	2.5
2 g @ 10 thru 100 Hz	2.5
5 g @ 100 Hz	2.5
10 g @ 30 thru <100 Hz	2.5
10 g @ 100 thru 2000 Hz	1.8
10 g @ > 2000 thru 10000 Hz	2.5
Shock	
10 thru 10000 g @ 10 thru 10000 Hz	3.5

1. Represents an expanded uncertainty using a coverage factor, k=2.

 (See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200123-0

LIBERTY LABS, INC.
1346 Yellowwood Road
P.O. Box 230
Kimballton, IA 51543
Contact: Mr. Michael W. Howard
Phone: 712-773-2199 Fax: 712-773-2299
E-Mail: mhoward@netins.net

Accreditation Valid Through: December 31, 1998

ELECTROMAGNETIC - RF/MICROWAVE

NVLAP Code: 20/R08
Microwave Antenna Parameters

Range	*Best Uncertainty in dB (±)[note 1]*	*Remarks*
Early Designed Biconical Antennas (such as the EMCO 3104)		
30-60 MHz	1.7	
60-300 MHz	1.0	
New Designed Biconical Antennas (such as the EMCO 3110)		
30-90 MHz	1.2	
90-300 MHz	0.9	
Log-Periodic Antennas (such as the EMCO 3146)		
200-1000 MHz	1.0	Vertical
200-1000 MHz	1.1	Horizontal
200-1000 MHz	1.0 to 2.2	Fixed Heights
BiLog Antennas (such as the Chase CBL6111)		
20-1000 MHz	0.9	
Dipole Antennas (such as the EMCO 3121)		
30-1000 MHz	0.6	
DRWG Horn Antennas (such as the EMCO 3115)		
1-18 GHz	1.1	3 Ant. Method, OATS
1-18 GHz	1.2	Standard Field, OATS

	Range	*Best Uncertainty in dB (±)[note 1]*	*Remarks*
Horn Antennas (above 18 GHz)			
	18-40 GHz	1.2	Standard Field, Anechoic
LISN's			
	10 kHz to 100 MHz	0.4	Insertion Loss
	10 kHz to 100 MHz	0.4	Impedance
Current Probes/Injection Probes			
	5 Hz - 500 MHz	0.3	Insertion Loss
Absorbing Clamps			
	30 to 1000 MHz	2.3	
CDN'S & 150-50 Ohm Adapters			
	10 kHz to 230 MHz	0.4	Impedance & Insertion Loss
Isotropic Probes			
	10 kHz-1 GHz	2.4	GTEM, Boonton MV
	100 MHz - 18 GHz	2.4	GTEM, PWR Sensors
	10 kHz - 1 GHz	1.3	Stripline
	18-40 GHz	1.9	Standard Field
RF Pre-amps & Amps			
	10 kHz to 18 GHz	0.4	GAIN Cal
Loop Antennas			
	1 kHz - 30 MHz	1.1	Vacuo Junction
	20 Hz - 1 kHz	1.1	Series Resistor
Rod Antennas			
	100 Hz to 30 MHz	0.5	Using ECSM (Insertion Loss with Mfr's Fixture)
	100 Hz to 10 kHz	1.0	Using NIST 1347

 (See 'How To Use This Directory' on page 7.)

	Range	*Best Uncertainty in dB (±)[note 1]*	*Remarks*
	10 kHz to 30 MHz	0.9	Using NIST 1347
RF Insertion Loss			
	10 kHz to 18 GHz	0.4	
ESD Simulators/Surge Generators			
	0 to 15 kV ESD Gun	0.3 dB	
	0 to 6 kV Surge	0.3 dB	

1. Represents an expanded uncertainty using a coverage factor, k=2.

(See 'How To Use This Directory' on page 7.)

NVLAP LAB CODE 200235-0

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Accreditation Valid Through: December 31, 1998

IONIZING RADIATION

NVLAP Code: 20/I02
High Dose Dosimetry

Source	*Range*	*Best Uncertainty(±)*[note 1]
^{60} Co Gamma Rays	100 grays or more at a rate of approximately 1 to 20 kgy/hour	2.5%

1. Represents an expanded uncertainty using a coverage factor, k=2.

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