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University of California Ernest O. Lawrence Radiation Laboratory

A COMPILATION OF SELECTED THERMODYNAMIC AND TRANSPORT
PROPERTIES OF BINARY ELECTROLYTES IN AQUEOUS SOLUTION

Thomas W. Chapman and John Newman

May 1968

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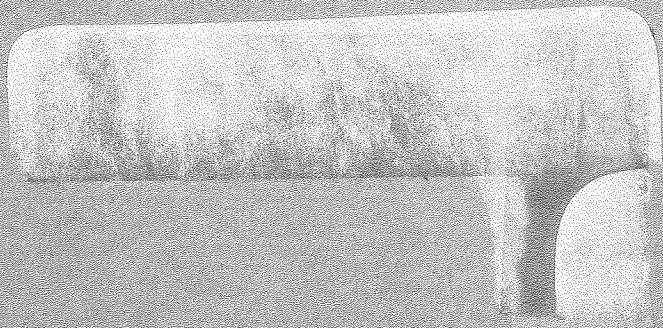
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A Compilation of Selected Thermodynamic and Transport
Properties of Binary Electrolytes in Aqueous Solution

Thomas W. Chapman and John Newman

Inorganic Materials Research Division
Lawrence Radiation Laboratory, and
Department of Chemical Engineering
University of California, Berkeley

May, 1968

Abstract

Data from the literature on properties of binary electrolytes in aqueous solutions are tabulated. The properties include the density, the viscosity, the conductivity, the transference number, the diffusion coefficient, and the activity coefficient.

Introduction

In connection with a survey of the transport properties of electrolytic solutions,¹ data on the density, viscosity, transference number, conductivity, diffusion coefficient, and activity coefficient were compiled from the literature. Most of the data were located with the help of the Chemical Abstracts indices and were taken from the original sources. The search for transference number data was facilitated by a recent review on the measurement of these properties by Kaimakov and Varshavskaya.² Many conductance and transference number measurements are summarized in Landolt-Börnstein.³ Older density, viscosity, and conductance data are available in the International Critical Tables⁴ and Timmermans' compilations.⁵ To a large extent, activity coefficient data were taken from the Appendix of Robinson and Stokes,⁶ for concentrations above 0.1 M. These already represent a smoothing and recalculation of many sets of data.

Form of the Data

Concentrations are expressed in the following forms:

1. Concentration c (moles per liter).
2. Molality m (moles per kg of solvent).
3. Grams of anhydrous solute per one hundred grams of solvent.
4. Mass fraction of anhydrous solute.
5. Normality (equivalents per liter).
6. Moles per kg of solution.

Densities are given as:

1. Density (grams per cubic centimeter).
2. Relative density (the density of the solution divided by the density

of the solvent at the same temperature).

Viscosities are given in the forms:

1. Viscosity (centipoise).
2. Relative viscosity (viscosity of the solution divided by the viscosity of the solvent at the same temperature).

Conductivities are given in the forms:

1. Conductivity (mho/cm).
2. Molar conductance (mho-cm²/mole).
3. Equivalent conductance (mho-cm²/equivalent).

Activity coefficients are given in the forms:

1. The activity coefficient γ on a molal basis (kg/mole).
2. The common logarithm of γ .
3. The natural logarithm of γ .
4. $1 + d \ln \gamma / d \ln m$.
5. $1 + d \ln y / d \ln c$, where y is the activity coefficient on a concentration basis (liter/mole).

Diffusion coefficients are in cm²/sec. The transference numbers (dimensionless) are for the cation.

Phosphoric Acid

The isopiestic data of Elmore, Mason and Christensen⁷ were converted to the form $1 + d \ln \gamma / d \ln m$ by the method outlined on p.146 of reference 1. It should be noted that phosphoric acid is treated as a 1-1 electrolyte.

Order of Tables

The data are given in alphabetical order by the chemical formula of the solute and for each solute in order of increasing temperature. The properties are in the order of density, viscosity, conductivity, conductance, transference number, and activity coefficient. At the end of the tables of data the references are collected again, filed alphabetically by the first author and, for each first author, in order of date of publication.

Acknowledgment

This work was supported by the United States Atomic Energy Commission.

References

1. Thomas W. Chapman. The Transport Properties of Concentrated Electrolytic Solutions. Ph.D. Thesis, University of California, Berkeley, 1967. (UCRL-17768).
2. E. A. Kaimakov and N. L. Varshavskaya. "Measurement of Transport Numbers in Aqueous Solutions of Electrolytes." Uspekhi Khimii, 35, 201-288 (1966).
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4. E. W. Washburn, Ed. International Critical Tables of Numerical Data, Physics, Chemistry, and Technology. New York: McGraw-Hill Book Company, Inc., 1926.

5. J. Timmermans. The Physico-Chemical Constants of Binary Systems in Concentrated Solutions. New York, Interscience Publishers, Inc., 1960.
6. R. A. Robinson and R. H. Stokes. Electrolyte Solutions, 2nd Ed. London: Butterworths Scientific Publications, 1959.
7. Elmore, Mason, and Christensen. "Activity of Orthophosphoric Acid in Aqueous Solution at 25° from Vapor Pressure Measurements." J. Am. Chem. Soc. 68, 2528 (1946).

List of Tables

Solute	Temperature °C	Page	Solute	Temperature °C	Page
AgClO ₄	25	1	HNO ₃	-20	79
AgNO ₃	0	2		-10	80
	25	3		0	80
	35	11		10	81
	45	14		20	82
	95	15		25	83
	221.7	16		30	88
BaCl ₂	25	17		40	89
CaCl ₂	15	20		50	90
	25	22	H ₃ PO ₄	25	91
	35	27	H ₂ SO ₄	10	97
CdSO ₄	25	28		15	97
CsCHO ₂	50.5	31		25	98
CsCl	25	32		35	104
CsI	25	35		50	104
CsNO ₃	25	36	KBr	0	105
Cs ₂ SO ₄	25	37		15	106
Cu(NO ₃) ₂	25	37		25	107
CuSO ₄	25	37		35	110
	30	43		45	110
	35	45	KBrO ₃	25	111
	40	47	KCHO ₂	50.5	112
	45	48	KC ₂ H ₃ O ₂	25	112
	50	50	KCl	0	113
	55	51		4	116
	60	53		5	116
HBr	25	54		10	117
HC ₂ H ₃ O ₂	25	56		15	117
	35	59		18	119
HCl	0	59		20	124
	25	60		25	126
HClO ₄	0	67		30	135
	10	68		35	137
	18	70		40	141
	20	71		45	143
	25	73		50	145
	30	78		55	149
	40	78		60	150
	50	79		70	150
			KClO ₃	25	151
			KClO ₄	25	151

-x-

List of Tables (cont.)

Solute	Temperature °C	Page	Solute	Temperature °C	Page
K ₂ CrO ₄	0	152	MgCl ₂	25	210
	25	153		MgSO ₄	25
K ₃ Fe(CN) ₆	25	153	NH ₄ Br		35
	K ₄ Fe(CN) ₆	0		155	NH ₄ Cl
25		156	35	220	
KH ₂ PO ₄	25	158	NH ₄ NO ₃	25	221
	KI	25		159	35
KNO ₃		25	161	95	230
	30	164	180	231	
	35	164	(NH ₄) ₂ SO ₄	25	232
	40	165		NaBr	25
	45	165	NaC ₂ H ₃ O ₂		25
	50	166		NaCl	0
	55	166	15		239
	KOH	25	167	18	239
K ₃ PO ₄		25	168	25	243
	KSCN	25	169	30	251
K ₂ SO ₄		0	169	35	252
	25	170	40	256	
LaCl ₃	0	175	45	257	
	25	176	50	258	
LiBr	25	179	55	262	
	LiCl	0	181	NaH ₂ PO ₄	25
15		182	NaI		25
18	183	NaNO ₃		25	266
25	185		30	268	
	35	190	35	268	
	50	192	40	269	
LiClO ₃	25	194	45	270	
	131.8	195	50	270	
LiClO ₄	25	197	55	271	
	LiF	25	197	NaOH	20
LiNO ₃		0	197		25
	18	198	30.06	276	
25	199	35	276		
35	205	Na ₂ SO ₄	25	277	
110	206		RbCl	25	281
Li ₂ SO ₄	25	207		SrCl ₂	25

List of Tables (cont.)

<u>Solute</u>	<u>Temperature °C</u>	<u>Page</u>
ZnSO ₄	25	284
	30	290
	35	290
	40	291
	45	291
	50	292
	55	292
	60	293
Bibliography		293

SILVER PERCHLORATE IN WATER AT 25 DEGREES C
TEMP MS MO NU NU+ NU- Z+ Z-
25.000 207.320 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

DENSITY

3.68600E-01	1.05753E+00
7.01900E-01	1.11205E+00
1.00400E+00	1.16123E+00
1.14200E+00	1.18337E+00
1.20300E+00	1.19350E+00
1.61100E+00	1.25960E+00
1.85000E+00	1.29820E+00
2.30800E+00	1.37213E+00
2.74800E+00	1.44296E+00
3.31100E+00	1.53383E+00
3.87500E+00	1.62340E+00
4.59100E+00	1.73533E+00
5.98000E+00	1.95499E+00

HAASE, LEHNERT & JANSEN. Z PHYSIK CHEM NF 42, 32 (1964)

CONCENTRATION

DENSITY

1.07400E-01	1.01440E+00
2.34800E-01	1.03530E+00
4.64900E-01	1.07330E+00
5.84700E-01	1.11640E+00
9.00100E-01	1.14390E+00
1.42300E+00	1.22940E+00
2.03940E+00	1.32840E+00
2.40270E+00	1.38610E+00
3.07310E+00	1.49470E+00
3.52310E+00	1.56620E+00
4.17970E+00	1.67130E+00
5.60000E+00	1.89620E+00

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

CONCENTRATION

RELATIVE VISCOSITY

1.07400E-01	1.00200E+00
2.34800E-01	1.00600E+00
4.64900E-01	1.01400E+00
5.84700E-01	1.02100E+00
9.00100E-01	1.04400E+00
1.42300E+00	1.07000E+00
2.03940E+00	1.14200E+00
2.40270E+00	1.19400E+00
3.07310E+00	1.30200E+00
3.52310E+00	1.39900E+00
4.17970E+00	1.57100E+00
5.60000E+00	2.13400E+00

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

CONCENTRATION	EQUIVALENT CONDUCTANCE
1.07400E-01	1.10100E+02
2.34800E-01	1.04400E+02
4.64900E-01	9.81500E+01
5.84700E-01	9.62600E+01
9.00100E-01	9.07000E+01
1.42300E+00	8.42300E+01
2.03940E+00	7.69000E+01
2.40270E+00	7.27100E+01
3.07310E+00	6.58300E+01
3.52310E+00	6.13100E+01
4.17970E+00	5.49100E+01
5.60000E+00	4.19500E+01

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

CONCENTRATION	TRANSFERENCE NUMBER
1.07400E-01	4.75000E-01
2.34800E-01	4.68000E-01
5.84700E-01	4.64000E-01
9.00100E-01	4.70000E-01
1.42300E+00	4.76000E-01
2.40270E+00	5.22000E-01
3.07310E+00	5.50000E-01
4.17970E+00	6.13000E-01
1.07400E-01	4.86000E-01
2.34800E-01	5.10000E-01
9.00100E-01	5.18000E-01
1.42300E+00	5.10000E-01
2.40270E+00	5.05000E-01
3.07310E+00	4.75000E-01

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

SILVER NITRATE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	169.870	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION	DENSITY
1.00000E-03	9.99910E-01
2.00000E-03	1.00016E+00
5.00000E-03	1.00059E+00
1.00000E-02	1.00132E+00
1.50000E-02	1.00204E+00
2.00000E-02	1.00278E+00
5.00000E-02	1.00714E+00
1.00000E-01	1.01438E+00
2.00000E-01	1.02880E+00
5.00000E-01	1.07174E+00
1.00326E+00	1.14293E+00
2.01570E+00	1.28381E+00
3.03205E+00	1.42306E+00

4.05174E+00 1.56115E+00
 5.05000E+00 1.69487E+00
 JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-03 1.00013E+00
 2.00000E-03 1.00017E+00
 5.00000E-03 1.00021E+00
 1.00000E-02 1.00018E+00
 1.50000E-02 1.00007E+00
 2.00000E-02 1.00000E+00
 5.00000E-02 9.99390E-01
 1.00000E-01 9.98470E-01
 2.00000E-01 9.97010E-01
 5.00000E-01 9.97820E-01
 1.00326E+00 1.01393E+00
 2.01570E+00 1.08576E+00
 3.03205E+00 1.19842E+00
 4.05174E+00 1.34860E+00
 5.05000E+00 1.53375E+00
 JONES & COLVIN. JACS 62, 338 (1940)

SILVER NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	169.870	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

DENSITY

1.68000E-02 1.01100E+00
 7.83500E-02 1.06580E+00
 1.56180E-01 1.14270E+00
 2.31200E-01 1.22880E+00
 2.67020E-01 1.27430E+00
 3.42650E-01 1.38060E+00
 4.09780E-01 1.48880E+00
 4.62370E-01 1.58740E+00
 5.03330E-01 1.67130E+00
 5.05570E-01 1.67600E+00
 5.80800E-01 1.85660E+00
 5.91620E-01 1.88550E+00
 6.40300E-01 2.02670E+00
 6.83800E-01 2.17130E+00
 CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

MOLALITY

DENSITY

6.36280E+00 1.70500E+00
 6.52200E+00 1.72060E+00
 7.98820E+00 1.84310E+00
 FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

MASS FRACTION

MASS FRACTION	DENSITY
1.68000E-02	1.01110E+00
1.49600E-01	1.13600E+00
2.66800E-01	1.27300E+00
3.62200E-01	1.40700E+00
4.40800E-01	1.54200E+00
5.05800E-01	1.67500E+00
5.61600E-01	1.80600E+00
6.10700E-01	1.93800E+00
6.54900E-01	2.06900E+00
7.15900E-01	2.29800E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 161 (1950)

CONCENTRATION

CONCENTRATION	DENSITY
1.00000E-01	1.01100E+00
1.00400E+00	1.13700E+00
1.99800E+00	1.27600E+00
3.02800E+00	1.41300E+00
4.00000E+00	1.54400E+00
5.02900E+00	1.68500E+00
6.00600E+00	1.81000E+00
7.01200E+00	1.94300E+00
8.01100E+00	2.07500E+00
9.01000E+00	2.20300E+00
9.70900E+00	2.29800E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

CONCENTRATION	DENSITY
1.00000E+00	1.13700E+00
2.00000E+00	1.27600E+00
3.00000E+00	1.41300E+00
3.98000E+00	1.54400E+00
5.00000E+00	1.68500E+00
5.97000E+00	1.81000E+00
6.95000E+00	1.94300E+00
7.96000E+00	2.07500E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

CONCENTRATION	DENSITY
2.00000E-03	9.97360E-01
5.00000E-03	9.97780E-01
1.00000E-02	9.98530E-01
1.50000E-02	9.99190E-01
2.00000E-02	9.99920E-01
5.00000E-02	1.00414E+00
1.00000E-01	1.01118E+00
2.00000E-01	1.02518E+00
5.00000E-01	1.06709E+00
9.97190E-01	1.13601E+00
2.00000E+00	1.27363E+00
3.00425E+00	1.41002E+00
4.01150E+00	1.54565E+00
4.99808E+00	1.67745E+00

JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION

DENSITY

-0.	9.97074E-01
9.89000E-02	1.01120E+00
1.40770E+00	1.19280E+00
1.78300E+00	1.24400E+00
3.04580E+00	1.41570E+00
3.83990E+00	1.52250E+00
5.13130E+00	1.69530E+00
5.20270E+00	1.70490E+00
6.17300E+00	1.83360E+00
7.69960E+00	2.03490E+00
9.62000E+00	2.30190E+00

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

DENSITY

1.01560E-02	9.98420E-01
1.93940E-02	9.99810E-01
2.94590E-02	1.00125E+00
3.99980E-02	1.00278E+00
4.96590E-02	1.00411E+00
5.83130E-02	1.00530E+00
6.83430E-02	1.00675E+00
8.00140E-02	1.00842E+00
8.99610E-02	1.00978E+00
1.00630E-01	1.01127E+00
1.49150E-01	1.01809E+00
1.97970E-01	1.02494E+00
2.99970E-01	1.03920E+00
3.99760E-01	1.05316E+00
5.52710E-01	1.07455E+00
5.95230E-01	1.08033E+00
6.99280E-01	1.09476E+00
7.91540E-01	1.10758E+00
8.95090E-01	1.12196E+00
1.00088E+00	1.13649E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

VISCOSITY

-0.	8.93700E-01
9.89000E-02	9.00500E-01
1.40770E+00	9.87100E-01
1.78300E+00	1.02080E+00
3.04580E+00	1.16300E+00
3.83990E+00	1.27700E+00
4.25260E+00	1.34270E+00
5.13130E+00	1.50310E+00
5.20270E+00	1.51980E+00
6.17300E+00	1.73420E+00
7.69960E+00	2.16930E+00
9.62000E+00	3.00750E+00

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-01	1.00900E+00
-------------	-------------

4.91600E-01	1.03300E+00
1.05150E+00	1.07800E+00
1.67230E+00	1.13200E+00
2.01630E+00	1.16800E+00
2.78330E+00	1.26000E+00
3.59130E+00	1.38200E+00
4.32560E+00	1.46400E+00
4.95180E+00	1.63200E+00
4.98800E+00	1.63800E+00
6.34760E+00	1.94200E+00
6.56600E+00	1.99000E+00
7.63880E+00	2.26400E+00
8.74000E+00	2.74000E+00

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-01	1.00900E+00
1.00400E+00	1.07400E+00
1.99800E+00	1.17700E+00
3.02800E+00	1.30700E+00
4.00000E+00	1.47200E+00
5.02900E+00	1.65800E+00
6.00600E+00	1.89000E+00
7.01200E+00	2.17000E+00
8.01100E+00	2.50500E+00
9.01000E+00	2.99800E+00
9.70900E+00	3.33000E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E+00	1.07500E+00
2.00000E+00	1.17900E+00
3.00000E+00	1.30700E+00
3.98000E+00	1.47300E+00
5.00000E+00	1.65800E+00
5.97000E+00	1.89000E+00
6.95000E+00	2.17000E+00
7.96000E+00	2.50600E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 161 (1950)

CONCENTRATION

RELATIVE VISCOSITY

2.00000E-03	1.00036E+00
5.00000E-03	1.00068E+00
1.00000E-02	1.00110E+00
1.50000E-02	1.00148E+00
2.00000E-02	1.00177E+00
5.00000E-02	1.00364E+00
1.00000E-01	1.00652E+00
2.00000E-01	1.01224E+00
5.00000E-01	1.03088E+00
9.97190E-01	1.06783E+00
2.00000E+00	1.16788E+00
3.00425E+00	1.29951E+00
4.01150E+00	1.46471E+00
4.99808E+00	1.66223E+00

JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION
RELATIVE VISCOSITY

1.01560E-02	1.00100E+00
1.93940E-02	1.00300E+00
2.94590E-02	1.00400E+00
3.99980E-02	1.00400E+00
4.96590E-02	1.00300E+00
5.83130E-02	1.00300E+00
6.83430E-02	1.00400E+00
8.00140E-02	1.00500E+00
8.99610E-02	1.00500E+00
1.00630E-01	1.00500E+00
1.49150E-01	1.00800E+00
1.97970E-01	1.01100E+00
2.99970E-01	1.01600E+00
3.99760E-01	1.02200E+00
5.52710E-01	1.02700E+00
5.95230E-01	1.03000E+00
6.99280E-01	1.03800E+00
7.91540E-01	1.04600E+00
8.95090E-01	1.05300E+00
1.00088E+00	1.06200E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION
EQUIVALENT CONDUCTANCE

-0.	1.33320E+02
2.75750E-05	1.32910E+02
7.24530E-05	1.32640E+02
1.07100E-04	1.32480E+02
3.53870E-04	1.31580E+02
4.67040E-04	1.31460E+02
7.53800E-04	1.30820E+02
1.00260E-03	1.30450E+02
1.22970E-03	1.30100E+02
1.45300E-03	1.29860E+02
2.90540E-03	1.28440E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION
MOLAR CONDUCTANCE

0.	1.33320E+02
1.00000E-04	1.32460E+02
2.00000E-04	1.32080E+02
5.00000E-04	1.31320E+02
1.00000E-03	1.30470E+02
2.00000E-03	1.29320E+02
5.00000E-03	1.27160E+02
1.00000E-02	1.24720E+02
2.00000E-02	1.21370E+02
5.00000E-02	1.15200E+02
1.00000E-01	1.09100E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION
EQUIVALENT CONDUCTANCE

1.00000E-01	1.09100E+02
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4.91600E-01	8.96900E+01
1.05150E+00	7.67400E+01
1.67230E+00	6.79100E+01
2.01630E+00	6.37400E+01
2.78330E+00	5.69000E+01
3.59130E+00	5.11500E+01
4.32560E+00	4.66900E+01
4.95180E+00	4.34300E+01
4.98800E+00	4.33200E+01
6.34760E+00	3.73400E+01
6.56600E+00	3.64700E+01
7.63880E+00	3.25200E+01
8.74000E+00	2.88700E+01

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

CONCENTRATION	MOLAR CONDUCTANCE
1.00000E-01	1.09100E+02
1.00400E+00	7.78200E+01
1.99800E+00	6.42000E+01
3.02800E+00	5.49700E+01
4.00000E+00	4.85000E+01
5.02900E+00	4.31400E+01
6.00600E+00	3.85500E+01
7.01200E+00	3.47000E+01
8.01100E+00	3.12000E+01
9.01000E+00	2.79900E+01
9.70900E+00	2.61000E+01

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION	EQUIVALENT CONDUCTANCE
9.62000E+00	2.61000E+01

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION	EQUIVALENT CONDUCTANCE
1.01560E-02	1.24750E+02
1.93940E-02	1.21390E+02
2.94590E-02	1.18920E+02
3.99980E-02	1.16890E+02
4.96590E-02	1.15200E+02
5.83130E-02	1.13930E+02
6.83430E-02	1.12540E+02
8.00140E-02	1.11180E+02
8.99610E-02	1.10070E+02
1.00630E-01	1.09000E+02
1.49150E-01	1.04960E+02
1.97970E-01	1.01770E+02
2.99970E-01	9.66200E+01
3.99760E-01	9.26800E+01
5.52710E-01	8.80600E+01
5.95230E-01	8.67700E+01
6.99280E-01	8.41700E+01
7.91540E-01	8.20700E+01
8.95090E-01	7.99900E+01
1.00088E+00	7.79100E+01

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.00000E-01 1.09230E+02

MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01 4.68500E-01

MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER

1.95000E-01 4.67000E-01

MILIOS & NEWMAN. UCRL-18105. FEBRUARY, 1968

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-02 4.64800E-01

2.00000E-02 4.65200E-01

5.00000E-02 4.66400E-01

1.00000E-01 4.68200E-01

MACINNES & LONGSWORTH. CHEM REV 11, 171 (1932)

CONCENTRATION

TRANSFERENCE NUMBER

9.96200E-02 4.68700E-01

9.96200E-02 4.67600E-01

9.96200E-02 4.67400E-01

1.99500E-01 4.70800E-01

1.99500E-01 4.72300E-01

4.99500E-01 4.81900E-01

4.99500E-01 4.81200E-01

7.36400E-01 4.90000E-01

7.36400E-01 4.86300E-01

9.97800E-01 4.95300E-01

1.10050E+00 5.00700E-01

1.39560E+00 5.07900E-01

1.70130E+00 5.15800E-01

1.70130E+00 5.17000E-01

1.97800E+00 5.21800E-01

1.99850E+00 5.22900E-01

1.99850E+00 5.22900E-01

HAASE, LEHNERT & JANSEN. Z PHYSIK CHEM NF 42, 32 (1964)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01 4.69000E-01

4.91600E-01 4.79000E-01

1.05150E+00 4.84000E-01

1.67230E+00 5.05000E-01

2.01630E+00 5.08000E-01

2.78330E+00 5.28000E-01

3.59130E+00 5.44000E-01

4.32560E+00 5.47000E-01

4.95180E+00 5.50000E-01

4.98800E+00 5.52000E-01

6.34760E+00	5.64000E-01
6.56600E+00	5.66000E-01
7.63880E+00	5.76000E-01
1.00000E-01	4.70000E-01
4.91600E-01	4.80000E-01
1.05150E+00	4.85000E-01
1.67230E+00	5.04000E-01
2.01630E+00	5.09000E-01
2.78330E+00	5.31000E-01
3.59130E+00	5.48000E-01
4.95180E+00	5.57000E-01
6.56600E+00	5.58000E-01

CAMPBELL & SINGH. CAN J CHEM 37, 1959 (1959)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	1.76750E-05
9.44000E-02	1.59100E-05
1.57700E-01	1.54700E-05
2.54300E-01	1.51000E-05
2.68100E-01	1.50800E-05
3.58600E-01	1.41300E-05
5.10000E-01	1.36400E-05
1.02660E+00	1.19400E-05
1.53840E+00	1.08000E-05
2.04030E+00	9.84000E-06
3.00280E+00	8.46000E-06
4.04850E+00	7.48000E-06
5.15900E+00	6.67000E-06
7.02100E+00	6.32000E-06
8.95380E+00	6.00000E-06

JANZ, LAKSHMINARAYANAN, KLOTZKIN & MAYER. J PHYS CHEM 70,536(1966)

CONCENTRATION

DIFFUSION COEFFICIENT

2.85000E-03	1.71800E-05
3.22000E-03	1.71900E-05
4.27000E-03	1.71100E-05
4.96000E-03	1.70800E-05
6.28000E-03	1.70100E-05

HARNED & HILDRETH. JACS 73, 3292 (1951)

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.76800E-05
5.00000E-02	1.62800E-05
1.00000E-01	1.59400E-05
1.00400E-01	1.59300E-05
1.98900E-01	1.54200E-05
2.00000E-01	1.54100E-05
4.92800E-01	1.41600E-05
5.00000E-01	1.41200E-05
9.76100E-01	1.26700E-05
1.00000E+00	1.25800E-05
1.50000E+00	1.14400E-05
2.00000E+00	1.04700E-05
2.50000E+00	9.62000E-06
3.00000E+00	8.85000E-06
3.50000E+00	8.14000E-06

4.00000E+00 7.47000E-06
FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

MOLALITY

GAMMA

1.00000E-01	7.34000E-01
2.00000E-01	6.57000E-01
3.00000E-01	6.06000E-01
4.00000E-01	5.67000E-01
5.00000E-01	5.36000E-01
6.00000E-01	5.09000E-01
7.00000E-01	4.85000E-01
8.00000E-01	4.64000E-01
9.00000E-01	4.46000E-01
1.00000E+00	4.29000E-01
1.20000E+00	3.99000E-01
1.40000E+00	3.74000E-01
1.60000E+00	3.52000E-01
1.80000E+00	3.33000E-01
2.00000E+00	3.16000E-01
2.50000E+00	2.80000E-01
3.00000E+00	2.52000E-01
3.50000E+00	2.29000E-01
4.00000E+00	2.10000E-01
4.50000E+00	1.94000E-01
5.00000E+00	1.81000E-01
5.50000E+00	1.69000E-01
6.00000E+00	1.59000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	1.42000E-01
8.00000E+00	1.29000E-01
9.00000E+00	1.18000E-01
1.00000E+01	1.09000E-01
1.10000E+01	1.02000E-01
1.20000E+01	9.60000E-02
1.30000E+01	9.00000E-02

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

SILVER NITRATE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	169.870	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.94060E-01
9.86000E-02	1.00820E+00
1.40230E+00	1.18820E+00
1.77570E+00	1.23890E+00
3.03220E+00	1.40940E+00
3.82300E+00	1.51580E+00

4.23060E+00	1.57050E+00
5.10640E+00	1.68740E+00
5.17840E+00	1.69700E+00
6.14380E+00	1.82500E+00
7.66330E+00	2.02530E+00
1.09000E+01	2.45300E+00

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

MOLALITY

DENSITY

5.28000E-02	1.00180E+00
3.24200E-01	1.03910E+00
8.23400E-01	1.10470E+00
1.73610E+00	1.21950E+00
3.05620E+00	1.37280E+00
4.58790E+00	1.53300E+00
4.93030E+00	1.56640E+00
5.47760E+00	1.61900E+00
7.77090E+00	1.81640E+00
7.90300E+00	1.83120E+00

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

CONCENTRATION

DENSITY

1.01270E-02	9.95490E-01
1.93350E-02	9.96780E-01
2.93690E-02	9.98200E-01
3.98730E-02	9.99660E-01
4.95070E-02	1.00104E+00
5.81360E-02	1.00224E+00
6.81300E-02	1.00362E+00
7.97630E-02	1.00526E+00
8.96810E-02	1.00663E+00
1.00320E-01	1.00811E+00
1.48670E-01	1.01485E+00
1.97340E-01	1.02167E+00
2.98990E-01	1.03580E+00
3.98420E-01	1.04961E+00
5.50800E-01	1.07082E+00
5.93140E-01	1.07654E+00
6.96790E-01	1.09087E+00
7.88730E-01	1.10364E+00
8.91800E-01	1.11783E+00
9.97130E-01	1.13225E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

VISCOSITY

-0.	7.22500E-01
9.86000E-02	7.28900E-01
1.40230E+00	8.10000E-01
1.77570E+00	8.38500E-01
3.03220E+00	9.58400E-01
3.82300E+00	1.05570E+00
4.23060E+00	1.10740E+00
5.10640E+00	1.24010E+00
5.17840E+00	1.25330E+00
6.14380E+00	1.42810E+00
7.66330E+00	1.77860E+00

1.09000E+01 3.02210E+00
CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

RELATIVE VISCOSITY

1.01270E-02	1.00200E+00
1.93350E-02	1.00300E+00
2.93690E-02	1.00400E+00
3.98730E-02	1.00400E+00
4.95070E-02	1.00500E+00
5.81360E-02	1.00500E+00
6.81300E-02	1.00700E+00
7.97630E-02	1.00700E+00
8.96810E-02	1.00800E+00
1.00320E-01	1.00800E+00
1.48670E-01	1.01100E+00
1.97340E-01	1.01600E+00
2.98990E-01	1.02200E+00
3.98420E-01	1.02900E+00
5.50800E-01	1.03700E+00
5.93140E-01	1.03800E+00
6.96790E-01	1.05000E+00
7.88730E-01	1.05800E+00
8.91800E-01	1.06600E+00
9.97130E-01	1.07600E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

MOLAR CONDUCTANCE

9.86000E-02	1.32500E+02
1.40230E+00	8.53700E+01
1.77570E+00	7.95500E+01
3.03220E+00	6.54100E+01
3.82300E+00	5.89100E+01
4.23060E+00	5.60600E+01
5.10640E+00	5.07100E+01
5.17840E+00	5.03200E+01
6.14380E+00	4.52800E+01
7.66330E+00	3.85500E+01
1.09000E+01	2.70000E+01

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.01270E-02	1.50040E+02
1.93350E-02	1.46100E+02
2.93690E-02	1.43000E+02
3.98730E-02	1.40550E+02
4.95070E-02	1.38450E+02
5.81360E-02	1.36890E+02
6.81300E-02	1.35220E+02
7.97630E-02	1.33550E+02
8.96810E-02	1.32230E+02
1.00320E-01	1.31010E+02
1.48670E-01	1.26040E+02
1.97340E-01	1.22160E+02
2.98990E-01	1.15910E+02
3.98420E-01	1.11160E+02
5.50800E-01	1.05520E+02

5.93140E-01	1.03960E+02
6.96790E-01	1.00810E+02
7.88730E-01	9.82400E+01
8.91800E-01	9.56300E+01
9.97130E-01	9.32500E+01

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION	DIFFUSION COEFFICIENT
0.	2.21200E-05
5.00000E-02	2.04800E-05
1.00000E-01	2.02000E-05
2.00000E-01	1.95000E-05
5.00000E-01	1.77600E-05
1.00000E+00	1.58000E-05
1.50000E+00	1.43000E-05
2.00000E+00	1.30400E-05
2.50000E+00	1.18800E-05
3.00000E+00	1.06800E-05
3.50000E+00	9.43000E-06
4.00000E+00	8.19000E-06

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

SILVER NITRATE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	169.870	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY	DENSITY
2.50000E-02	9.94000E-01
3.63000E-02	4.95800E-01 (sic)
1.40600E-01	1.00980E+00
2.64800E-01	1.02310E+00
6.66400E-01	1.08000E+00
9.75100E-01	1.11860E+00
1.71490E+00	1.21150E+00
1.86580E+00	1.22870E+00
2.59060E+00	1.31410E+00
3.57200E+00	1.42080E+00
4.31370E+00	1.49760E+00
5.63240E+00	1.62400E+00
7.18700E+00	1.75980E+00

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

CONCENTRATION	DIFFUSION COEFFICIENT
0.	2.68200E-05
5.00000E-02	2.54600E-05
9.98000E-02	2.48400E-05
1.00000E-01	2.48400E-05
1.97500E-01	2.40000E-05
2.00000E-01	2.39600E-05
4.89700E-01	2.20500E-05

5.00000E-01	2.20400E-05
9.67400E-01	1.97600E-05
1.00000E+00	1.96000E-05
1.50000E+00	1.76800E-05
2.00000E+00	1.60000E-05
2.50000E+00	1.45400E-05
3.00000E+00	1.33000E-05
3.50000E+00	1.21000E-05
4.00000E+00	1.10200E-05

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

MOLALITY

DIFFUSION COEFFICIENT

1.00900E-01	2.38600E-05
2.00600E-01	2.33100E-05
5.01700E-01	2.19400E-05
1.00780E+00	1.99900E-05

LONGSWORTH. STRUCTURE OF ELECTROLYTIC SOLUTIONS. ED HAMER. 1959

SILVER NITRATE IN WATER AT 95 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
95.000	169.870	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.61920E-01
5.34000E-02	9.69600E-01
1.22000E+00	1.11600E+00
2.18900E+00	1.25200E+00
2.96700E+00	1.36400E+02
4.82900E+00	1.61700E+00
6.59100E+00	1.85200E+00
8.83000E+00	2.15700E+00
9.90600E+00	2.29300E+00
1.18760E+02	2.54000E+00
1.40200E+01	2.81600E+00

CAMPBELL & KARTZMARK. CAN J CHEM 30, 128 (1952)

CONCENTRATION

RELATIVE VISCOSITY

5.34000E-02	9.92800E-01
1.22000E+00	1.12200E+00
2.18900E+00	1.26300E+00
2.96700E+00	1.42500E+00
4.82900E+00	1.79700E+00
6.59100E+00	2.28000E+00
8.83000E+00	3.10700E+00
9.90600E+00	3.59000E+00
1.18760E+01	4.26200E+00

CAMPBELL & KARTZMARK. CAN J CHEM 30, 128 (1952)

CONCENTRATION

MOLAR CONDUCTANCE

5.34000E-02	2.98300E+02
1.22000E+00	1.72700E+02
2.18900E+00	1.47800E+02
2.96700E+00	1.30800E+02
4.82900E+00	1.03100E+02
6.59100E+00	8.48800E+01
8.83000E+00	6.81200E+01
9.90600E+00	6.12800E+01
1.18760E+01	5.03500E+01
1.40200E+01	4.00800E+01

CAMPBELL & KARTZMARK. CAN J CHEM 30, 128 (1952)

SILVER NITRATE IN WATER AT 221.7 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
221.700	169.870	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

9.65000E-02	8.39300E-01
1.11900E+00	1.00300E+00
1.86800E+00	1.11100E+00
3.13000E+00	1.29600E+00
4.04700E+00	1.41300E+00
4.07600E+00	1.41800E+00
4.90000E+00	1.51500E+00
5.76300E+00	1.65200E+00
6.15900E+00	1.71800E+00
7.09700E+00	1.83100E+00
8.12400E+00	1.98200E+00
9.76100E+00	2.19900E+00
1.19800E+01	2.49500E+00
1.43200E+01	2.83200E+00
1.60100E+01	3.05900E+00
1.77100E+01	3.26800E+00
2.31900E+01	3.94000E+00

CAMPBELL, KARTZMARK, BEDNAS & HERRON. CAN J CHEM 32, 1051 (1954)

CONCENTRATION

EQUIVALENT CONDUCTANCE

9.65000E-02	5.81900E+02
1.11900E+00	3.25200E+02
1.86800E+00	2.83000E+02
3.13000E+00	2.27200E+02
4.07600E+00	1.97000E+02
4.90000E+00	1.79800E+02
5.76300E+00	1.63400E+02
6.15900E+00	1.57500E+02
7.09700E+00	1.44200E+02
8.12400E+00	1.29600E+02
9.76100E+00	1.13200E+02
1.19800E+01	9.47800E+01
1.43200E+01	7.83400E+01
1.60100E+01	6.77100E+01

1.77100E+01 5.75400E+01
 2.31900E+01 3.10000E+01
 CAMPBELL, KARTZMARK, BEDNAS & HERRON. CAN J CHEM 32, 1051 (1954)

BARIUM CHLORIDE IN WATER AT 25 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 25.000 208.250 18.015 3.0 1.0 2.0 2.0 -1.0

CONCENTRATION

DENSITY

5.00000E-05 9.97083E-01
 1.00000E-04 9.97089E-01
 2.50000E-04 9.97113E-01
 5.00000E-04 9.97159E-01
 1.00000E-03 9.97262E-01
 2.50000E-03 9.97527E-01
 5.00000E-03 9.97989E-01
 1.00000E-02 9.98917E-01
 2.50000E-02 1.00166E+00
 5.00000E-02 1.00623E+00
 1.00000E-01 1.01532E+00
 2.50000E-01 1.04241E+00
 5.01210E-01 1.08729E+00
 1.00800E+00 1.17647E+00
 JONES & RAY. JACS 63, 288 (1941)

CONCENTRATION

DENSITY

4.88910E-02 1.00600E+00
 SHEDLOVSKY & BROWN. JACS 56, 1066 (1934)

CONCENTRATION

DENSITY

4.99800E-03 9.98210E-01
 1.00220E-02 9.98840E-01
 2.49920E-02 1.00160E+00
 4.92790E-02 1.00600E+00
 9.99700E-02 1.01510E+00
 2.49760E-01 1.04210E+00
 4.96800E-01 1.08660E+00
 9.91300E-01 1.17360E+00
 JONES & DOLE. JACS 51, 2950 (1929)

MOLALITY

VISCOSITY

1.00000E-01 9.15000E-01
 2.50000E-01 9.48000E-01
 5.00000E-01 1.01000E+00
 7.50000E-01 1.07000E+00
 1.00000E+00 1.14000E+00
 1.25000E+00 1.21000E+00
 1.50000E+00 1.30000E+00

1.77600E+00 1.39000E+00
TANAKA. NIPPON KAGAKU ZASSHI 83, 645 (1962)

CONCENTRATION

RELATIVE VISCOSITY

5.00000E-03	1.00248E+00
1.00000E-02	1.00371E+00
2.50000E-02	1.00821E+00
5.00000E-02	1.01474E+00
1.00000E-01	1.02704E+00
2.50000E-01	1.06438E+00
4.97200E-01	1.12893E+00
9.91300E-01	1.28049E+00

JONES & DOLE. JACS 51, 2950 (1929)

MOLALITY

CONDUCTIVITY

5.00000E-02	1.02700E-02
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KONDRATEV & NIKICH. ZH FIZ KHIM 37, 100 (1963)

CONCENTRATION

EQUIVALENT CONDUCTANCE

0.	1.39980E+02
5.00000E-04	1.34340E+02
1.00000E-03	1.32100E+02
1.50000E-03	1.30480E+02
2.00000E-03	1.29150E+02
2.50000E-03	1.28020E+02
3.00000E-03	1.27030E+02
3.50000E-03	1.26140E+02
4.00000E-03	1.25350E+02
4.50000E-03	1.24620E+02
5.00000E-03	1.23940E+02
1.00000E-02	1.19090E+02
1.50000E-02	1.15830E+02
2.00000E-02	1.13440E+02
2.50000E-02	1.11480E+02
3.00000E-02	1.09860E+02
3.50000E-02	1.08480E+02
4.00000E-02	1.07250E+02
4.50000E-02	1.06160E+02
5.00000E-02	1.05190E+02

SHEDLOVSKY & BROWN. JACS 56, 1066 (1934)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.58800E-02	1.22800E+02
3.17600E-02	1.16300E+02
6.35000E-02	1.09900E+02
1.27000E-01	1.02100E+02
1.69400E-01	9.91000E+01
2.25800E-01	9.67000E+01
3.01200E-01	9.42000E+01
3.10400E-01	9.48000E+01
3.81700E-01	9.30000E+01
4.01600E-01	9.10000E+01
5.08940E-01	8.93000E+01
6.20790E-01	8.72000E+01

6.78480E-01	8.58000E+01
7.13860E-01	8.41000E+01
9.04590E-01	8.19000E+01
1.24166E+00	7.80000E+01
1.60808E+00	7.42000E+01
1.86241E+00	6.93000E+01
2.79358E+00	6.02000E+01
2.85542E+00	5.98000E+01
5.35400E-01	8.78000E+01

CALVERT, CORNELIUS, GRIFFITHS & STOCK. J PHYS CHEM 62, 47 (1958)

NORMALITY

TRANSFERENCE NUMBER

2.00000E-02	4.39000E-01
5.00000E-02	4.26000E-01
1.00000E-01	4.18000E-01
2.00000E-01	4.06000E-01
5.00000E-01	3.86000E-01
1.00000E+00	3.77000E-01
1.50000E+00	3.74000E-01
2.00000E+00	3.72000E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

TRANSFERENCE NUMBER

0.	4.47600E-01
1.00000E-03	4.44400E-01
5.00000E-03	4.40500E-01
1.00000E-02	4.37500E-01
2.50000E-02	4.31700E-01
5.00000E-02	4.25300E-01
1.00000E-01	4.16200E-01
2.50000E-01	3.98600E-01
5.00000E-01	3.79200E-01
1.00000E+00	3.52800E-01
1.03500E+00	3.51400E-01

JONES & DOLE. JACS 51, 1073 (1929)

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.38700E-05
6.80000E-04	1.33200E-05
9.70000E-04	1.31900E-05
1.09000E-03	1.32100E-05
1.39000E-03	1.30800E-05
2.14000E-03	1.30200E-05
2.29000E-03	1.30100E-05
2.87000E-03	1.28500E-05
4.03000E-03	1.26500E-05
4.52000E-03	1.27100E-05
5.42000E-03	1.26100E-05

HARNED & POLESTRA. JACS 76, 2064 (1954)

CONCENTRATION

DIFFUSION COEFFICIENT

1.83300E-02	1.21700E-05
4.23400E-02	1.18600E-05
5.33400E-02	1.17400E-05

1.06600E-01	1.15900E-05
1.41800E-01	1.15200E-05
2.26700E-01	1.15000E-05
3.96800E-01	1.15500E-05
9.21800E-01	1.17800E-05
9.21800E-01	1.17700E-05
1.34420E+00	1.17800E-05
1.44860E+00	1.18100E-05
1.50340E+00	1.18000E-05

VITAGLIANO & LYONS. JACS 78, 1549 (1956)

MOLALITY

	GAMMA
1.00000E-01	5.08000E-01
2.00000E-01	4.50000E-01
3.00000E-01	4.25000E-01
4.00000E-01	4.11000E-01
5.00000E-01	4.03000E-01
6.00000E-01	3.97000E-01
7.00000E-01	3.97000E-01
8.00000E-01	3.97000E-01
9.00000E-01	3.97000E-01
1.00000E+00	4.01000E-01
1.20000E+00	4.11000E-01
1.40000E+00	4.24000E-01
1.60000E+00	4.39000E-01
1.80000E+00	4.55000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

CALCIUM CHLORIDE IN WATER AT 15 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
15.000	110.990	18.015	3.0	1.0	2.0	2.0	-1.0

MASS FRACTION

	DENSITY
0.	9.99000E-01
1.12700E-01	1.09600E+00
1.83700E-01	1.16200E+00
2.20000E-01	1.19800E+00
2.57500E-01	1.23500E+00
2.92100E-01	1.27000E+00
3.27300E-01	1.30700E+00
3.52100E-01	1.33500E+00
3.71500E-01	1.35700E+00
3.90300E-01	1.37900E+00
4.08700E-01	1.40000E+00
4.11300E-01	1.41000E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

	DENSITY
0.	9.99100E-01
3.86000E-02	1.03200E+00

8.01000E-02	1.06840E+00
1.40800E-01	1.12390E+00
2.25000E-01	1.20700E+00
2.30600E-01	1.21260E+00
2.82300E-01	1.26760E+00
3.78900E-01	1.37730E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

VISCOSITY

0.	1.13360E+00
1.12700E-01	1.52800E+00
1.83700E-01	1.98000E+00
2.20000E-01	2.32400E+00
2.57500E-01	2.79500E+00
2.92100E-01	3.46800E+00
3.27300E-01	4.60400E+00
3.52100E-01	5.86100E+00
3.71500E-01	7.08900E+00
3.90300E-01	8.75600E+00
4.08700E-01	1.09450E+01
4.11300E-01	1.17090E+01

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

NORMALITY

EQUIVALENT CONDUCTANCE

5.00000E-04	1.05300E+02
1.00000E-03	1.04050E+02
2.00000E-03	1.02350E+02
3.00000E-03	1.01110E+02
5.00000E-03	9.92800E+01
7.00000E-03	9.78900E+01
1.00000E-02	9.62400E+01

BENSON & GORDON. J CHEM PHYS 13, 470 (1945)

NORMALITY

REFRACTANCE NUMBER

1.99900E-02	4.19200E-01
1.99900E-02	4.19100E-01
1.99950E-02	4.19000E-01
2.99800E-02	4.15400E-01
2.99700E-02	4.15600E-01
5.00200E-02	4.10400E-01
5.00600E-02	4.10100E-01
5.00600E-02	4.10100E-01
5.00600E-02	4.10400E-01
9.98700E-02	4.02400E-01
5.02900E-02	4.10400E-01
9.98700E-02	4.02100E-01
1.00040E-01	4.02300E-01
1.49930E-01	3.96500E-01
1.49930E-01	3.96500E-01
1.50010E-01	3.96600E-01

KEENAN, MC LEOD & GORDON. J CHEM PHYS 13, 466 (1945)

CONCENTRATION

DIFFUSION COEFFICIENT

2.50000E-03	9.13000E-06
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1.00000E-02	8.93000E-06
4.00000E-02	8.76000E-06
9.00000E-02	8.71000E-06
2.50000E-01	8.78000E-06
4.90000E-01	8.98000E-06

HOLLINGSHEAD & GORDON. J CHEM PHYS 9, 152 (1941)

CALCIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	110.990	18.015	3.0	1.0	2.0	2.0	-1.0

CONCENTRATION

	DENSITY
3.97640E-02	1.00070E+00
4.94930E-02	1.00161E+00
1.19558E-01	1.00791E+00
1.27298E-01	1.00868E+00

SHEDLOVSKY & BROWN. JACS 56, 1066 (1934)

CONCENTRATION

	DENSITY
2.51800E+00	1.20720E+00
3.94900E+00	1.31660E+00
4.05400E+00	1.32390E+00
4.46700E+00	1.35310E+00
4.53600E+00	1.35820E+00
4.98400E+00	1.38910E+00
5.04200E+00	1.39340E+00
5.37100E+00	1.41390E+00
5.47700E+00	1.42130E+00
5.96400E+00	1.45180E+00
6.04300E+00	1.45770E+00

LYONS & RILEY. JACS 76, 5216 (1954)

CONCENTRATION

	RELATIVE VISCOSITY
9.53000E-02	1.03100E+00
1.91800E-01	1.06200E+00
3.72400E-01	1.11900E+00
6.37300E-01	1.20800E+00
7.52000E-01	1.24700E+00
7.79800E-01	1.25900E+00
8.79700E-01	1.29700E+00
1.08240E+00	1.37700E+00
1.11550E+00	1.39100E+00
1.39800E+00	1.52300E+00
1.52500E+00	1.58400E+00
1.91700E+00	1.81200E+00
2.01600E+00	1.87300E+00
2.51800E+00	2.26300E+00
3.20200E+00	3.03500E+00
3.29800E+00	3.17900E+00
3.94900E+00	4.46100E+00

4.05400E+00	4.73400E+00
4.46700E+00	6.03900E+00
4.53600E+00	6.31400E+00
4.98400E+00	8.47500E+00
5.04200E+00	8.90500E+00
5.37100E+00	1.10100E+01
5.47700E+00	1.19100E+01
5.96400E+00	1.70100E+01
6.04300E+00	1.82700E+01

LYONS & RILEY. JACS 76, 5216 (1954)

NORMALITY

EQUIVALENT CONDUCTANCE

5.00000E-04	1.31900E+02
1.00000E-03	1.30320E+02
2.00000E-03	1.28200E+02
3.00000E-03	1.26610E+02
5.00000E-03	1.24230E+02
7.00000E-03	1.22470E+02
1.00000E-02	1.20380E+02

BENSON & GORDON. J CHEM PHYS 13, 470 (1945)

MOLALITY

CONDUCTIVITY

5.01200E-02	1.00500E-02
1.01100E-01	1.84900E-02
2.50000E-01	4.10900E-02
5.01500E-01	7.49000E-02
9.85100E-01	1.19700E-01

KONDRATEV & NIKICH. ZH FIZ KHIM 37, 100 (1963)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.35840E+02
5.00000E-04	1.30360E+02
1.00000E-03	1.28200E+02
1.50000E-03	1.26620E+02
2.00000E-03	1.25340E+02
2.50000E-03	1.24250E+02
3.00000E-03	1.23290E+02
3.50000E-03	1.22450E+02
4.00000E-03	1.21700E+02
4.50000E-03	1.21000E+02
5.00000E-03	1.20360E+02
1.00000E-02	1.15650E+02
1.50000E-02	1.12580E+02
2.00000E-02	1.10300E+02
2.50000E-02	1.08470E+02
3.00000E-02	1.06910E+02
3.50000E-02	1.05590E+02
4.00000E-02	1.04430E+02
4.50000E-02	1.03400E+02
5.00000E-02	1.02460E+02

SHEDLOVSKY & BROWN. JACS 56, 1066 (1934)

NORMALITY

TRANSFERENCE NUMBER

1.00000E-02	4.26400E-01
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2.00000E-02	4.22000E-01
5.00000E-02	4.14000E-01
1.00000E-01	4.06000E-01
2.00000E-01	3.95300E-01

LONGSWORTH. JACS 57, 1185 (1935)

NORMALITY	TRANSFERENCE NUMBER
9.99700E-03	4.27800E-01
9.97500E-03	4.28000E-01
1.99720E-02	4.23300E-01
1.99720E-02	4.23100E-01
1.99950E-02	4.23000E-01
1.99950E-02	4.23400E-01
1.99970E-02	4.23400E-01
2.00610E-02	4.23500E-01
2.99190E-02	4.20300E-01
2.99190E-02	4.20100E-01
3.00650E-02	4.20300E-01
4.99910E-02	4.15000E-01
4.99910E-02	4.15100E-01
5.00510E-02	4.15000E-01
5.00510E-02	4.15000E-01
5.00510E-02	4.15100E-01
6.97700E-02	4.11600E-01
7.00100E-02	4.11500E-01
9.61800E-02	4.07700E-01
9.71400E-02	4.07700E-01
9.72100E-02	4.07300E-01
9.98500E-02	4.07100E-01
1.44280E-01	4.01700E-01
1.49970E-01	4.01000E-01
1.50140E-01	4.01200E-01

KEENAN, MC LEOD & GORDON. J CHEM PHYS 13, 466 (1945)

NORMALITY	TRANSFERENCE NUMBER
-0.	4.38000E-01
5.00000E-03	4.30700E-01
1.00000E-02	4.27700E-01
2.00000E-02	4.23400E-01
3.00000E-02	4.20200E-01
5.00000E-02	4.15100E-01
7.00000E-02	4.11300E-01
1.00000E-01	4.07000E-01
1.50000E-01	4.01000E-01

KEENAN, MC LEOD & GORDON. J CHEM PHYS 13, 466 (1945)

NORMALITY	TRANSFERENCE NUMBER
2.00000E-02	4.20000E-01
5.00000E-02	4.13000E-01
1.00000E-01	4.04000E-01
2.00000E-01	3.87000E-01
5.00000E-01	3.39000E-01
1.00000E+00	2.89000E-01
1.50000E+00	2.68000E-01
2.00000E+00	2.59000E-01
3.00000E+00	2.53000E-01

5.00000E+00 2.52000E-01
6.00000E+00 2.51000E-01
KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION	DIFFUSION COEFFICIENT
2.81300E-02	1.15300E-05
5.47000E-02	1.13600E-05
1.02000E-01	1.12200E-05
1.93000E-01	1.12300E-05
3.14200E-01	1.13200E-05
4.69400E-01	1.15200E-05
6.70600E-01	1.17700E-05
1.00000E+00	1.22000E-05
1.44200E+00	1.27100E-05
1.46200E+00	1.27100E-05
2.04600E+00	1.31000E-05
2.57000E+00	1.31100E-05
3.25000E+00	1.24800E-05
4.00100E+00	1.07800E-05
4.48600E+00	9.19000E-06
5.01200E+00	7.16300E-06
5.42400E+00	5.71500E-06
6.00400E+00	4.02000E-06

LYONS & RILEY. JACS 76, 5216 (1954)

CONCENTRATION	DIFFUSION COEFFICIENT
2.50000E-03	1.20400E-05
1.00000E-02	1.16200E-05
4.00000E-02	1.13500E-05
9.00000E-02	1.12800E-05
2.50000E-01	1.13800E-05
4.90000E-01	1.16200E-05

HOLLINGSHEAD & GORDON. J CHEM PHYS 9, 152 (1941)

CONCENTRATION	DIFFUSION COEFFICIENT
1.50000E-02	1.15500E-05
2.50000E-02	1.14300E-05
7.00000E-02	1.11300E-05
1.00000E-01	1.11000E-05
2.00000E-01	1.11100E-05
3.00000E-01	1.11800E-05
5.00000E-01	1.14000E-05
7.00000E-01	1.16600E-05
1.00000E+00	1.20300E-05
1.50000E+00	1.26300E-05
2.00000E+00	1.30700E-05
2.50000E+00	1.30600E-05
3.00000E+00	1.26500E-05
3.25000E+00	1.23300E-05
3.50000E+00	1.19500E-05

HALL, WISHAW & STOKES. JACS 75, 1556 (1953)

CONCENTRATION	DIFFUSION COEFFICIENT
5.00000E-02	1.12900E-05

1.00000E-01	1.12000E-05
2.00000E-01	1.11700E-05
3.00000E-01	1.11900E-05
4.00000E-01	1.12400E-05
5.00000E-01	1.13200E-05
6.00000E-01	1.14800E-05
7.00000E-01	1.16700E-05
8.00000E-01	1.18900E-05
9.00000E-01	1.21500E-05
1.00000E+00	1.24300E-05

ROBINSON & CHIA. JACS 74, 2776 (1952)

CONCENTRATION	DIFFUSION COEFFICIENT
-0.	1.33640E-05
1.05000E-03	1.24800E-05
1.73000E-03	1.23500E-05
1.83000E-03	1.23100E-05
1.93000E-03	1.22500E-05
2.30000E-03	1.21800E-05
3.09000E-03	1.19900E-05
4.29000E-03	1.19200E-05
5.01000E-03	1.17900E-05

HARNED & LEVY. JACS 71, 2781 (1949)

CONCENTRATION	DIFFUSION COEFFICIENT
-0.	1.33600E-05
1.70000E-03	1.25100E-05
2.10000E-03	1.23600E-05
3.20000E-03	1.22700E-05
4.30000E-03	1.21400E-05
5.40000E-03	1.20900E-05
7.00000E-03	1.20000E-05
1.20000E-02	1.18300E-05
1.39000E-02	1.17500E-05
1.62000E-02	1.16700E-05
2.81000E-02	1.15300E-05
5.47000E-02	1.13600E-05
1.02000E-01	1.12200E-05

HARNED & PARKER. JACS 77, 265 (1955)

MOLALITY	GAMMA
1.00000E-01	5.18000E-01
2.00000E-01	4.72000E-01
3.00000E-01	4.55000E-01
4.00000E-01	4.48000E-01
5.00000E-01	4.48000E-01
6.00000E-01	4.53000E-01
7.00000E-01	4.60000E-01
8.00000E-01	4.70000E-01
9.00000E-01	4.84000E-01
1.00000E+00	5.00000E-01
1.20000E+00	5.39000E-01
1.40000E+00	5.87000E-01
1.60000E+00	6.44000E-01
1.80000E+00	7.12000E-01
2.00000E+00	7.92000E-01

2.50000E+00	1.06300E+00
3.00000E+00	1.48300E+00
3.50000E+00	2.08000E+00
4.00000E+00	2.93000E+00
4.50000E+00	4.17000E+00
5.00000E+00	5.89000E+00
5.50000E+00	8.18000E+00
6.00000E+00	1.11100E+01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

CALCIUM CHLORIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	110.990	18.015	3.0	1.0	2.0	2.0	-1.0

NORMALITY

EQUIVALENT CONDUCTANCE

5.00000E-04	1.60580E+02
1.00000E-03	1.58640E+02
2.00000E-03	1.55970E+02
3.00000E-03	1.53980E+02
5.00000E-03	1.51030E+02
7.00000E-03	1.48840E+02
1.00000E-02	1.46210E+02

BENSON & GORDON. J CHEM PHYS 13, 470 (1945)

NORMALITY

TRANSFERENCE NUMBER

0.	4.42700E-01
5.00000E-03	4.35400E-01
1.00000E-02	4.42400E-01
2.00000E-02	4.28100E-01
3.00000E-02	4.24900E-01
5.00000E-02	4.19800E-01
7.00000E-02	4.16000E-01
1.00000E-01	4.11700E-01
1.50000E-01	4.05700E-01

KEENAN, MC LEOD & GORDON. J CHEM PHYS 13, 466 (1945)

CONCENTRATION

DIFFUSION COEFFICIENT

2.50000E-03	1.53000E-05
1.00000E-02	1.47500E-05
4.00000E-02	1.43300E-05
9.00000E-02	1.42200E-05
2.50000E-01	1.43200E-05
4.90000E-01	1.46200E-05

HOLLINGSHEAD & GORDON. J CHEM PHYS 9, 152 (1941)

CADMIUM SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	208.460	18.015	2.0	1.0	1.0	2.0	-2.0

CONCENTRATION

	RELATIVE DENSITY
6.90000E-05	1.00002E+00
1.18000E-04	1.00003E+00
1.93000E-04	1.00004E+00
2.68000E-04	1.00006E+00
3.43000E-04	1.00007E+00
3.95000E-04	1.00008E+00
4.83000E-04	1.00011E+00
5.77000E-04	1.00012E+00
6.77000E-04	1.00015E+00
8.04000E-04	1.00017E+00
9.43000E-04	1.00019E+00
1.10800E-03	1.00023E+00
1.36200E-03	1.00028E+00
1.62200E-03	1.00033E+00
1.99700E-03	1.00041E+00
2.35700E-03	1.00048E+00
2.78700E-03	1.00057E+00
3.26400E-03	1.00066E+00
3.78700E-03	1.00077E+00
4.41000E-03	1.00090E+00
5.31500E-03	1.00108E+00
6.29400E-03	1.00128E+00
7.24700E-03	1.00147E+00
8.17600E-03	1.00165E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

MOLALITY

	VISCOSITY
-0.	8.88500E-01
2.55000E-01	1.05700E+00
5.07000E-01	1.21900E+00
1.02900E+00	1.71300E+00
1.55900E+00	2.38800E+00
2.10500E+00	3.39200E+00
2.66900E+00	4.79500E+00

DEMICHOWICZ-PIGONIOWA. ROCZNIKI CHEMII 36, 1677 (1962)

NORMALITY

	VISCOSITY
5.00000E-02	9.18300E-01
1.00000E-01	9.27200E-01
2.50000E-01	9.73000E-01
5.00000E-01	1.03900E+00
1.00000E+00	1.20800E+00
1.50000E+00	1.40900E+00
2.00000E+00	1.64400E+00
2.50000E+00	1.93500E+00
3.00000E+00	2.29200E+00
3.50000E+00	2.71000E+00
4.00000E+00	3.20500E+00
4.50000E+00	3.84300E+00
5.00000E+00	4.63800E+00

DEMICHOWICZ-PIGONIOWA. ROCZNIKI CHEMII 33, 203 (1959)

CONCENTRATION

RELATIVE VISCOSITY

6.90000E-05	1.00020E+00
1.18000E-04	1.00028E+00
1.93000E-04	1.00032E+00
2.68000E-04	1.00042E+00
3.43000E-04	1.00046E+00
3.95000E-04	1.00053E+00
4.83000E-04	1.00054E+00
5.77000E-04	1.00064E+00
6.77000E-04	1.00071E+00
8.04000E-04	1.00080E+00
9.43000E-04	1.00090E+00
1.10800E-03	1.00105E+00
1.36200E-03	1.00124E+00
1.62200E-03	1.00140E+00
1.99700E-03	1.00173E+00
2.35700E-03	1.00202E+00
2.78700E-03	1.00228E+00
3.26400E-03	1.00263E+00
3.78700E-03	1.00294E+00
4.41000E-03	1.00341E+00
5.31500E-03	1.00393E+00
6.29400E-03	1.00465E+00
7.24700E-03	1.00534E+00
8.17600E-03	1.00593E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

NORMALITY

EQUIVALENT CONDUCTANCE

2.00000E-04	1.22500E+02
5.00000E-04	1.18000E+02
1.00000E-03	1.13000E+02
2.00000E-03	1.05500E+02
5.00000E-03	9.25000E+01
1.00000E-02	8.19000E+01
2.00000E-02	7.03000E+01
5.00000E-02	5.67000E+01
1.00000E-01	4.87500E+01
2.00000E-01	4.17000E+01
5.00000E-01	3.32000E+01
7.00000E-01	3.02000E+01
1.00000E+00	2.70000E+01
1.30000E+00	2.43000E+01
2.00000E+00	2.04000E+01

DEMASSIEUX & FEDOROFF. ANN DE CHIM, SER 11, 16, 215 (1941)

MOLALITY

TRANSFERENCE NUMBER

2.40000E+00	1.99000E-01
2.21100E+00	2.07000E-01
1.96100E+00	2.20000E-01
1.64000E+00	2.34000E-01
1.29700E+00	2.49000E-01
9.75000E-01	2.66000E-01
7.38400E-01	2.80000E-01
5.05800E-01	2.95000E-01

2.36100E-01	3.30000E-01
9.95000E-02	3.70000E-01
5.21600E-02	3.84000E-01
1.28600E-02	3.84000E-01
4.73100E-03	3.84000E-01
1.73700E-03	3.84000E-01

LANG \$ KING. JACS 76, 4716 (1954)

MOLALITY

TRANSFERENCE NUMBER	
1.00000E-02	3.97000E-01
3.33000E-02	3.88000E-01
1.00000E-01	3.58000E-01
3.33000E-01	3.09000E-01
1.00000E+00	2.44000E-01
2.06000E+00	1.72000E-01

BRECK. TRANS FARADAY SOC 52, 247 (1956)

CONCENTRATION

DIFFUSION COEFFICIENT	
1.00000E-03	9.16000E-06
3.00000E-03	8.86000E-06
5.00000E-03	8.64000E-06
7.00000E-03	8.42000E-06
1.21000E-02	7.89000E-06
2.11000E-02	7.61000E-06
3.51000E-02	7.42000E-06
5.90000E-02	7.19000E-06

GOKHSHEIN. ZHUR FIZ KHIM 28, 1417 (1954)

MOLALITY

DIFFUSION COEFFICIENT	
5.02000E-02	6.00000E-06
9.18000E-02	5.66000E-06
1.82800E-01	5.19000E-06
5.00500E-01	4.36000E-06

LONGSWORTH. STRUCTURE OF ELECTROLYTIC SOLUTIONS. ED HAMER. 1959

MOLALITY

GAMMA	
5.00000E-04	7.74000E-01
1.00000E-03	6.99000E-01
3.00000E-03	5.51000E-01
5.00000E-03	4.76000E-01
1.00000E-02	3.83000E-01
3.00000E-02	2.54000E-01
5.00000E-02	1.99000E-01
1.00000E-01	1.37000E-01
5.00000E-01	6.05000E-02
1.00000E+00	4.18000E-02
1.50000E+00	3.85000E-02
2.00000E+00	3.04000E-02
2.50000E+00	2.82000E-02
3.00000E+00	2.61000E-02
3.50000E+00	3.60000E-02

LA MER \$ PARKS. J AM CHEM SOC 53, 2040 (1931)

MOLALITY

GAMMA

1.00000E-01	1.50000E-01
2.00000E-01	1.03000E-01
3.00000E-01	8.22000E-02
4.00000E-01	6.99000E-02
5.00000E-01	6.15000E-02
6.00000E-01	5.53000E-02
7.00000E-01	5.05000E-02
8.00000E-01	4.68000E-02
9.00000E-01	4.38000E-02
1.00000E+00	4.15000E-02
1.20000E+00	3.79000E-02
1.40000E+00	3.55000E-02
1.60000E+00	3.38000E-02
1.80000E+00	3.27000E-02
2.00000E+00	3.21000E-02
2.50000E+00	3.17000E-02
3.00000E+00	3.29000E-02
3.50000E+00	3.56000E-02

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

5.00000E-02	2.90000E-01
1.00000E-01	2.00000E-01
2.00000E-01	1.30000E-01
5.00000E-01	8.00000E-02
1.00000E+00	5.00000E-02
3.70000E+00	4.00000E-02

GETMAN. J PHYS CHEM 32, 91 (1928)

MOLALITY

GAMMA

1.00000E-01	1.66000E-01
2.00000E-01	1.13000E-01
3.00000E-01	9.02000E-02
4.00000E-01	7.66000E-02
5.00000E-01	6.74000E-02
7.00000E-01	5.54000E-02
1.00000E+00	4.55000E-02
1.50000E+00	3.78000E-02
2.00000E+00	3.52000E-02
2.50000E+00	3.49000E-02
3.00000E+00	3.62000E-02
3.50000E+00	3.88000E-02

ROBINSON & JONES. JACS 58, 959 (1936)

CESIUM FORMATE IN WATER AT 50.5 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.500	177.920	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.87800E-01
1.19300E+00	1.14200E+00
2.41400E+00	1.30300E+00
4.89200E+00	1.61300E+00
9.06800E+00	2.14700E+00

RICE & KRAUS. PROC NAT ACAD SCI 39, 802 (1953)

CONCENTRATION

VISCOSITY

-0.	5.44900E-01
7.49600E-01	5.84700E-01
1.78400E+00	6.53300E-01
2.80800E+00	7.31300E-01
3.98900E+00	8.50000E-01
5.81900E+00	1.11700E+00
6.83400E+00	1.33800E+00
8.20300E+00	1.80900E+00
9.60500E+00	2.61200E+00

RICE & KRAUS. PROC NAT ACAD SCI 39, 802 (1953)

CONCENTRATION

MOLAR CONDUCTANCE

3.05500E-01	1.53500E+02
5.43000E-01	1.45800E+02
8.10400E-01	1.38100E+02
1.40000E+00	1.25600E+02
1.78500E+00	1.18900E+02
2.43700E+00	1.09500E+02
3.23100E+00	9.88400E+01
4.62900E+00	8.17800E+01
6.91300E+00	5.43300E+01
9.03400E+00	3.31800E+01
1.00600E+01	2.48400E+01
1.01300E+01	2.48000E+01

RICE & KRAUS. PROC NAT ACAD SCI 39, 802 (1953)

CESIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	168.360	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

5.00200E-01	1.06100E+00
1.00000E+00	1.12430E+00
2.26900E+00	1.28290E+00
2.99700E+00	1.37330E+00
3.99800E+00	1.49660E+00
5.00100E+00	1.61970E+00
5.99800E+00	1.74080E+00

LYONS & RILEY. JACS 76, 5216 (1954)

MOLALITY

DENSITY

3.95700E-01	1.04680E+00
8.01900E-01	1.09580E+00
1.49420E+00	1.17490E+00
2.39600E+00	1.27060E+00
3.63260E+00	1.39030E+00
5.39660E+00	1.53810E+00
7.66750E+00	1.70540E+00
1.05990E+01	1.88360E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

DENSITY

5.00300E-01	1.05957E+00
9.82600E-01	1.11691E+00
1.50230E+00	1.17578E+00
2.00200E+00	1.22981E+00
2.50640E+00	1.28188E+00
3.01230E+00	1.33181E+00
3.50300E+00	1.37820E+00
4.00450E+00	1.42364E+00
4.50260E+00	1.46695E+00
5.01440E+00	1.50962E+00

STAKHANOVA & VASILEV. ZH FIZ KHIM 37, 1568 (1963)

MOLALITY

VISCOSITY

3.95700E-01	8.76900E-01
8.01900E-01	8.63500E-01
1.49420E+00	8.53500E-01
2.39600E+00	8.44900E-01
3.63260E+00	8.59700E-01
5.39660E+00	8.98800E-01
7.66750E+00	9.90900E-01
1.05990E+01	1.18030E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

RELATIVE VISCOSITY

5.97500E-01	9.80000E-01
1.50900E+00	9.64000E-01
2.26700E+00	9.56000E-01
3.08800E+00	9.77000E-01
4.05800E+00	1.01000E+00

SATOH & HAYASHI. BULL CHEM SOC JAPAN 34, 1260 (1961)

CONCENTRATION

RELATIVE VISCOSITY

5.00200E-01	9.78900E-01
1.00000E+00	9.63100E-01
2.26900E+00	9.46400E-01
2.99700E+00	9.52500E-01
3.99800E+00	9.82100E-01
5.00100E+00	1.03600E+00
5.99800E+00	1.12900E+00

LYONS & RILEY. JACS 76, 5216 (1954)

CONCENTRATION MOLAR CONDUCTANCE
9.76560E-04 1.53000E+02
1.95300E-03 1.50700E+02
3.90600E-03 1.48300E+02
7.81200E-03 1.46400E+02
1.56250E-02 1.43300E+02
3.12500E-02 1.39000E+02
LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION CONDUCTIVITY
2.44100E-04 3.73100E-05
4.88300E-04 7.45600E-05
9.76600E-04 1.49900E-04
1.95300E-03 2.94400E-04
3.90600E-03 5.83200E-04
7.81200E-03 1.15800E-03
LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION TRANSFERENCE NUMBER
2.00000E-02 3.90000E-01
5.00000E-02 3.77000E-01
1.00000E-01 3.65000E-01
2.00000E-01 3.46000E-01
5.00000E-01 3.36000E-01
KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION DIFFUSION COEFFICIENT
-0. 2.04600E-05
1.22000E-03 2.00700E-05
1.31000E-03 2.01200E-05
1.34000E-03 2.01100E-05
1.79000E-03 2.00200E-05
2.66000E-03 1.99000E-05
2.75000E-03 1.98800E-05
3.14000E-03 1.99400E-05
3.68000E-03 1.99000E-05
8.49000E-03 1.96500E-05
1.28700E-02 1.94600E-05
HARNED, BLANDER & HILDRETH. JACS 76, 4219 (1954)

CONCENTRATION DIFFUSION COEFFICIENT
6.25000E-02 1.88700E-05
9.00000E-02 1.87400E-05
1.60000E-01 1.85900E-05
2.50000E-01 1.85500E-05
3.60000E-01 1.85500E-05
6.40000E-01 1.86800E-05
1.00000E+00 1.90200E-05
1.96000E+00 2.02300E-05
3.06000E+00 2.18300E-05
4.00000E+00 2.29100E-05
5.00000E+00 2.36400E-05

5.75000E+00 2.35400E-05
 6.00000E+00 2.33500E-05
 LYONS & RILEY. JACS 76, 5216 (1954)

MOLALITY

GAMMA

1.00000E-01	7.56000E-01
2.00000E-01	6.94000E-01
3.00000E-01	6.56000E-01
4.00000E-01	6.28000E-01
5.00000E-01	6.06000E-01
6.00000E-01	5.89000E-01
7.00000E-01	5.75000E-01
8.00000E-01	5.63000E-01
9.00000E-01	5.53000E-01
1.00000E+00	5.44000E-01
1.20000E+00	5.29000E-01
1.40000E+00	5.18000E-01
1.60000E+00	5.09000E-01
1.80000E+00	5.01000E-01
2.00000E+00	4.96000E-01
2.50000E+00	4.85000E-01
3.00000E+00	4.79000E-01
3.50000E+00	4.75000E-01
4.00000E+00	4.74000E-01
4.50000E+00	4.74000E-01
5.00000E+00	4.75000E-01
5.50000E+00	4.77000E-01
6.00000E+00	4.80000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	4.86000E-01
8.00000E+00	4.96000E-01
9.00000E+00	5.03000E-01
1.00000E+01	5.08000E-01
1.10000E+01	5.12000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

CESIUM IODIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	259.810	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

1.00000E-04	9.97101E-01
2.00000E-04	9.97119E-01
5.00000E-04	9.97183E-01
1.00000E-03	9.97288E-01
2.00000E-03	9.97474E-01
5.00000E-03	9.98101E-01
1.00000E-02	9.99100E-01

2.00000E-02	1.00112E+00
5.00000E-02	1.00718E+00
1.00000E-01	1.01726E+00
2.00000E-01	1.03739E+00

JONES & RAY. JACS 63, 288 (1941)

CESIUM NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	194.910	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

	DENSITY
-0.	9.97074E-01
1.00000E-04	9.97088E-01
2.00000E-04	9.97101E-01
5.00000E-04	9.97138E-01
1.00000E-03	9.97212E-01
2.00000E-03	9.97361E-01
5.00000E-03	9.97791E-01
1.00000E-02	9.98509E-01
2.00000E-02	9.99944E-01
2.00000E-02	1.00426E+00
1.00010E-01	1.01143E+00

JONES & RAY. JACS 59, 187 (1937)

CONCENTRATION

	DENSITY
5.00000E-04	9.97140E-01
1.00000E-03	9.97205E-01
2.00000E-03	9.97350E-01
5.00000E-03	9.97788E-01
1.00000E-02	9.98517E-01
2.00000E-02	9.99953E-01

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION

	RELATIVE VISCOSITY
5.00000E-04	1.00003E+00
1.00000E-03	1.00003E+00
2.00000E-03	1.00000E+00
5.00000E-03	9.99860E-01
1.00000E-02	9.99520E-01
2.00000E-02	9.98760E-01

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION

	DIFFUSION COEFFICIENT
7.70000E-03	1.90700E-05
1.37800E-02	1.88600E-05
1.41200E-02	1.87100E-05

HARNED & SHROPSHIRE. JACS 80, 2967 (1958)

CESIUM SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	361.870	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.56900E-05
9.60000E-04	1.49000E-05
1.02000E-03	1.48400E-05
1.12000E-03	1.48900E-05
1.20000E-03	1.48200E-05
1.50000E-03	1.47000E-05
2.48000E-03	1.44200E-05
2.51000E-03	1.44100E-05
3.78000E-03	1.43500E-05
4.68000E-03	1.41900E-05
4.72000E-03	1.42400E-05

HARNED & BLAKE. JACS 73, 5882 (1951)

CUPRIC NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	187.550	18.015	3.0	1.0	2.0	2.0	-1.0

CONCENTRATION

DENSITY

2.34500E-02	1.00085E+00
4.79000E-02	1.00457E+00
1.00600E-01	1.01238E+00
1.21600E-01	1.01547E+00
1.76200E-01	1.02396E+00
2.50200E-01	1.03515E+00
5.00300E-01	1.07262E+00
5.81900E-01	1.08478E+00

HAASE, LEHNERT & JANSEN. Z PHYSIK CHEM NF 42, 32 (1964)

CUPRIC SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

-0.	9.97074E-01
1.00000E-01	1.01323E+00
2.00000E-01	1.02914E+00
4.00000E-01	1.06039E+00
6.00000E-01	1.09099E+00
8.00000E-01	1.12102E+00
1.00000E+00	1.15059E+00
1.19640E+00	1.17908E+00
1.41820E+00	1.21071E+00

PEARCE & PUMPLIN. JACS 59, 1221 (1937)

NORMALITY

	DENSITY
5.68000E-01	1.04070E+00
1.13600E+00	1.08480E+00
1.70400E+00	1.12810E+00
2.27200E+00	1.17080E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

CONCENTRATION

	RELATIVE DENSITY
3.41000E-04	1.00006E+00
6.79000E-04	1.00012E+00
6.96000E-04	1.00013E+00
1.01400E-03	1.00018E+00
1.42400E-03	1.00025E+00
2.02000E-03	1.00035E+00
2.67800E-03	1.00046E+00
3.17300E-03	1.00055E+00
3.66300E-03	1.00063E+00
4.38700E-03	1.00075E+00
5.09700E-03	1.00087E+00
5.79200E-03	1.00099E+00
6.69200E-03	1.00114E+00
7.99000E-03	1.00136E+00
9.23800E-03	1.00156E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

CONCENTRATION

	RELATIVE DENSITY
3.41000E-04	1.00006E+00
6.79000E-04	1.00011E+00
6.96000E-04	1.00011E+00
1.01400E-03	1.00017E+00
1.42400E-03	1.00023E+00
2.02000E-03	1.00033E+00
2.67800E-03	1.00044E+00
3.17300E-03	1.00052E+00
3.66300E-03	1.00060E+00
4.38700E-03	1.00072E+00
5.09700E-03	1.00084E+00
5.79200E-03	1.00095E+00
6.69200E-03	1.00110E+00
7.99000E-03	1.00131E+00
9.23800E-03	1.00152E+00

ASMUS. Z PHYSIK 108, 491 (1938)

MASS FRACTION

DENSITY

3.19700E-02	1.03016E+00
6.39400E-02	1.06455E+00
9.59100E-02	1.10063E+00
1.27900E-01	1.13834E+00

HOLLER & PEFFER. JACS 38, 1021 (1916)

CONCENTRATION

RELATIVE VISCOSITY

3.41000E-04	1.00062E+00
6.79000E-04	1.00096E+00
6.96000E-04	1.00100E+00
1.01400E-03	1.00125E+00
1.42400E-03	1.00164E+00
2.02000E-03	1.00217E+00
2.67800E-03	1.00275E+00
3.17300E-03	1.00308E+00
3.66300E-03	1.00334E+00
4.38700E-03	1.00390E+00
5.09700E-03	1.00441E+00
5.79200E-03	1.00491E+00
6.69200E-03	1.00552E+00
7.99000E-03	1.00633E+00
9.23800E-03	1.00725E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

CONCENTRATION

RELATIVE VISCOSITY

3.41000E-04	1.00061E+00
6.79000E-04	1.00094E+00
6.96000E-04	1.00099E+00
1.01400E-03	1.00124E+00
1.42400E-03	1.00163E+00
2.02000E-03	1.00215E+00
2.67800E-03	1.00273E+00
3.17300E-03	1.00306E+00
3.66300E-03	1.00332E+00
4.38700E-03	1.00388E+00
5.09700E-03	1.00438E+00
5.79200E-03	1.00487E+00
6.69200E-03	1.00548E+00
7.99000E-03	1.00629E+00
9.23800E-03	1.00721E+00

ASMUS. Z PHYSIK 108, 491 (1938)

NORMALITY

RELATIVE VISCOSITY

5.68000E-01	1.20000E+00
1.13600E+00	1.44500E+00
1.70400E+00	1.72200E+00
2.27200E+00	2.05100E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

CONCENTRATION

MOLAR CONDUCTANCE

-0.	2.61800E+02
1.00000E-04	2.49000E+02
2.50000E-04	2.40000E+02

5.00000E-04	2.30000E+02
1.00000E-03	2.16600E+02
2.50000E-03	1.91000E+02
5.00000E-03	1.67000E+02
1.00000E-02	1.44500E+02
2.50000E-02	1.17900E+02
5.00000E-02	1.02000E+02
1.00000E-01	8.72000E+01
2.50000E-01	7.05000E+01
3.50000E-01	6.44000E+01
5.00000E-01	5.80000E+01
6.50000E-01	5.35000E+01
1.00000E+00	4.62000E+01

FEDOROFF. ANN DE CHIMIE, SER 11, 16, 154 (1941)

NORMALITY

	CONDUCTIVITY
1.00000E-01	5.05000E-03
2.50000E-01	1.02300E-02
5.00000E-01	1.74400E-02
1.00000E+00	2.94800E-02

HALLSTROM. SOC SCI FENNICA COMM PHYS MATH 1 (20) 1 (1922)

CONCENTRATION

	CONDUCTIVITY
2.00300E-01	1.53000E-02
4.00500E-01	2.21000E-02
6.00800E-01	3.48000E-02
8.01000E-01	4.23000E-02

RICHARDSON & TAYLOR. TRANS AM ELECTROCHEM SOC 20, 179 (1911)

CONCENTRATION

	CONDUCTIVITY
3.95800E-04	9.37500E-05
9.36500E-04	2.03410E-04
1.87400E-03	3.70320E-04
2.68900E-03	5.01360E-04
3.65120E-03	6.45210E-04
4.78900E-03	8.04290E-04
6.45170E-03	1.02163E-03
8.19450E-03	1.23519E-03
1.01478E-02	1.46193E-03
1.26639E-02	1.73870E-03
1.50319E-02	1.98787E-03
3.97000E-04	9.40300E-05
8.57200E-04	1.88130E-04
1.39950E-03	2.88580E-04
1.99660E-03	3.90710E-04
3.02810E-03	5.53230E-04
4.12820E-03	7.13140E-04
5.50980E-03	9.00420E-04
7.10030E-03	1.10255E-03
9.58160E-03	1.39739E-03
1.17779E-02	1.64307E-03
4.94500E-04	1.14960E-04
2.04700E-03	3.99180E-04
5.03490E-03	8.37670E-04
8.84740E-03	1.31259E-03
1.30020E-02	1.77552E-03

1.78080E-02	2.26833E-03
2.41750E-02	2.87538E-03
3.16500E-02	3.54280E-03
3.98700E-02	4.23690E-03
4.71510E-02	4.82580E-03
5.56800E-02	5.49120E-03
6.65730E-02	6.31000E-03
7.74140E-02	7.09730E-03
9.73930E-02	8.49050E-03
1.15265E-01	9.68450E-03

OWEN & GURRY. JACS 60, 3074 (1938)

CONCENTRATION

CONDUCTIVITY

1.57400E-01	1.23110E-02
3.14800E-01	2.10790E-02
4.72100E-01	2.84300E-02
6.29500E-01	3.49600E-02
7.86900E-01	4.07000E-02
9.44300E-01	4.54100E-02
1.10200E+00	4.94800E-02
1.25900E+00	5.29100E-02
1.41600E+00	5.56500E-02

SKOWRONSKI & REINSD. TRANS AM ELECTROCHEM SOC 52, 205 (1927)

CONCENTRATION

CONDUCTIVITY

2.00300E-01	1.48000E-02
4.00500E-01	2.52000E-02
5.48700E-01	3.30000E-02
6.00800E-01	3.33000E-02
8.01000E-01	4.02000E-02

KERN & CHANG. TRANS AM ELECTROCHEM SOC 41, 181 (1922)

CONCENTRATION

TRANSFERENCE NUMBER

-0.	4.03000E-01
1.24900E-01	3.54800E-01
1.55700E-01	3.47200E-01
2.80100E-01	3.23700E-01
4.23000E-01	3.05500E-01
5.13100E-01	3.04000E-01

FRITZ & FUGET. J PHYS CHEM 62, 303 (1958)

CONCENTRATION

DIFFUSION COEFFICIENT

3.50000E-01	4.95000E-06
4.00000E-01	4.86000E-06
6.00000E-01	4.45000E-06
8.00000E-01	4.24000E-06
1.00000E+00	4.07000E-06
1.20000E+00	3.95000E-06
1.40400E+00	3.83000E-06

EMANUEL & OLANDER. J CHEM ENGG DATA 8, 31 (1963)

CONCENTRATION

DIFFUSION COEFFICIENT

2.80000E-03	7.47400E-06
4.20000E-03	7.31400E-06
5.60000E-03	7.15400E-06
7.00000E-03	7.04900E-06
8.40000E-03	6.92200E-06
9.80000E-03	6.80500E-06
1.12000E-02	6.72600E-06
1.26000E-02	6.64600E-06
1.40000E-02	6.57900E-06
1.54000E-02	6.49700E-06
1.96000E-02	6.37500E-06
2.58000E-02	6.27000E-06
2.80000E-02	6.20800E-06
3.08000E-02	6.15900E-06
3.36000E-02	6.11300E-06
3.64000E-02	6.07900E-06
4.20000E-02	6.01200E-06
7.00000E-02	5.78600E-06
9.80000E-02	5.64400E-06
1.40000E-01	5.49300E-06
1.68000E-01	5.41800E-06
2.10000E-01	5.34900E-06
2.52000E-01	5.31200E-06
2.80000E-01	5.23800E-06
3.50000E-01	5.23100E-06

EVERSOLE, KINDSVATER & PETERSON. J PHYS CHEM 46, 370 (1942)

MOLALITY

GAMMA

1.00000E-01	1.50000E-01
2.00000E-01	1.04000E-01
3.00000E-01	8.29000E-02
4.00000E-01	7.04000E-02
5.00000E-01	6.20000E-02
6.00000E-01	5.59000E-02
7.00000E-01	5.12000E-02
8.00000E-01	4.75000E-02
9.00000E-01	4.46000E-02
1.00000E+00	4.23000E-02
1.20000E+00	3.88000E-02
1.40000E+00	3.65000E-02

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

LOG(GAMMA)

2.02400E-02	-5.20000E-01
2.73500E-02	-5.77000E-01
3.16200E-02	-6.01000E-01
5.00000E-02	-6.84000E-01
8.83000E-02	-8.06000E-01
9.93000E-02	-8.31000E-01
1.71900E-01	-9.70000E-01
3.16200E-01	-1.10400E+00
3.51800E-01	-1.13200E+00
5.00000E-01	-1.21000E+00
9.99000E-01	-1.37900E+00

WETMORE & GORDON. J CHEM PHYS 5, 60 (1937)

MOLALITY

GAMMA

5.00000E-02	2.16000E-01
1.00000E-01	1.53000E-01
2.00000E-01	1.07000E-01
5.00000E-01	6.44000E-02
1.38000E+00	3.78000E-02

NIELSEN & BROWN. JACS 49, 2423 (1927)

MOLALITY

GAMMA

5.00000E-03	5.73000E-01
1.00000E-02	4.38000E-01
2.00000E-02	3.17000E-01
5.00000E-02	2.17000E-01
1.00000E-01	1.54000E-01
2.00000E-01	1.05000E-01
5.00000E-01	6.50000E-02
1.00000E+00	4.50000E-02

GETMAN. J PHYS CHEM 34, 1454 (1930)

MOLALITY

GAMMA

1.00000E-01	1.64000E-01
2.00000E-01	1.14000E-01
3.00000E-01	9.12000E-02
4.00000E-01	7.74000E-02
5.00000E-01	6.82000E-02
7.00000E-01	5.63000E-02
1.00000E+00	4.65000E-02
1.38000E+00	4.03000E-02

ROBINSON & JONES. JACS 58, 959 (1936)

MOLALITY

GAMMA

5.00000E-03	5.47000E-01
1.00000E-02	4.18000E-01
2.00000E-02	3.05000E-01
5.00000E-02	2.03000E-01
1.00000E-01	1.44000E-01
2.00000E-01	1.00000E-01
5.00000E-01	6.00000E-02
1.00000E+00	4.10000E-02

GETMAN. J PHYS CHEM 34, 1454 (1930)

CUPRIC SULFATE IN WATER AT 30 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

9.92000E-02	1.01100E+00
1.96500E-01	1.02700E+00

2.92100E-01	1.04200E+00
3.86200E-01	1.05700E+00
4.78500E-01	1.07100E+00
5.69300E-01	1.08500E+00
6.58600E-01	1.09800E+00
7.46300E-01	1.11000E+00
8.32600E-01	1.12400E+00
9.17500E-01	1.13600E+00
1.00100E+00	1.14900E+00
1.08300E+00	1.16100E+00
1.16400E+00	1.17200E+00
1.24400E+00	1.18400E+00
1.32100E+00	1.19500E+00
1.39800E+00	1.20500E+00
1.51000E+00	1.22300E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

DENSITY

1.10400E+00	1.16440E+00
4.07100E-01	1.05990E+00
1.76400E-01	1.02360E+00
1.07600E-01	1.01300E+00
5.59000E-02	1.00400E+00
6.70000E-03	9.96600E-01

TOURKY & EL WAKKAD. J CHEM SOC 1948, 740

MOLALITY

VISCOSITY

9.92000E-02	8.34300E-01
1.96500E-01	8.56900E-01
2.92100E-01	9.05700E-01
3.86200E-01	9.46600E-01
4.78500E-01	9.97700E-01
5.69300E-01	1.03100E+00
6.58600E-01	1.06200E+00
7.46300E-01	1.12300E+00
8.32600E-01	1.19000E+00
9.17500E-01	1.23200E+00
1.00100E+00	1.28200E+00
1.08300E+00	1.34200E+00
1.16400E+00	1.39200E+00
1.24400E+00	1.46300E+00
1.32100E+00	1.52800E+00
1.39800E+00	1.60800E+00
1.51000E+00	1.73200E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02	1.04200E+00
1.96500E-01	1.07000E+00
2.92100E-01	1.13100E+00
3.86200E-01	1.18200E+00
4.78500E-01	1.24600E+00
5.69300E-01	1.28800E+00
6.58600E-01	1.32600E+00
7.46300E-01	1.40300E+00
8.32600E-01	1.48500E+00

9.17500E-01	1.53900E+00
1.00100E+00	1.60200E+00
1.08300E+00	1.67500E+00
1.16400E+00	1.73800E+00
1.24400E+00	1.82700E+00
1.32100E+00	1.90800E+00
1.39800E+00	2.00900E+00
1.51000E+00	2.16200E+00

SURYANARAYANA \$ ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	9.66100E-03
1.96500E-01	1.63800E-02
2.92100E-01	2.17900E-02
3.86200E-01	2.67300E-02
4.78500E-01	3.04200E-02
5.69300E-01	3.41300E-02
6.58600E-01	3.84200E-02
7.46300E-01	4.07500E-02
8.32600E-01	4.48200E-02
9.17500E-01	4.71900E-02
1.00100E+00	5.00300E-02
1.08300E+00	5.25300E-02
1.16400E+00	5.50200E-02
1.24400E+00	5.65000E-02
1.32100E+00	5.82500E-02
1.39800E+00	5.97700E-02

SURYANARAYANA \$ ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

CUPRIC SULFATE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

9.92000E-02	1.00900E+00
1.96500E-01	1.02500E+00
2.92100E-01	1.04000E+00
3.86200E-01	1.05400E+00
4.78500E-01	1.06800E+00
5.69300E-01	1.08200E+00
6.58600E-01	1.09500E+00
7.46300E-01	1.10900E+00
8.32600E-01	1.12100E+00
9.17500E-01	1.13300E+00
1.00100E+00	1.14600E+00
1.08300E+00	1.15800E+00
1.16400E+00	1.17000E+00
1.24400E+00	1.18100E+00
1.32100E+00	1.19200E+00
1.39800E+00	1.20300E+00
1.65000E+00	1.24900E+00

SURYANARAYANA \$ ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

VISCOSITY

9.92000E-02	7.56300E-01
1.96500E-01	7.78900E-01
2.92100E-01	8.11900E-01
3.86200E-01	8.46800E-01
4.78500E-01	8.84900E-01
5.69300E-01	9.19600E-01
6.58600E-01	9.52100E-01
7.46300E-01	9.99300E-01
8.32600E-01	1.04200E+00
9.17500E-01	1.08500E+00
1.00100E+00	1.12300E+00
1.08300E+00	1.16900E+00
1.16400E+00	1.29900E+00
1.24400E+00	1.27200E+00
1.32100E+00	1.32200E+00
1.39800E+00	1.38200E+00
1.65000E+00	1.60200E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02	1.04700E+00
1.96500E-01	1.07800E+00
2.92100E-01	1.12400E+00
3.86200E-01	1.17200E+00
4.78500E-01	1.22500E+00
5.69300E-01	1.27300E+00
6.58600E-01	1.31800E+00
7.46300E-01	1.38500E+00
8.32600E-01	1.44200E+00
9.17500E-01	1.50200E+00
1.00100E+00	1.55500E+00
1.08300E+00	1.61900E+00
1.16400E+00	1.68700E+00
1.24400E+00	1.76000E+00
1.32100E+00	1.83000E+00
1.39800E+00	1.91400E+00
1.65000E+00	2.21700E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	1.04100E-02
1.96500E-01	1.73800E-02
2.92100E-01	2.34300E-02
3.86200E-01	2.87400E-02
4.78500E-01	3.32100E-02
5.69300E-01	3.77800E-02
6.58600E-01	4.15100E-02
7.46300E-01	4.48200E-02
8.32600E-01	4.87200E-02
9.17500E-01	5.17200E-02
1.00100E+00	5.50800E-02
1.08300E+00	5.82100E-02
1.16400E+00	6.00900E-02
1.24400E+00	6.16900E-02

1.32100E+00 6.34100E-02
 1.39800E+00 6.52800E-02
 SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

CUPRIC SULFATE IN WATER AT 40 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 40.000 159.600 18.015 2.0 1.0 1.0 2.0 -2.0

MOLALITY

DENSITY

9.92000E-02	1.00700E+00
1.96500E-01	1.02300E+00
2.92100E-01	1.03800E+00
3.86200E-01	1.05200E+00
4.78500E-01	1.06600E+00
5.69300E-01	1.08000E+00
6.58600E-01	1.09300E+00
7.46300E-01	1.10600E+00
8.32600E-01	1.11900E+00
9.17500E-01	1.13100E+00
1.00100E+00	1.14300E+00
1.08300E+00	1.15500E+00
1.16400E+00	1.16700E+00
1.24400E+00	1.17900E+00
1.32100E+00	1.19000E+00
1.39800E+00	1.20000E+00
1.80000E+00	1.25100E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

VISCOSITY

9.92000E-02	6.86800E-01
1.96500E-01	7.11200E-01
2.92100E-01	7.33800E-01
3.86200E-01	7.63000E-01
4.78500E-01	7.91600E-01
5.69300E-01	8.25800E-01
6.58600E-01	8.55900E-01
7.46300E-01	8.93300E-01
8.32600E-01	9.22800E-01
9.17500E-01	9.62500E-01
1.00100E+00	9.97000E-01
1.08300E+00	1.03600E+00
1.16400E+00	1.07600E+00
1.24400E+00	1.12000E+00
1.32100E+00	1.16100E+00
1.39800E+00	1.21300E+00
1.80000E+00	1.48700E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02 1.04700E+00

1.96500E-01	1.08400E+00
2.92100E-01	1.11900E+00
3.86200E-01	1.16300E+00
4.78500E-01	1.20700E+00
5.69300E-01	1.25900E+00
6.58600E-01	1.30500E+00
7.46300E-01	1.36200E+00
8.32600E-01	1.41700E+00
9.17500E-01	1.46700E+00
1.00100E+00	1.52000E+00
1.08300E+00	1.58000E+00
1.16400E+00	1.64000E+00
1.24400E+00	1.70800E+00
1.32100E+00	1.77100E+00
1.39800E+00	1.85000E+00
1.80000E+00	2.26600E+00

SURYANARAYANA § ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	1.14300E-02
1.96500E-01	1.86700E-02
2.92100E-01	2.50400E-02
3.86200E-01	3.06300E-02
4.78500E-01	3.57600E-02
5.69300E-01	4.06200E-02
6.58600E-01	4.48200E-02
7.46300E-01	4.87200E-02
8.32600E-01	5.25300E-02
9.17500E-01	5.65000E-02
1.00100E+00	5.94200E-02
1.08300E+00	6.16900E-02
1.16400E+00	6.44100E-02
1.24400E+00	6.69100E-02
1.32100E+00	6.90100E-02
1.39800E+00	7.07800E-02

SURYANARAYANA § ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

CUPRIC SULFATE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

9.92000E-02	1.00500E+00
1.96500E-01	1.02100E+00
2.92100E-01	1.03500E+00
3.86200E-01	1.05000E+00
4.78500E-01	1.06400E+00
5.69300E-01	1.07700E+00
6.58600E-01	1.09100E+00
7.46300E-01	1.10400E+00
8.32600E-01	1.11600E+00
9.17500E-01	1.12900E+00

1.00100E+00	1.14100E+00
1.08300E+00	1.15300E+00
1.16400E+00	1.16500E+00
1.24400E+00	1.17600E+00
1.32100E+00	1.18800E+00
1.39800E+00	1.19800E+00
1.95000E+00	1.26800E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

VISCOSITY

9.92000E-02	6.22000E-01
1.96500E-01	6.46800E-01
2.92100E-01	6.64600E-01
3.86200E-01	6.90000E-01
4.78500E-01	7.15700E-01
5.69300E-01	7.43700E-01
6.58600E-01	7.72000E-01
7.46300E-01	8.01900E-01
8.32600E-01	8.32000E-01
9.17500E-01	8.59800E-01
1.00100E+00	8.32300E-01
1.08300E+00	9.23400E-01
1.16400E+00	9.53500E-01
1.24400E+00	9.91700E-01
1.32100E+00	1.02800E+00
1.39800E+00	1.06900E+00
1.95000E+00	1.34500E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02	1.03900E+00
1.96500E-01	1.08000E+00
2.92100E-01	1.11000E+00
3.86200E-01	1.15200E+00
4.78500E-01	1.19500E+00
5.69300E-01	1.24200E+00
6.58600E-01	1.28900E+00
7.46300E-01	1.33900E+00
8.32600E-01	1.38900E+00
9.17500E-01	1.43600E+00
1.00100E+00	1.49000E+00
1.08300E+00	1.54200E+00
1.16400E+00	1.59200E+00
1.24400E+00	1.65600E+00
1.32100E+00	1.71700E+00
1.39800E+00	1.78600E+00
1.95000E+00	2.24600E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	1.19100E-02
1.96500E-01	1.97700E-02
2.92100E-01	2.66800E-02
3.86200E-01	3.24800E-02
4.78500E-01	3.82000E-02
5.69300E-01	4.33800E-02

6.58600E-01	4.80300E-02
7.46300E-01	5.17200E-02
8.32600E-01	5.65000E-02
9.17500E-01	6.03200E-02
1.00100E+00	6.33900E-02
1.08300E+00	6.65800E-02
1.16400E+00	6.94700E-02
1.24400E+00	7.26900E-02
1.32100E+00	7.45800E-02
1.39800E+00	7.59800E-02

SURYANARAYANA \$ ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

CUPRIC SULFATE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

9.92000E-02	1.00300E+00
1.96500E-01	1.01900E+00
2.92100E-01	1.03300E+00
3.86200E-01	1.04700E+00
4.78500E-01	1.06100E+00
5.69300E-01	1.07500E+00
6.58600E-01	1.08800E+00
7.46300E-01	1.10100E+00
8.32600E-01	1.11400E+00
9.17500E-01	1.12700E+00
1.00100E+00	1.13900E+00
1.08300E+00	1.15000E+00
1.16400E+00	1.16200E+00
1.24400E+00	1.17300E+00
1.32100E+00	1.18500E+00
1.39800E+00	1.19500E+00
2.12000E+00	1.28500E+00

SURYANARAYANA \$ ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

VISCOSITY

9.92000E-02	5.72400E-01
1.96500E-01	5.94400E-01
2.92100E-01	6.11300E-01
3.86200E-01	6.31300E-01
4.78500E-01	6.54300E-01
5.69300E-01	6.80600E-01
6.58600E-01	7.04400E-01
7.46300E-01	7.30800E-01
8.32600E-01	7.59300E-01
9.17500E-01	7.78900E-01
1.00100E+00	8.06700E-01
1.08300E+00	8.34500E-01
1.16400E+00	8.59800E-01
1.24400E+00	8.82000E-01
1.32100E+00	9.28500E-01

1.39800E+00 9.62900E-01
 2.12000E+00 1.26200E+00
 ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02	1.04200E+00
1.96500E-01	1.08200E+00
2.92100E-01	1.11300E+00
3.86200E-01	1.14900E+00
4.78500E-01	1.19100E+00
5.69300E-01	1.23900E+00
6.58600E-01	1.28200E+00
7.46300E-01	1.33000E+00
8.32600E-01	1.38200E+00
9.17500E-01	1.41800E+00
1.00100E+00	1.46800E+00
1.08300E+00	1.51900E+00
1.16400E+00	1.56500E+00
1.24400E+00	1.62800E+00
1.32100E+00	1.69000E+00
1.39800E+00	1.75300E+00
2.12000E+00	2.29600E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	1.25400E-02
1.96500E-01	2.09400E-02
2.92100E-01	2.80200E-02
3.86200E-01	3.44800E-02
4.78500E-01	4.05100E-02
5.69300E-01	4.60500E-02
6.58600E-01	5.09300E-02
7.46300E-01	5.55600E-02
8.32600E-01	6.00300E-02
9.17500E-01	6.34300E-02
1.00100E+00	6.73300E-02
1.08300E+00	7.19100E-02
1.16400E+00	7.40100E-02
1.24400E+00	7.64000E-02
1.32100E+00	7.85400E-02
1.39800E+00	8.00400E-02

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

CUPRIC SULFATE IN WATER AT 55 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
55.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

9.92000E-02	1.00100E+00
1.96500E-01	1.01600E+00

2.92100E-01	1.03000E+00
3.86200E-01	1.04500E+00
4.78500E-01	1.05900E+00
5.69300E-01	1.07300E+00
6.58600E-01	1.08600E+00
7.46300E-01	1.09800E+00
8.32600E-01	1.11100E+00
9.17500E-01	1.12400E+00
1.00100E+00	1.13600E+00
1.08300E+00	1.14800E+00
1.16400E+00	1.16000E+00
1.24400E+00	1.17000E+00
1.32100E+00	1.18200E+00
1.39800E+00	1.19200E+00
2.30000E+00	1.30200E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

VISCOSITY

9.92000E-02	5.26000E-01
1.96500E-01	5.45000E-01
2.92100E-01	5.61000E-01
3.86200E-01	5.77300E-01
4.78500E-01	5.97500E-01
5.69300E-01	6.19300E-01
6.58600E-01	6.41200E-01
7.46300E-01	6.63900E-01
8.32600E-01	6.86100E-01
9.17500E-01	7.08100E-01
1.00100E+00	7.27600E-01
1.08300E+00	7.52600E-01
1.16400E+00	7.74900E-01
1.24400E+00	8.01300E-01
1.32100E+00	8.31000E-01
1.39800E+00	8.61800E-01
2.30000E+00	1.19500E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02	1.03900E+00
1.96500E-01	1.07600E+00
2.92100E-01	1.10800E+00
3.86200E-01	1.14000E+00
4.78500E-01	1.18000E+00
5.69300E-01	1.22300E+00
6.58600E-01	1.26600E+00
7.46300E-01	1.31100E+00
8.32600E-01	1.35500E+00
9.17500E-01	1.39800E+00
1.00100E+00	1.43700E+00
1.08300E+00	1.48600E+00
1.16400E+00	1.53000E+00
1.24400E+00	1.58200E+00
1.32100E+00	1.64100E+00
1.39800E+00	1.70200E+00
2.30000E+00	2.36000E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	1.31100E-02
1.96500E-01	2.17200E-02
2.92100E-01	2.93600E-02
3.86200E-01	3.63400E-02
4.78500E-01	4.24100E-02
5.69300E-01	4.83800E-02
6.58600E-01	5.37900E-02
7.46300E-01	5.89800E-02
8.32600E-01	6.28400E-02
9.17500E-01	6.72300E-02
1.00100E+00	7.14500E-02
1.08300E+00	7.47100E-02
1.16400E+00	7.78200E-02
1.24400E+00	8.08200E-02
1.32100E+00	8.28900E-02
1.39800E+00	8.40500E-02

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

CUPRIC SULFATE IN WATER AT 60 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
60.000	159.600	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

9.92000E-02	9.98800E-01
1.96500E-01	1.01400E+00
2.92100E-01	1.02800E+00
3.86200E-01	1.04200E+00
4.78500E-01	1.05600E+00
5.69300E-01	1.07000E+00
6.58600E-01	1.08300E+00
7.46300E-01	1.09500E+00
8.32600E-01	1.10900E+00
9.17500E-01	1.12100E+00
1.00100E+00	1.13300E+00
1.08300E+00	1.14400E+00
1.16400E+00	1.15700E+00
1.24400E+00	1.16800E+00
1.32100E+00	1.18000E+00
1.39800E+00	1.19000E+00
2.49000E+00	1.31900E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

VISCOSITY

9.92000E-02	4.84600E-01
1.96500E-01	5.04400E-01
2.92100E-01	5.15200E-01
3.86200E-01	5.30200E-01
4.78500E-01	5.48000E-01
5.69300E-01	5.67100E-01
6.58600E-01	5.86200E-01

7.46300E-01	6.06000E-01
8.32600E-01	6.23800E-01
9.17500E-01	6.41200E-01
1.00100E+00	6.61300E-01
1.08300E+00	6.82900E-01
1.16400E+00	7.04100E-01
1.24400E+00	7.27400E-01
1.32100E+00	7.49900E-01
1.39800E+00	7.75400E-01
2.49000E+00	1.22200E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

MOLALITY

RELATIVE VISCOSITY

9.92000E-02	1.03400E+00
1.96500E-01	1.07600E+00
2.92100E-01	1.09900E+00
3.86200E-01	1.13100E+00
4.78500E-01	1.16900E+00
5.69300E-01	1.21000E+00
6.58600E-01	1.25100E+00
7.46300E-01	1.29300E+00
8.32600E-01	1.33100E+00
9.17500E-01	1.36800E+00
1.00100E+00	1.41100E+00
1.08300E+00	1.45700E+00
1.16400E+00	1.50200E+00
1.24400E+00	1.55200E+00
1.32100E+00	1.60000E+00
1.39800E+00	1.65400E+00
2.49000E+00	2.39400E+00

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

MOLALITY

CONDUCTIVITY

9.92000E-02	1.36700E-02
1.96500E-01	2.25600E-02
2.92100E-01	3.06300E-02
3.86200E-01	3.75700E-02
4.78500E-01	4.43800E-02
5.69300E-01	5.03600E-02
6.58600E-01	5.60300E-02
7.46300E-01	6.11200E-02
8.32600E-01	6.56000E-02
9.17500E-01	7.07800E-02
1.00100E+00	7.52100E-02
1.08300E+00	7.81800E-02
1.16400E+00	8.17500E-02
1.24400E+00	8.40500E-02
1.32100E+00	8.73500E-02
1.39800E+00	9.08600E-02

SURYANARAYANA & ALAMELU. BULL CHEM SOC JAPAN 32, 333 (1959)

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	80.920	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

6.50100E-01	1.03350E+00
9.23100E-01	1.04870E+00
1.06300E+00	1.05620E+00
1.20500E+00	1.06410E+00
1.35000E+00	1.07220E+00
1.76000E+00	1.09510E+00
2.10600E+00	1.11420E+00
2.53100E+00	1.13770E+00
2.92100E+00	1.15930E+00
3.36500E+00	1.18390E+00
3.76700E+00	1.20590E+00
4.27000E+00	1.23400E+00
4.75900E+00	1.26100E+00
5.15500E+00	1.28290E+00
5.78200E+00	1.31780E+00
6.22200E+00	1.34200E+00
6.96000E+00	1.38290E+00

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 47, 224 (1965)

CONCENTRATION

CONDUCTIVITY

6.50100E-01	2.38900E-01
9.23100E-01	3.26700E-01
1.06300E+00	3.67100E-01
1.20500E+00	4.08900E-01
1.35000E+00	4.46500E-01
1.76000E+00	5.36600E-01
2.10600E+00	6.02500E-01
2.53100E+00	6.63200E-01
2.92100E+00	7.06300E-01
3.36500E+00	7.54900E-01
3.76700E+00	7.87400E-01
4.27000E+00	8.15000E-01
4.75900E+00	8.28100E-01
5.15500E+00	8.33100E-01
5.78200E+00	8.32900E-01
6.22200E+00	8.25100E-01
6.96000E+00	8.01200E-01

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 47, 224 (1965)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	7.29000E-01
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KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	3.40300E-05
5.00000E-02	3.15600E-05
1.00000E-01	3.14600E-05
2.00000E-01	3.19000E-05
3.00000E-01	3.24900E-05
5.00000E-01	3.38800E-05

7.00000E-01 3.55200E-05
 1.00000E+00 3.86900E-05
 STOKES. JACS 72, 2243 (1950)

MOLALITY

GAMMA

1.00000E-01	8.05000E-01
2.00000E-01	7.82000E-01
3.00000E-01	7.77000E-01
4.00000E-01	7.81000E-01
5.00000E-01	7.89000E-01
6.00000E-01	8.01000E-01
7.00000E-01	8.15000E-01
8.00000E-01	8.32000E-01
9.00000E-01	8.50000E-01
1.00000E+00	8.71000E-01
1.20000E+00	9.17000E-01
1.40000E+00	9.69000E-01
1.60000E+00	1.02900E+00
1.80000E+00	1.09400E+00
2.00000E+00	1.16800E+00
2.50000E+00	1.38900E+00
3.00000E+00	1.67400E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

ACETIC ACID IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	60.050	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.97070E-01
1.73500E+00	1.01100E+00
3.43700E+00	1.02400E+00
5.20600E+00	1.03600E+00
6.75100E+00	1.04400E+00
8.42300E+00	1.05200E+00
1.01060E+01	1.05800E+00
1.18830E+01	1.06300E+00
1.35850E+01	1.06500E+00
1.54150E+01	1.06200E+00
1.73600E+01	1.04400E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

RELATIVE DENSITY

5.16000E-02	1.00044E+00
1.12000E-01	1.00095E+00
1.79900E-01	1.00152E+00
3.25200E-01	1.00273E+00
4.90700E-01	1.00412E+00
6.58800E-01	1.00599E+00
8.30300E-01	1.00691E+00

1.03000E+00 1.00852E+00
DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

5.16000E-02	1.00610E+00
1.12000E-01	1.01330E+00
1.79900E-01	1.02140E+00
3.25200E-01	1.03830E+00
4.90700E-01	1.05810E+00
6.58800E-01	1.07750E+00
8.30300E-01	1.09780E+00
1.03000E+00	1.12130E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

1.73500E+00	1.19700E+00
3.43700E+00	1.40700E+00
5.20600E+00	1.64000E+00
6.75100E+00	1.83300E+00
8.42300E+00	2.03800E+00
1.01060E+01	2.25900E+00
1.18830E+01	2.47300E+00
1.35850E+01	2.63500E+00
1.54150E+01	2.44900E+00
1.73600E+01	1.26800E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

RELATIVE VISCOSITY

4.28300E-02	1.00473E+00
9.71400E-02	1.01074E+00
1.96800E-01	1.02181E+00
2.37400E-01	1.02622E+00
3.31400E-01	1.03661E+00
4.21400E-01	1.04689E+00
7.57200E-01	1.08478E+00
1.51870E+00	1.17246E+00
2.00300E+00	1.22847E+00
3.04460E+00	1.35448E+00
3.66740E+00	1.42993E+00
3.67990E+00	1.43146E+00
4.96040E+00	1.58978E+00

VITAGLIANO & LYONS. JACS 78, 4538 (1956)

CONCENTRATION

MOLAR CONDUCTANCE

1.73500E+00	1.00300E+00
3.43700E+00	5.31000E-01
5.20600E+00	3.09000E-01
6.75100E+00	1.94000E-01
8.42300E+00	1.12000E-01
1.01060E+01	6.08000E-02
1.18830E+01	2.80000E-02
1.35850E+01	1.79000E-03
1.54150E+01	3.55000E-04
1.73600E+01	3.99000E-06

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

DIFFUSION COEFFICIENT

4.28300E-02	1.21200E-05
9.71400E-02	1.20000E-05
1.96800E-01	1.18400E-05
2.37400E-01	1.17700E-05
3.31400E-01	1.16200E-05
4.21400E-01	1.15300E-05
7.57200E-01	1.10850E-05
1.51870E+00	1.02100E-05
2.00300E+00	9.71200E-06
3.04460E+00	8.77000E-06
3.66740E+00	8.21000E-06
3.67990E+00	8.17000E-06
4.96040E+00	7.28500E-06
6.04300E+00	6.77500E-06
8.04810E+00	6.11000E-06
8.91610E+00	5.86500E-06
9.75020E+00	5.78500E-06
1.24050E+01	5.68000E-06
1.73504E+01	1.07500E-05
1.73258E+01	1.02000E-05
1.73047E+01	1.01300E-05
1.72826E+01	9.68600E-06
1.71975E+01	9.47000E-06
1.70938E+01	8.25000E-06
1.68918E+01	7.62000E-06
1.58642E+01	5.56000E-06

VITAGLIANO & LYONS. JACS 78, 4538 (1956)

CONCENTRATION

DIFFUSION COEFFICIENT

9.45000E-04	1.29100E-05
2.13000E-03	1.28400E-05
6.72000E-03	1.25000E-05
7.68000E-03	1.25100E-05
1.63000E-02	1.23900E-05
2.23000E-02	1.21300E-05
3.66000E-02	1.22100E-05
5.55000E-02	1.20700E-05

HOLT & LYONS. J PHYS CHEM 69, 2341 (1965)

CONCENTRATION

$1.0 + \text{DLOG}(Y)/\text{DLOG}(C)$

4.28300E-02	9.97240E-01
9.71400E-02	9.93940E-01
1.96800E-01	9.87980E-01
2.37400E-01	9.85640E-01
3.31400E-01	9.80110E-01
4.21400E-01	9.74870E-01
7.57200E-01	9.55800E-01
1.51870E+00	9.15120E-01
2.00300E+00	8.91970E-01
3.04460E+00	8.50060E-01
3.66740E+00	8.30410E-01
3.67990E+00	8.25950E-01
4.96040E+00	8.05520E-01

HCl
0

6.04300E+00	8.06150E-01
8.04810E+00	8.71390E-01
8.91610E+00	9.26380E-01
9.75020E+00	1.00079E+00
1.24050E+01	1.36240E+00

VITAGLIANO & LYONS. JACS 78, 4538 (1956)

ACETIC ACID IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	60.050	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DIFFUSION COEFFICIENT

1.76900E-01	1.51500E-05
4.20000E-01	1.46400E-05
4.23600E-01	1.46400E-05
6.63600E-01	1.42400E-05
9.81600E-01	1.37700E-05
1.77800E+00	1.27000E-05

VITAGLIANO & LYONS. JACS 78, 4538 (1956)

HYDROCHLORIC ACID IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	36.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

TRANSFERENCE NUMBER

2.15110E-02	8.49300E-01
3.97020E-02	8.50500E-01
5.78790E-02	8.51700E-01
7.99590E-02	8.53100E-01
9.73970E-02	8.53600E-01
9.92800E-02	8.53800E-01

COVINGTON & PRUE. J CHEM SOC 1957, P.1930

CONCENTRATION

TRANSFERENCE NUMBER

-0.	8.44100E-01
1.00000E-02	8.47600E-01
2.00000E-02	8.49000E-01
5.00000E-02	8.51400E-01
1.00000E-01	8.53800E-01

COVINGTON & PRUE. J CHEM SOC 1957, P.1930

MOLALITY

GAMMA

-0.	1.00000E+00
1.00000E-02	9.07900E-01
2.00000E-02	8.79800E-01
5.00000E-02	8.37200E-01
1.00000E-01	8.06800E-01

COVINGTON & PRUE. J CHEM SOC 1957, P.1930

HYDROCHLORIC ACID IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	36.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

5.61400E-01	1.00720E+00
8.39900E-01	1.01220E+00
1.05800E+00	1.01580E+00
1.68900E+00	1.02640E+00
2.46200E+00	1.03910E+00
2.86800E+00	1.04570E+00
3.51100E+00	1.05620E+00
4.09200E+00	1.06560E+00
4.46400E+00	1.07150E+00
4.72000E+00	1.07560E+00
5.33400E+00	1.08520E+00
5.68400E+00	1.09070E+00
6.11300E+00	1.09730E+00
6.67300E+00	1.10590E+00
6.86700E+00	1.10890E+00
7.62900E+00	1.12040E+00
8.03300E+00	1.12640E+00
8.72800E+00	1.13650E+00
9.39100E+00	1.14610E+00
9.79100E+00	1.15150E+00
1.05100E+01	1.16160E+00
1.11600E+01	1.17030E+00
1.16200E+01	1.17660E+00
1.27100E+01	1.19060E+00

HAASE, SAUERMAN & DUECKER. Z PHYSIK CHEM NF 47, 224 (1965)

CONCENTRATION

RELATIVE DENSITY

1.40900E-01	1.00256E+00
2.44600E-01	1.00449E+00
3.66400E-01	1.00668E+00
5.70300E-01	1.01026E+00
8.26000E-01	1.01477E+00
1.13700E+00	1.02027E+00
1.40700E+00	1.02511E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

1.40900E-01	1.00990E+00
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2.44600E-01	1.01660E+00
3.66400E-01	1.02430E+00
5.70300E-01	1.03740E+00
8.26000E-01	1.05300E+00
1.13700E+00	1.07300E+00
1.40700E+00	1.09090E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

MOLALITY

RELATIVE VISCOSITY

0.	1.00000E+00
1.00000E-01	1.00700E+00
2.50000E-01	1.01700E+00
5.00000E-01	1.03200E+00
1.00000E+00	1.06000E+00
2.00000E+00	1.11600E+00
3.00000E+00	1.17500E+00
4.00000E+00	1.23300E+00
5.00000E+00	1.29400E+00
6.00000E+00	1.35500E+00
7.00000E+00	1.41800E+00
8.00000E+00	1.48500E+00
9.00000E+00	1.56000E+00
1.10000E+01	1.71000E+00
1.30000E+01	1.86000E+00
1.60000E+01	2.12000E+00

INTERNATIONAL CRITICAL TABLES (1929)

CONCENTRATION

MOLAR CONDUCTANCE

2.07250E-03	4.19500E+02
3.44300E-03	4.17490E+02
5.06780E-03	4.15830E+02
5.88520E-03	4.14910E+02
9.87310E-03	4.12140E+02
1.48730E-02	4.09330E+02
1.78680E-02	4.08150E+02
2.88680E-02	4.04140E+02
4.25900E-02	4.00800E+02
5.49260E-02	3.98080E+02
6.75180E-02	3.96160E+02
8.63640E-02	3.93140E+02

OWEN & SWEETON. JACS 63, 2811 (1941)

MOLALITY

MOLAR CONDUCTANCE

6.95420E-02	3.95550E+02
6.95420E-02	3.95550E+02
6.96140E-02	3.95600E+02
1.24113E-01	3.88590E+02
4.40343E-01	3.64820E+02
8.12105E-01	3.43440E+02
1.08920E+00	3.28830E+02
1.46460E+00	3.10120E+02
2.02840E+00	2.84200E+02
2.09580E+00	2.81140E+02
2.66950E+00	2.57460E+02
3.23550E+00	2.36220E+02
4.43220E+00	1.97850E+02

4.45450E+00	1.97090E+02
6.89260E+00	1.39780E+02
8.34230E+00	1.15520E+02
1.04334E+01	8.97500E+01
1.23335E+01	7.29800E+01
1.58879E+01	5.27000E+01

DWEN \$ SWEETON. JACS 63, 2811 (1941)

CONCENTRATION

CONDUCTIVITY

5.61400E-01	2.02100E-01
8.39900E-01	2.88000E-01
1.05800E+00	3.50100E-01
1.68900E+00	5.06200E-01
2.46200E+00	6.45200E-01
2.86800E+00	6.98400E-01
3.51100E+00	7.60800E-01
4.09200E+00	8.01900E-01
4.46400E+00	8.21200E-01
4.72000E+00	8.31500E-01
5.33400E+00	8.48000E-01
5.68400E+00	8.49000E-01
6.11300E+00	8.43500E-01
6.67300E+00	8.33700E-01
6.86700E+00	8.27600E-01
7.62900E+00	8.09100E-01
8.03300E+00	7.95000E-01
8.72800E+00	7.65800E-01
9.39100E+00	7.37200E-01
9.79100E+00	7.18900E-01
1.05100E+01	6.87600E-01
1.11600E+01	6.58700E-01
1.16200E+01	6.38300E-01
1.27100E+01	5.91100E-01

HAASE, SAUERMAN \$ DUECKER. Z PHYSIK CHEM NF 47, 224 (1965)

CONCENTRATION

MOLAR CONDUCTANCE

0.	4.26200E+02
2.50000E-01	3.77400E+02
1.00000E+00	3.32300E+02
2.25000E+00	2.70000E+02
4.00000E+00	2.00100E+02
6.25000E+00	1.34700E+02
9.00000E+00	8.35000E+01

DWEN \$ SWEETON. JACS 63, 2811 (1941)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	4.26040E+02
2.84080E-05	4.25010E+02
8.11810E-05	4.24750E+02
1.77430E-04	4.23820E+02
3.18630E-04	4.23430E+02
3.42270E-04	4.23220E+02
5.91460E-04	4.22420E+02
7.54040E-04	4.21660E+02
1.57680E-03	4.19880E+02
1.87660E-03	4.19640E+02

2.56140E-03 4.18320E+02
2.99430E-03 4.17980E+02
SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION

MOLAR CONDUCTANCE

0. 4.26040E+02
1.00000E-04 4.24530E+02
2.00000E-04 4.23860E+02
5.00000E-04 4.22620E+02
1.00000E-03 4.21240E+02
2.00000E-03 4.19270E+02
5.00000E-03 4.15680E+02
1.00000E-02 4.11880E+02
2.00000E-02 4.07120E+02
5.00000E-02 3.98970E+02
7.00000E-02 3.95330E+02
1.00000E-01 3.91200E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

MOLALITY

TRANSFERENCE NUMBER

1.08900E+00 8.41000E-01
1.46500E+00 8.42000E-01
2.66900E+00 8.43000E-01
3.23500E+00 8.43000E-01
4.45400E+00 8.35000E-01
6.89300E+00 7.84000E-01
8.34200E+00 7.01000E-01
1.04330E+01 6.58000E-01
1.23330E+01 6.46000E-01
1.47000E+01 6.33000E-01

GIBER, LENGVEL, TAMAS & TAHI. MAGY KEM FOLYOIRAT 66, 170 (1960)

MOLES/1000 G OF SOLUTION

TRANSFERENCE NUMBER

1.01400E-01 8.35000E-01
1.01400E-01 8.42000E-01
1.54200E-01 8.36000E-01
1.98300E-01 8.24000E-01
1.98300E-01 8.31000E-01
1.98800E-01 8.42000E-01
1.98800E-01 8.53000E-01
2.97500E-01 8.43000E-01
3.57900E-01 8.27000E-01
3.57900E-01 8.24000E-01
4.00200E-01 8.31000E-01
4.98100E-01 8.56000E-01
4.98100E-01 8.19000E-01
7.06700E-01 8.51000E-01
7.06700E-01 8.09000E-01
7.35500E-01 8.29000E-01
9.53700E-01 8.36000E-01
1.26170E+00 8.14000E-01
1.26170E+00 8.37000E-01

WEAR, CURTIS & AMIS. J INORG NUCL CHEM 24, 93 (1962)

CONCENTRATION

TRANSFERENCE NUMBER
 1.00000E-01 8.32000E-01
 SMITH & MACINNES. JACS 47, 1009 (1925)

CONCENTRATION TRANSFERENCE NUMBER
 1.00000E-02 8.25200E-01
 2.00000E-02 8.26400E-01
 5.00000E-02 8.29200E-01
 1.00000E-01 8.31400E-01
 LONGSWORTH. JACS 54, 2741 (1932)

MOLALITY TRANSFERENCE NUMBER
 0. 8.21000E-01
 5.00000E-03 8.24000E-01
 1.00000E-02 8.25000E-01
 2.00000E-02 8.27000E-01
 5.00000E-02 8.30000E-01
 1.00000E-01 8.32000E-01
 2.00000E-01 8.35000E-01
 5.00000E-01 8.38000E-01
 1.00000E+00 8.41000E-01
 1.50000E+00 8.42000E-01
 2.00000E+00 8.43000E-01
 3.00000E+00 8.43000E-01
 HARNED & DREBY. JACS 61, 3113 (1939)

CONCENTRATION TRANSFERENCE NUMBER
 1.23100E-02 8.25600E-01
 2.14470E-02 8.26500E-01
 2.18100E-02 8.26600E-01
 4.88600E-02 8.28900E-01
 9.71040E-02 8.31400E-01
 9.89900E-02 8.31200E-01
 COVINGTON & PRUE. J CHEM SOC 1957, P. 1567

CONCENTRATION TRANSFERENCE NUMBER
 -0. 8.21000E-01
 2.00000E-02 8.26500E-01
 4.00000E-02 8.28400E-01
 6.00000E-02 8.29600E-01
 8.00000E-02 8.30600E-01
 1.00000E-01 8.31400E-01
 COVINGTON & PRUE. J CHEM SOC 1957, P. 1567

CONCENTRATION DIFFUSION COEFFICIENT
 2.00000E-02 2.98000E-05
 5.00000E-02 2.94000E-05
 1.00000E-01 2.93000E-05
 2.00000E-01 2.99000E-05
 3.50000E-01 3.07000E-05
 5.00000E-01 3.19000E-05
 7.50000E-01 3.38000E-05

1.00000E+00 3.59000E-05
JAMES & GORDON. J CHEM PHYS 7, 963 (1939)

CONCENTRATION

DIFFUSION COEFFICIENT

6.30000E-03	3.21700E-05
1.13000E-02	3.17300E-05
1.44000E-02	3.16000E-05
1.54000E-02	3.14700E-05
1.88000E-02	3.13300E-05
1.99000E-02	3.14900E-05
2.16000E-02	3.13600E-05
2.47000E-02	3.12900E-05
2.86000E-02	3.12200E-05
3.40000E-02	3.11000E-05

HARPST, HOLT & LYONS. J PHYS CHEM 69, 2333 (1965)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	3.33900E-05
5.00000E-02	3.07300E-05
1.00000E-01	3.05000E-05
2.00000E-01	3.06400E-05
3.00000E-01	3.09300E-05
5.00000E-01	3.18400E-05
7.00000E-01	3.28600E-05
1.00000E+00	3.43600E-05
1.50000E+00	3.74300E-05
2.00000E+00	4.04600E-05
2.50000E+00	4.33700E-05
3.00000E+00	4.65800E-05
3.50000E+00	4.92000E-05
4.00000E+00	5.17000E-05

STOKES. JACS 72, 2243 (1950)

MOLALITY

LOG(GAMMA)

1.00000E-03	-1.53000E-02
2.00000E-03	-2.11000E-02
5.00000E-03	-3.22000E-02
1.00000E-02	-4.38000E-02
2.00000E-02	-5.85000E-02
5.00000E-02	-8.12000E-02
1.00000E-01	-9.93000E-02
2.00000E-01	-1.15600E-01
3.00000E-01	-1.21300E-01
4.00000E-01	-1.22700E-01
5.00000E-01	-1.21000E-01
6.00000E-01	-1.17100E-01
7.00000E-01	-1.11800E-01
8.00000E-01	-1.05800E-01
9.00000E-01	-9.87000E-02
1.00000E+00	-9.15000E-02
1.20000E+00	-7.43000E-02
1.40000E+00	-5.56000E-02
1.60000E+00	-3.59000E-02
1.80000E+00	-1.53000E-02
2.00000E+00	8.00000E-03
2.50000E+00	6.10000E-02

3.00000E+00	1.20500E-01
3.50000E+00	1.81800E-01
4.00000E+00	2.46000E-01
5.00000E+00	3.75700E-01
6.00000E+00	5.07800E-01
7.00000E+00	6.40300E-01
8.00000E+00	7.70500E-01
9.00000E+00	9.00000E-01
1.00000E+01	1.01890E+00
1.20000E+01	1.23670E+00
1.40000E+01	1.43680E+00
1.60000E+01	1.62760E+00

RANDALL & YOUNG, JACS 50, 989 (1928)

MOLALITY

GAMMA

1.00000E-01	7.96000E-01
2.00000E-01	7.67000E-01
3.00000E-01	7.56000E-01
4.00000E-01	7.55000E-01
5.00000E-01	7.57000E-01
6.00000E-01	7.63000E-01
7.00000E-01	7.72000E-01
8.00000E-01	7.83000E-01
9.00000E-01	7.95000E-01
1.00000E+00	8.09000E-01
1.20000E+00	8.40000E-01
1.40000E+00	8.76000E-01
1.60000E+00	9.16000E-01
1.80000E+00	9.60000E-01
2.00000E+00	1.00900E+00
2.50000E+00	1.14700E+00
3.00000E+00	1.31600E+00
3.50000E+00	1.51800E+00
4.00000E+00	1.76200E+00
4.50000E+00	2.04000E+00
5.00000E+00	2.38000E+00
5.50000E+00	2.77000E+00
6.00000E+00	3.22000E+00

ROBINSON & STOKES, ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	4.37000E+00
8.00000E+00	5.90000E+00
9.00000E+00	7.94000E+00
1.00000E+01	1.04400E+01
1.10000E+01	1.35100E+01
1.20000E+01	1.72500E+01
1.30000E+01	2.18000E+01
1.40000E+01	2.73000E+01
1.50000E+01	3.41000E+01
1.60000E+01	4.24000E+01

ROBINSON & STOKES, ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

PERCHLORIC ACID IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	100.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.99870E-01
1.11900E-03	9.99800E-01
1.53900E-03	9.99900E-01
1.95000E-03	9.99900E-01
3.04800E-03	1.00000E+00
5.14700E-03	1.00010E+00
8.79800E-03	1.00030E+00
1.17100E-02	1.00050E+00
1.57100E-02	1.00070E+00
1.95300E-02	1.00100E+00
3.99000E-02	1.00220E+00
5.96700E-02	1.00340E+00
8.00700E-02	1.00470E+00
1.22100E-01	1.00720E+00
1.69000E-01	1.01030E+00
2.32100E-01	1.01420E+00
3.18900E-01	1.01920E+00
6.49900E-01	1.03940E+00
1.01600E+00	1.06130E+00
1.33000E+00	1.08010E+00
1.68500E+00	1.10110E+00
2.10000E+00	1.12580E+00
2.50500E+00	1.14970E+00
2.92600E+00	1.17480E+00
3.38100E+00	1.20190E+00
3.78400E+00	1.22610E+00
4.12300E+00	1.24580E+00
4.56900E+00	1.27220E+00
5.06000E+00	1.30180E+00
5.61300E+00	1.33480E+00
6.07100E+00	1.36250E+00
6.62600E+00	1.39620E+00
7.23800E+00	1.43340E+00
8.02300E+00	1.48100E+00
8.47700E+00	1.50830E+00
9.28200E+00	1.55600E+00
9.94500E+00	1.59470E+00
1.06500E+01	1.63390E+00
1.13800E+01	1.67330E+00
1.18400E+01	1.69700E+00

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	2.61600E+02
1.11900E-03	2.58800E+02
1.53900E-03	2.58300E+02
1.95000E-03	2.58000E+02
3.04800E-03	2.57000E+02
5.14700E-03	2.55900E+02
8.79800E-03	2.54400E+02
1.17100E-02	2.53500E+02
1.57100E-02	2.52500E+02

1.95300E-02	2.51500E+02
3.99000E-02	2.48400E+02
5.96700E-02	2.46500E+02
8.00700E-02	2.44900E+02
1.22100E-01	2.42500E+02
1.69000E-01	2.40200E+02
2.32100E-01	2.37600E+02
3.18900E-01	2.34500E+02
6.49900E-01	2.24800E+02
1.01600E+00	2.14600E+02
1.33000E+00	2.05400E+02
1.68500E+00	1.95000E+02
2.10000E+00	1.82800E+02
2.50500E+00	1.70500E+02
2.92600E+00	1.58400E+02
3.38100E+00	1.45400E+02
3.78400E+00	1.34100E+02
4.12300E+00	1.24900E+02
4.56900E+00	1.13400E+02
5.06000E+00	1.01300E+02
5.61300E+00	8.86000E+01
6.07100E+00	7.86800E+01
6.62600E+00	6.76000E+01
7.23800E+00	5.72400E+01
8.02300E+00	4.57600E+01
8.47700E+00	4.03100E+01
9.28200E+00	3.27100E+01
9.94500E+00	2.78800E+01
1.06500E+01	2.36400E+01
1.13800E+01	1.95000E+01
1.18400E+01	1.75000E+01

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

PERCHLORIC ACID IN WATER AT 10 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
10.000	100.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

	DENSITY
-0.	9.99730E-01
1.11900E-03	9.99800E-01
1.53900E-03	9.99800E-01
1.95000E-03	9.99800E-01
3.04700E-03	9.99900E-01
5.14700E-03	1.00000E+00
1.17100E-02	1.00040E+00
1.57100E-02	1.00060E+00
1.95200E-02	1.00080E+00
3.98900E-02	1.00200E+00
5.96600E-02	1.00320E+00
8.00500E-02	1.00450E+00
1.22100E-01	1.00680E+00
1.68900E-01	1.00980E+00
2.31900E-01	1.01330E+00
3.18700E-01	1.01830E+00

6.48900E-01	1.03780E+00
1.01400E+00	1.05880E+00
1.32600E+00	1.07700E+00
1.67900E+00	1.09730E+00
2.09100E+00	1.12120E+00
2.49200E+00	1.14410E+00
2.91200E+00	1.16920E+00
3.36300E+00	1.19560E+00
3.76400E+00	1.21930E+00
4.09900E+00	1.23860E+00
4.54200E+00	1.26460E+00
5.02800E+00	1.29360E+00
5.57600E+00	1.32600E+00
6.03000E+00	1.35330E+00
6.57900E+00	1.38630E+00
7.18500E+00	1.42290E+00
7.96200E+00	1.46970E+00
8.41000E+00	1.49640E+00
9.20700E+00	1.54350E+00
9.86400E+00	1.58180E+00
1.05600E+01	1.62080E+00
1.12900E+01	1.66020E+00
1.17500E+01	1.68400E+00

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	3.23700E+02
1.11900E-03	3.20000E+02
1.53900E-03	3.19600E+02
1.95000E-03	3.19000E+02
3.04700E-03	3.17800E+02
5.14700E-03	3.16400E+02
1.17100E-02	3.13200E+02
1.57100E-02	3.11800E+02
1.95200E-02	3.10800E+02
3.98900E-02	3.06700E+02
5.96600E-02	3.04100E+02
8.00500E-02	3.02100E+02
1.22100E-01	2.98600E+02
1.68900E-01	2.95500E+02
2.31900E-01	2.92200E+02
3.18700E-01	2.88000E+02
6.48900E-01	2.75200E+02
1.01400E+00	2.61000E+02
1.32600E+00	2.49200E+02
1.67900E+00	2.36000E+02
2.09100E+00	2.20600E+02
2.49200E+00	2.05500E+02
2.91200E+00	1.90400E+02
3.36300E+00	1.74500E+02
3.76400E+00	1.61000E+02
4.09900E+00	1.50000E+02
4.54200E+00	1.36100E+02
5.02800E+00	1.21700E+02
5.57600E+00	1.06700E+02
6.03000E+00	9.51000E+01
6.57900E+00	8.23300E+01
7.18500E+00	6.98200E+01
7.96200E+00	5.62800E+01
8.41000E+00	4.97700E+01

9.20700E+00	4.04500E+01
9.86400E+00	3.44000E+01
1.05600E+01	2.89600E+01
1.12900E+01	2.40000E+01
1.17500E+01	2.13000E+01

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

PERCHLORIC ACID IN WATER AT 18 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
18.000	100.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.98620E-01
1.11800E-03	9.98700E-01
1.53700E-03	9.98800E-01
3.04400E-03	9.98800E-01
5.14100E-03	9.98900E-01
7.01700E-03	9.99000E-01
8.78700E-03	9.99100E-01
1.17000E-02	9.99300E-01
1.57000E-02	9.99600E-01
1.95000E-02	9.99800E-01
3.98500E-02	1.00100E+00
5.96000E-02	1.00210E+00
7.99500E-02	1.00330E+00
1.22000E-01	1.00570E+00
1.68700E-01	1.00850E+00
2.31600E-01	1.01210E+00
3.18200E-01	1.01670E+00
6.47600E-01	1.03560E+00
1.01100E+00	1.05620E+00
1.32300E+00	1.07390E+00
1.67400E+00	1.09400E+00
2.08400E+00	1.11730E+00
2.48300E+00	1.13960E+00
2.90000E+00	1.16420E+00
3.34700E+00	1.18990E+00
3.74600E+00	1.21370E+00
4.07900E+00	1.23260E+00
4.51900E+00	1.25830E+00
5.00200E+00	1.28690E+00
5.54600E+00	1.31900E+00
5.99700E+00	1.34580E+00
6.54100E+00	1.37830E+00
7.14200E+00	1.41440E+00
7.91300E+00	1.46070E+00
8.35800E+00	1.48710E+00
9.14800E+00	1.53360E+00
9.80200E+00	1.57180E+00
1.04900E+01	1.61060E+00
1.12300E+01	1.65000E+00
1.16700E+01	1.67360E+00

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	3.73600E+02
1.11800E-03	3.69200E+02
1.53700E-03	3.68600E+02
3.04400E-03	3.66600E+02
5.14100E-03	3.64800E+02
7.01700E-03	3.63500E+02
8.78700E-03	3.62500E+02
1.17000E-02	3.61100E+02
1.57000E-02	3.59300E+02
1.95000E-02	3.58000E+02
3.98500E-02	3.52700E+02
5.96000E-02	3.49700E+02
7.99500E-02	3.47200E+02
1.22000E-01	3.43200E+02
1.68700E-01	3.40000E+02
2.31600E-01	3.35800E+02
3.18200E-01	3.30600E+02
6.47600E-01	3.14700E+02
1.01100E+00	2.98000E+02
1.32300E+00	2.84100E+02
1.67400E+00	2.68700E+02
2.08400E+00	2.50700E+02
2.48300E+00	2.33400E+02
2.99000E+00	2.16100E+02
3.34700E+00	1.98100E+02
3.74600E+00	1.82700E+02
4.07900E+00	1.70300E+02
4.51900E+00	1.54500E+02
5.00200E+00	1.38500E+02
5.54600E+00	1.21400E+02
5.99700E+00	1.08500E+02
6.54100E+00	9.41800E+01
7.14200E+00	8.01000E+01
7.91300E+00	6.49200E+01
8.35800E+00	5.75200E+01
9.14800E+00	4.68400E+01
9.80200E+00	3.97700E+01
1.04900E+01	3.34700E+01
1.12300E+01	2.71600E+01
1.16700E+01	2.37000E+01

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

PERCHLORIC ACID IN WATER AT 20 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
20.000	100.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.98230E-01
1.11700E-03	9.98200E-01
1.53600E-03	9.98300E-01
3.04200E-03	9.98300E-01

5.13900E-03	9.98500E-01
7.01400E-03	9.98600E-01
8.78400E-03	9.98700E-01
1.16900E-02	9.98800E-01
1.56900E-02	9.99100E-01
1.94900E-02	9.99300E-01
3.98300E-02	1.00050E+00
5.95700E-02	1.00170E+00
7.99100E-02	1.00280E+00
1.21900E-01	1.00520E+00
1.68600E-01	1.00800E+00
2.31500E-01	1.01160E+00
3.18000E-01	1.01620E+00
6.47100E-01	1.03490E+00
1.01100E+00	1.05550E+00
1.32200E+00	1.07310E+00
1.67200E+00	1.09310E+00
2.08200E+00	1.11630E+00
2.48000E+00	1.13860E+00
2.89700E+00	1.16310E+00
3.34400E+00	1.18870E+00
3.74200E+00	1.21230E+00
4.07400E+00	1.23110E+00
4.51400E+00	1.25670E+00
4.99500E+00	1.28520E+00
5.53900E+00	1.31720E+00
5.98900E+00	1.34400E+00
6.53200E+00	1.37640E+00
7.13200E+00	1.41240E+00
7.90100E+00	1.45840E+00
8.34500E+00	1.48480E+00
9.13400E+00	1.53130E+00
9.78700E+00	1.56940E+00
1.04800E+01	1.60820E+00
1.12100E+01	1.64730E+00
1.16500E+01	1.67100E+00

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	3.86300E+02
1.11700E-03	3.81800E+02
1.53600E-03	3.81100E+02
3.04200E-03	3.79000E+02
5.13900E-03	3.77000E+02
7.01400E-03	3.75700E+02
8.78400E-03	3.74600E+02
1.16900E-02	3.73100E+02
1.56900E-02	3.71400E+02
1.94900E-02	3.69800E+02
3.98300E-02	3.64500E+02
5.95700E-02	3.61200E+02
7.99100E-02	3.58900E+02
1.21900E-01	3.54700E+02
1.68600E-01	3.51000E+02
2.31500E-01	3.46500E+02
3.18000E-01	3.41200E+02
6.47100E-01	3.24600E+02
1.01100E+00	3.07300E+02
1.32200E+00	2.92800E+02
1.67200E+00	2.76800E+02

2.08200E+00	2.58300E+02
2.48000E+00	2.40400E+02
2.89700E+00	2.22500E+02
3.34400E+00	2.04000E+02
3.74200E+00	1.88100E+02
4.07400E+00	1.75400E+02
4.51400E+00	1.59100E+02
4.99500E+00	1.42700E+02
5.53900E+00	1.25300E+02
5.98900E+00	1.11900E+02
6.53200E+00	9.71700E+01
7.13200E+00	8.27000E+01
7.90100E+00	6.71700E+01
8.34500E+00	5.95100E+01
9.13400E+00	4.84800E+01
9.78700E+00	4.11300E+01
1.04800E+01	3.45800E+01
1.12100E+01	2.80600E+01
1.16500E+01	2.45000E+01

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

PERCHLORIC ACID IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	100.460	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.97070E-01
1.11600E-03	9.97000E-01
1.53400E-03	9.97100E-01
1.94500E-03	9.97100E-01
3.03900E-03	9.97100E-01
5.13300E-03	9.97300E-01
7.00600E-03	9.97400E-01
8.77300E-03	9.97500E-01
1.16800E-02	9.97800E-01
1.56700E-02	9.97900E-01
1.94700E-02	9.98100E-01
3.13500E-02	9.98800E-01
3.97800E-02	9.99300E-01
5.20500E-02	9.99900E-01
5.94900E-02	1.00040E+00
7.20500E-02	1.00100E+00
7.98100E-02	1.00150E+00
9.14500E-02	1.00220E+00
1.02200E-01	1.00270E+00
1.16400E-01	1.00360E+00
1.21900E-01	1.00390E+00
1.37200E-01	1.00470E+00
1.68400E-01	1.00660E+00
1.94300E-01	1.00820E+00
2.12300E-01	1.00910E+00
2.31200E-01	1.01010E+00
2.67900E-01	1.01210E+00
3.17600E-01	1.01480E+00

4.11000E-01	1.02020E+00
5.11100E-01	1.02580E+00
6.46000E-01	1.03320E+00
7.29500E-01	1.03780E+00
8.40000E-01	1.04420E+00
1.00900E+00	1.05350E+00
1.21500E+00	1.06510E+00
1.31900E+00	1.07090E+00
1.50800E+00	1.08150E+00
1.66900E+00	1.09080E+00
1.95800E+00	1.10730E+00
2.07700E+00	1.11380E+00
2.18200E+00	1.11970E+00
2.31100E+00	1.12700E+00
2.47400E+00	1.13580E+00
2.73000E+00	1.15070E+00
2.88900E+00	1.16000E+00
3.05600E+00	1.16940E+00
3.16300E+00	1.17580E+00
3.33500E+00	1.18550E+00
3.47400E+00	1.19380E+00
3.73100E+00	1.20870E+00
4.06200E+00	1.22750E+00
4.22700E+00	1.23700E+00
4.50000E+00	1.25290E+00
4.71000E+00	1.26530E+00
4.97900E+00	1.28090E+00
5.17700E+00	1.29250E+00
5.52000E+00	1.31280E+00
5.73800E+00	1.32580E+00
5.96800E+00	1.33940E+00
6.24400E+00	1.35610E+00
6.50900E+00	1.37160E+00
6.77000E+00	1.38730E+00
7.10500E+00	1.40720E+00
7.39600E+00	1.42490E+00
7.87000E+00	1.45280E+00
8.31300E+00	1.47910E+00
8.67300E+00	1.50060E+00
9.09900E+00	1.52540E+00
9.74800E+00	1.56320E+00
1.04300E+01	1.60190E+00
1.11700E+01	1.64110E+00
1.16100E+01	1.66480E+00

HAASE & DUECKER. Z PHYSIK CHEM NF 46, 140 (1965)

CONCENTRATION

DENSITY

1.03900E-01	1.00370E+00
1.05400E-01	1.00400E+00
1.12300E-01	1.00510E+00
1.64700E-01	1.00610E+00
1.86000E-01	1.00700E+00
2.12600E-01	1.00880E+00
2.13500E-01	1.00910E+00
2.72800E-01	1.01220E+00
2.72800E-01	1.01220E+00
3.23600E-01	1.01490E+00
3.64500E-01	1.01780E+00
4.07800E-01	1.01950E+00
4.12000E-01	1.01980E+00

4.98100E-01	1.02450E+00
5.94300E-01	1.02980E+00
6.35500E-01	1.03210E+00
6.99400E-01	1.03540E+00
7.55700E-01	1.03920E+00
8.72900E-01	1.04480E+00
9.87100E-01	1.05210E+00
9.87100E-01	1.05210E+00
1.01160E+00	1.05410E+00
1.26400E+00	1.06750E+00
1.43100E+00	1.07720E+00
1.49900E+00	1.08050E+00
1.49900E+00	1.08050E+00
1.75300E+00	1.09490E+00
1.98100E+00	1.10790E+00
1.98100E+00	1.10790E+00
2.34300E+00	1.13830E+00
2.98400E+00	1.16450E+00
2.99600E+00	1.16470E+00
4.06200E+00	1.22750E+00
4.08800E+00	1.22790E+00
5.05700E+00	1.28530E+00

HAASE, LEHNERT & JANSEN. Z PHYSIK CHEM NF 42, 32 (1964)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	4.17200E+02
2.00000E-01	3.74300E+02
4.00000E-01	3.62100E+02
6.00000E-01	3.51400E+02
8.00000E-01	3.40700E+02
1.00000E+00	3.30700E+02
1.50000E+00	3.05300E+02
2.00000E+00	2.80700E+02
2.50000E+00	2.56500E+02
3.00000E+00	2.33300E+02
3.50000E+00	2.10900E+02
4.00000E+00	1.90300E+02
4.50000E+00	1.70700E+02
5.00000E+00	1.52500E+02

HAASE, SAUERMAN & DUECKER. Z PHYSIK CHEM NF 43, 218 (1964)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	4.17000E+02
1.11600E-03	4.12000E+02
1.53400E-03	4.11300E+02
1.94500E-03	4.10600E+02
3.03900E-03	4.09000E+02
5.13300E-03	4.06800E+02
7.00600E-03	4.05300E+02
8.77300E-03	4.04300E+02
1.16800E-02	4.02600E+02
1.56700E-02	4.00700E+02
1.94700E-02	3.98900E+02
3.13500E-02	3.94100E+02
3.97800E-02	3.92400E+02
5.20500E-02	3.90000E+02
5.94900E-02	3.88700E+02
7.20500E-02	3.86800E+02

1.34500E+01	1.62500E+01
1.64000E+01	1.04600E+01
1.82000E+01	7.83800E+00
1.94200E+01	5.44700E+00
2.05300E+01	3.34000E+00
2.17300E+01	1.96400E+00

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

NITRIC ACID IN WATER AT -10 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-10.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

3.20800E+00	1.24700E+02
4.01400E+00	1.09900E+02
4.80900E+00	9.61800E+01
5.61000E+00	8.40200E+01
6.41800E+00	7.30600E+01
7.17100E+00	6.36600E+01
8.07400E+00	5.42600E+01
8.75000E+00	4.82800E+01
9.36200E+00	4.27700E+01
1.02400E+01	3.69500E+01
1.06100E+01	3.46000E+01
1.19900E+01	2.74600E+01
1.33700E+01	2.19700E+01
1.62300E+01	1.41000E+01
1.79400E+01	1.04400E+01
1.91800E+01	7.13300E+00
2.03000E+01	4.31500E+00
2.14900E+01	2.50500E+00
2.26400E+01	1.93700E+00
2.29500E+01	1.64300E+00
2.33100E+01	1.51200E+00
2.36000E+01	1.38600E+00
2.39900E+01	1.39300E+00
2.47100E+01	1.48000E+00

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

NITRIC ACID IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

4.94600E-01	2.37100E+02
6.35500E-01	2.28100E+02

1.15700E+00	2.13400E+02
1.50600E+00	2.03200E+02
1.86300E+00	1.93200E+02
2.40800E+00	1.76100E+02
2.79100E+00	1.67200E+02
3.19600E+00	1.56900E+02
3.57200E+00	1.46900E+02
4.00000E+00	1.36900E+02
4.38900E+00	1.28300E+02
5.24400E+00	1.10700E+02
5.59100E+00	1.04500E+02
5.91100E+00	9.85300E+01
6.38600E+00	9.09500E+01
7.13100E+00	7.96000E+01
8.02900E+00	6.84900E+01
8.68900E+00	6.07900E+01
9.29700E+00	5.52900E+01
1.01600E+01	4.77200E+01
1.05400E+01	4.46300E+01
1.11000E+01	4.05500E+01
1.19000E+01	3.57700E+01
1.24400E+01	3.28600E+01
1.32700E+01	2.88600E+01
1.60700E+01	1.81300E+01
1.88800E+01	8.96700E+00
2.00800E+01	5.33900E+00
2.12500E+01	3.06300E+00
2.23900E+01	2.35600E+00
2.26900E+01	1.95400E+00
2.30400E+01	1.79300E+00
2.33300E+01	1.64300E+00
2.37200E+01	1.60200E+00
2.44100E+01	1.65800E+00

965)

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

NITRIC ACID IN WATER AT 10 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
10.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

4.94200E-01	2.82300E+02
6.34700E-01	2.78600E+02
7.97300E-01	2.73000E+02
1.15500E+00	2.58200E+02
1.50200E+00	2.44100E+02
1.85700E+00	2.31500E+02
2.39900E+00	2.12800E+02
2.78000E+00	2.01300E+02
3.18400E+00	1.88200E+02
3.55600E+00	1.77400E+02
3.98100E+00	1.64200E+02
4.36800E+00	1.53900E+02
5.21500E+00	1.32500E+02
5.56000E+00	1.25300E+02

5.87600E+00	1.18600E+02
6.34600E+00	1.09300E+02
7.08200E+00	9.65300E+01
7.97300E+00	8.31000E+01
8.62400E+00	7.39300E+01
9.22600E+00	6.69400E+01
1.00800E+01	5.79700E+01
1.04500E+01	5.48600E+01
1.10100E+01	4.99500E+01
1.17900E+01	4.42900E+01
1.23300E+01	4.05600E+01
1.31500E+01	3.57800E+01
1.59000E+01	2.23400E+01
1.74100E+01	1.62100E+01
1.86700E+01	1.07000E+01
1.98600E+01	6.33900E+00
2.10100E+01	3.60000E+00
2.21300E+01	2.73800E+00
2.24300E+01	2.25300E+00
2.27700E+01	2.05500E+00
2.30600E+01	1.86200E+00
2.34400E+01	1.79100E+00
2.41200E+01	1.81800E+00

HAASE, SAUERMAN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

NITRIC ACID IN WATER AT 20 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
20.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

4.93100E-01	3.32100E+02
6.33200E-01	3.26200E+02
7.95400E-01	3.16100E+02
1.15200E+00	2.99700E+02
1.49700E+00	2.85200E+02
1.85100E+00	2.70500E+02
2.39000E+00	2.46600E+02
2.76800E+00	2.33400E+02
3.16900E+00	2.19300E+02
3.53900E+00	2.06100E+02
3.96000E+00	1.91100E+02
4.34300E+00	1.78700E+02
4.73400E+00	1.67200E+02
5.18300E+00	1.54800E+02
5.52500E+00	1.45900E+02
5.83800E+00	1.38000E+02
6.30300E+00	1.27800E+02
7.03100E+00	1.12500E+02
7.91100E+00	9.69000E+01
8.55400E+00	8.70500E+01
9.14900E+00	7.89700E+01
9.99100E+00	6.88000E+01
1.03600E+01	6.45800E+01
1.09100E+01	5.91300E+01

1.16800E+01	5.23800E+01
1.22100E+01	4.81300E+01
1.30200E+01	4.25100E+01
1.57300E+01	2.63700E+01
1.71500E+01	1.89500E+01
1.84600E+01	1.22800E+01
1.96400E+01	7.19800E+00
2.07800E+01	4.01300E+00
2.18700E+01	3.11100E+00
2.21700E+01	2.61800E+00
2.25100E+01	2.28400E+00
2.27900E+01	2.07300E+00
2.31700E+01	1.95600E+00
2.38400E+01	2.00000E+00

HAASE, SAUERMAN \$ DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

NITRIC ACID IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

DENSITY

1.00000E-02	1.00241E+00
2.00000E-02	1.00778E+00
3.00000E-02	1.01318E+00
4.00000E-02	1.01861E+00
5.00000E-02	1.02408E+00
6.00000E-02	1.02958E+00
7.00000E-02	1.03520E+00
8.00000E-02	1.04090E+00
9.00000E-02	1.04660E+00
1.00000E-01	1.05230E+00
1.10000E-01	1.05810E+00
1.20000E-01	1.06400E+00
1.30000E-01	1.06990E+00
1.40000E-01	1.07580E+00
1.50000E-01	1.08180E+00
1.60000E-01	1.08790E+00
1.70000E-01	1.09400E+00
1.80000E-01	1.10010E+00
1.90000E-01	1.10620E+00
2.00000E-01	1.11230E+00
2.10000E-01	1.11850E+00
2.20000E-01	1.12470E+00
2.30000E-01	1.13100E+00
2.40000E-01	1.13740E+00
2.50000E-01	1.14380E+00
2.60000E-01	1.15020E+00
2.70000E-01	1.15660E+00
2.80000E-01	1.16310E+00
2.90000E-01	1.16970E+00
3.00000E-01	1.17630E+00
3.10000E-01	1.18290E+00
3.20000E-01	1.18960E+00
3.30000E-01	1.19630E+00

3.40000E-01	1.20300E+00
3.50000E-01	1.20980E+00
3.60000E-01	1.21630E+00
3.70000E-01	1.22270E+00
3.80000E-01	1.22910E+00
3.90000E-01	1.23540E+00
4.00000E-01	1.24170E+00
4.10000E-01	1.24800E+00
4.20000E-01	1.25430E+00
4.30000E-01	1.26060E+00
4.40000E-01	1.26690E+00
4.50000E-01	1.27320E+00
4.60000E-01	1.27950E+00
4.70000E-01	1.28580E+00
4.80000E-01	1.29210E+00
4.90000E-01	1.29840E+00
5.00000E-01	1.30430E+00
5.10000E-01	1.31020E+00
5.20000E-01	1.31600E+00
5.30000E-01	1.32180E+00
5.40000E-01	1.32750E+00
5.50000E-01	1.33310E+00
5.60000E-01	1.33860E+00
5.70000E-01	1.34410E+00
5.80000E-01	1.34950E+00
5.90000E-01	1.35480E+00
6.00000E-01	1.36000E+00
6.10000E-01	1.36510E+00
6.20000E-01	1.37000E+00
6.30000E-01	1.37480E+00
6.40000E-01	1.37950E+00
6.50000E-01	1.38410E+00
6.60000E-01	1.38870E+00
6.70000E-01	1.39320E+00
6.80000E-01	1.39760E+00
6.90000E-01	1.40190E+00
7.00000E-01	1.40610E+00
7.10000E-01	1.41020E+00
7.20000E-01	1.41420E+00
7.30000E-01	1.41820E+00
7.40000E-01	1.42210E+00
7.50000E-01	1.42590E+00
7.60000E-01	1.42960E+00
7.70000E-01	1.43330E+00
7.80000E-01	1.43690E+00
7.90000E-01	1.44040E+00
8.00000E-01	1.44390E+00
8.10000E-01	1.44730E+00
8.20000E-01	1.45070E+00
8.30000E-01	1.45400E+00
8.40000E-01	1.45720E+00
8.50000E-01	1.46030E+00
8.60000E-01	1.46330E+00
8.70000E-01	1.46620E+00
8.80000E-01	1.46900E+00
8.90000E-01	1.47160E+00
9.00000E-01	1.47410E+00
9.10000E-01	1.47660E+00
9.20000E-01	1.47890E+00
9.30000E-01	1.48070E+00
9.40000E-01	1.48260E+00
9.50000E-01	1.48460E+00

9.60000E-01	1.48670E+00
9.70000E-01	1.48890E+00
9.80000E-01	1.49220E+00
9.90000E-01	1.49690E+00
1.00000E+00	1.50400E+00

INTERNATIONAL CRITICAL TABLES (1929)

MASS FRACTION RELATIVE VISCOSITY

2.02300E-01	1.03750E+00
2.80000E-01	1.10000E+00
3.52800E-01	1.18750E+00
4.33200E-01	1.29370E+00
5.07100E-01	1.38120E+00
5.86000E-01	1.45720E+00
6.53000E-01	1.46250E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

CONCENTRATION MOLAR CONDUCTANCE

0.	4.21300E+02
5.00000E-01	3.56800E+02
1.00000E+00	3.28600E+02
2.00000E+00	2.81500E+02
3.00000E+00	2.40000E+02
4.00000E+00	2.02400E+02
5.00000E+00	1.70500E+02
6.00000E+00	1.44000E+02
7.00000E+00	1.20500E+02
8.00000E+00	1.01900E+02
9.00000E+00	8.67200E+01
1.00000E+01	7.38100E+01

HAASE, SAUERMAN & DUECKER. Z PHYSIK CHEM NF 43, 218 (1964)

CONCENTRATION EQUIVALENT CONDUCTANCE

1.00000E-01	3.85000E+02
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MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION MOLAR CONDUCTANCE

5.00000E-04	4.17000E+02
2.00000E-03	4.13700E+02
1.00000E-02	4.06000E+02
5.00000E-02	3.93300E+02
1.00000E-01	3.85000E+02
5.00000E-03	4.11200E+02
1.00000E-02	4.07300E+02
2.00000E-02	4.02800E+02
5.00000E-02	3.94000E+02
1.00000E-01	3.86000E+02
2.00000E-01	3.76100E+02

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION CONDUCTIVITY

4.92400E-01	1.75800E-01
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6.32300E-01	2.21200E-01
7.94300E-01	2.69600E-01
1.15000E+00	3.69700E-01
1.49500E+00	4.54200E-01
1.84700E+00	5.32900E-01
2.38500E+00	6.31300E-01
2.76200E+00	6.90400E-01
3.16100E+00	7.40600E-01
3.95000E+00	8.03300E-01
4.33200E+00	8.30200E-01
4.72100E+00	8.43700E-01
5.16800E+00	8.52300E-01
5.50700E+00	8.55100E-01
5.81900E+00	8.58200E-01
6.28200E+00	8.59000E-01
7.00700E+00	8.43600E-01
7.88200E+00	8.19300E-01
8.52200E+00	7.97400E-01
9.11200E+00	7.74700E-01
9.94900E+00	7.39000E-01
1.03100E+01	7.19200E-01
1.08600E+01	6.93500E-01
1.16300E+01	6.58500E-01
1.21600E+01	6.32700E-01
1.29600E+01	5.96600E-01
1.56500E+01	4.42900E-01
1.70600E+01	3.45600E-01
1.83600E+01	2.39200E-01
1.95300E+01	1.48800E-01
2.06600E+01	8.79900E-02

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

CONCENTRATION

CONDUCTIVITY

2.17500E+01	7.05600E-02
2.20400E+01	6.01000E-02
2.23800E+01	5.32700E-02
2.26600E+01	4.88800E-02
2.30300E+01	4.65200E-02
2.37000E+01	4.87600E-02

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

CONCENTRATION

TRANSFERENCE NUMBER

-0.	8.30400E-01
2.00000E-02	8.37700E-01
4.00000E-02	8.39400E-01
6.00000E-02	8.40200E-01
8.00000E-02	8.40600E-01
1.00000E-01	8.40800E-01

COVINGTON & PRUE. J CHEM SOC 1957, P. 1567

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	8.44100E-01
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MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER	
4.03000E-03	8.32900E-01
2.41800E-02	8.37100E-01
4.03000E-02	8.39200E-01
8.86600E-02	8.43800E-01

BANERJI, SRIVASTAVA & GOPAL. J INDIAN CHEM SOC 40, 651 (1963)

CONCENTRATION	TRANSFERENCE NUMBER
9.62000E-02	8.39200E-01
1.84000E-01	8.41600E-01
1.99800E-01	8.38800E-01
2.03300E-01	8.41100E-01
5.18000E-01	8.36800E-01
5.18000E-01	8.39700E-01
9.28900E-01	8.34800E-01
9.28900E-01	8.33400E-01
1.65190E+00	8.24100E-01
1.65190E+00	8.25000E-01
3.28350E+00	8.02900E-01
5.65520E+00	7.77900E-01
5.65520E+00	7.80700E-01
7.73410E+00	7.40200E-01
9.37700E+00	7.10100E-01
9.37700E+00	7.11200E-01

HAASE, LEHNERT & JANSEN. Z PHYSIK CHEM NF 42, 32 (1964)

CONCENTRATION	TRANSFERENCE NUMBER
2.29750E-02	8.38600E-01
4.30690E-02	8.39700E-01
5.84140E-02	8.40000E-01
8.20530E-02	8.40500E-01
1.00220E-01	8.40900E-01

COVINGTON & PRUE. J CHEM SOC 1957, P. 1567

CONCENTRATION	DIFFUSION COEFFICIENT
-0.	3.15800E-05
4.56000E-01	2.84200E-05
1.00500E+00	2.97900E-05
2.15500E+00	3.18000E-05
3.04000E+00	3.31200E-05

CHAPMAN. PH. D. THESIS. UCRL-17768. NOVEMBER, 1967

MOLALITY	GAMMA
1.00000E-01	7.91000E-01
2.00000E-01	7.54000E-01
3.00000E-01	7.35000E-01
4.00000E-01	7.25000E-01
5.00000E-01	7.20000E-01
6.00000E-01	7.17000E-01
7.00000E-01	7.17000E-01
8.00000E-01	7.18000E-01
9.00000E-01	7.21000E-01
1.00000E+00	7.24000E-01
1.20000E+00	7.34000E-01

1.40000E+00	7.45000E-01
1.60000E+00	7.58000E-01
1.80000E+00	7.75000E-01
2.00000E+00	7.93000E-01
2.50000E+00	8.46000E-01
3.00000E+00	9.09000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

1.00000E-02	9.09000E-01
1.00000E-02	9.11000E-01
2.00000E-02	8.81000E-01
2.00000E-02	8.84000E-01
5.00000E-02	8.38000E-01
5.00000E-02	8.40000E-01
1.00000E-01	7.96000E-01
1.00000E-01	7.98000E-01

COVINGTON & PRUE. J CHEM SOC 1957, P. 1567

MOLALITY

GAMMA

1.00000E-03	9.64600E-01
2.00000E-03	9.51300E-01
5.00000E-03	9.26700E-01
1.00000E-02	9.01700E-01
2.00000E-02	8.71000E-01
5.00000E-02	8.22800E-01
1.00000E-01	7.85000E-01
2.00000E-01	7.47900E-01
5.00000E-01	7.15100E-01
7.00000E-01	7.12800E-01
1.00000E+00	7.19800E-01
1.50000E+00	7.46100E-01
2.00000E+00	7.82600E-01
3.00000E+00	8.75900E-01
4.00000E+00	9.82100E-01
5.00000E+00	1.08200E+00
6.00000E+00	1.16300E+00
7.00000E+00	1.24900E+00
1.00000E+01	1.49000E+00
1.50000E+01	1.80000E+00
2.00000E+01	2.02000E+00
2.50000E+01	2.22000E+00
3.00000E+01	2.39000E+00
4.00000E+01	2.58000E+00
5.00000E+01	2.61000E+00
6.00000E+01	2.74000E+00

LANDOLT-BORNSTEIN 1923. SUPPL 3, PART 3 (1936)

NITRIC ACID IN WATER AT 30 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION EQUIVALENT CONDUCTANCE

4.91500E-01	3.81500E+02
6.31200E-01	3.71800E+02
7.92800E-01	3.63000E+02
1.14800E+00	3.42300E+02
1.49200E+00	3.24200E+02
1.84300E+00	3.08200E+02
2.37700E+00	2.82100E+02
2.75600E+00	2.65100E+02
3.15400E+00	2.49700E+02
3.52100E+00	2.34000E+02
3.93900E+00	2.17100E+02
4.32000E+00	2.04000E+02
4.70800E+00	1.90700E+02
5.15300E+00	1.76300E+02
5.80100E+00	1.57500E+02
6.26100E+00	1.46100E+02
6.98100E+00	1.28700E+02
7.85200E+00	1.11600E+02
8.48800E+00	1.00300E+02
9.07500E+00	9.11200E+01
9.90000E+00	7.98800E+01
1.02700E+01	7.50700E+01
1.08100E+01	6.89000E+01
1.15700E+01	6.11800E+01
1.21000E+01	5.62500E+01
1.28900E+01	4.97300E+01
1.57600E+01	3.03400E+01
1.69600E+01	2.15300E+01
1.83000E+01	1.37400E+01
1.94200E+01	7.99300E+00
2.05400E+01	4.44500E+00
2.16200E+01	3.39000E+00
2.19200E+01	2.83200E+00
2.22500E+01	2.47500E+00
2.25300E+01	2.23700E+00
2.35600E+01	2.11900E+00

HAASE, SAUERMAN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

CONCENTRATION TRANSFERENCE NUMBER

4.03000E-03	8.29300E-01
2.41800E-02	8.43400E-01
4.03000E-02	8.36100E-01
8.86600E-02	8.40400E-01

BANERJI, SRIVASTAVA & GOPAL. J INDIAN CHEM SOC 40, 651 (1963)

NITRIC ACID IN WATER AT 40 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
40.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

4.89700E-01	4.26600E+02
6.28800E-01	4.13300E+02
7.89700E-01	4.01900E+02
1.14300E+00	3.83300E+02
1.48500E+00	3.62200E+02
1.83500E+00	3.42200E+02
2.36800E+00	3.15300E+02
2.74100E+00	2.97900E+02
3.13600E+00	2.78800E+02
3.50100E+00	2.62100E+02
3.91600E+00	2.42900E+02
4.29200E+00	2.27100E+02
4.67700E+00	2.13500E+02
5.11800E+00	1.97800E+02
5.75900E+00	1.77800E+02
6.21500E+00	1.64300E+02
6.92900E+00	1.45000E+02
7.78900E+00	1.25600E+02
8.41700E+00	1.13500E+02
8.99600E+00	1.03700E+02
9.81700E+00	9.10800E+01
1.01700E+01	8.65300E+01
1.07100E+01	7.96300E+01
1.14600E+01	7.03200E+01
1.19800E+01	6.47100E+01
1.27600E+01	5.70200E+01
1.53900E+01	3.39500E+01
1.67800E+01	2.38300E+01
1.81300E+01	1.50000E+01
1.91900E+01	8.66800E+00
2.03000E+01	4.76000E+00
2.13600E+01	3.61800E+00
2.16600E+01	2.99200E+00
2.19900E+01	2.61400E+00
2.22700E+01	2.36000E+00
2.32800E+01	2.21100E+00

HAASE, SAUERMAN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

CONCENTRATION

TRANSFERENCE NUMBER

4.03000E-03	8.24900E-01
2.41800E-02	8.29700E-01
4.03000E-02	8.32400E-01
6.44800E-02	8.35000E-01
8.86600E-02	8.36800E-01

BANERJI, SRIVASTAVA & GOPAL. J INDIAN CHEM SOC 40, 651 (1963)

NITRIC ACID IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	63.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

4.87600E-01	4.69700E+02
6.26000E-01	4.57800E+02
7.86100E-01	4.47900E+02
1.13800E+00	4.24200E+02
1.47800E+00	4.02200E+02
1.82500E+00	3.79800E+02
2.35500E+00	3.43900E+02
2.72600E+00	3.25800E+02
3.11800E+00	3.05600E+02
3.48000E+00	2.86700E+02
3.89200E+00	2.65900E+02
4.26600E+00	2.49900E+02
5.08400E+00	2.16200E+02
5.71800E+00	1.94600E+02
6.17000E+00	1.80900E+02
6.87500E+00	1.60100E+02
7.72500E+00	1.40700E+02
8.34600E+00	1.27400E+02
8.91800E+00	1.16300E+02
9.72800E+00	1.02200E+02
1.00800E+01	9.69900E+01
1.06100E+01	8.85100E+01
1.13500E+01	7.88400E+01
1.18600E+01	7.27100E+01
1.26300E+01	6.36100E+01
1.52300E+01	3.71600E+01
1.65900E+01	2.58100E+01
1.79600E+01	1.60100E+01
1.89700E+01	9.18700E+00
2.00600E+01	4.98000E+00
2.10900E+01	3.78200E+00
2.14100E+01	3.10000E+00
2.17300E+01	2.71600E+00
2.20000E+01	2.43600E+00
2.23700E+01	2.24600E+00
2.30000E+01	2.26900E+00

HAASE, SAUERMANN & DUECKER. Z PHYSIK CHEM NF 46, 129 (1965)

CONCENTRATION

TRANSEERANCE NUMBER

4.03000E-03	8.20200E-01
2.41800E-02	8.25700E-01
4.03000E-02	8.27900E-01
6.44800E-02	8.30600E-01

BANERJI, SRIVASTAVA & GOPAL. J INDIAN CHEM SOC 40, 651 (1963)

PHOSPHORIC ACID IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	98.000	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

DENSITY

3.80000E-03	9.99100E-01
2.30000E-02	1.01010E+00

3.77000E-02	1.02070E+00
9.32000E-02	1.05000E+00
1.56400E-01	1.08750E+00
2.50400E-01	1.14700E+00
3.89100E-01	1.24680E+00
4.27800E-01	1.27600E+00
4.49400E-01	1.29600E+00
4.55400E-01	1.29870E+00

KLOCHO & KURBANOV. INST OBSHCH NEORG KHIM IZVEST 24, 252 (1954)

CONCENTRATION

DENSITY

9.92700E-02	1.00250E+00
1.00000E-01	1.00260E+00
1.97600E-01	1.00750E+00
2.95100E-01	1.01250E+00
6.75900E-01	1.03180E+00
9.52300E-01	1.04570E+00
1.82000E+00	1.08900E+00
2.61880E+00	1.12900E+00
3.34950E+00	1.16540E+00
4.02200E+00	1.19880E+00
4.64200E+00	1.22870E+00
5.75100E+00	1.28250E+00
6.24630E+00	1.30620E+00
6.70590E+00	1.32780E+00
7.00000E+00	1.34220E+00
8.00000E+00	1.38820E+00
9.00000E+00	1.43460E+00
1.00000E+01	1.48060E+00
1.10000E+01	1.52550E+00
1.20000E+01	1.57190E+00
1.30000E+01	1.61520E+00
1.40000E+01	1.65910E+00
1.58870E+01	1.73450E+00
1.80200E+01	1.82240E+00

MASON & CULVERN. JACS 71, 2387 (1949)

CONCENTRATION

RELATIVE DENSITY

4.60000E-02	1.00268E+00
7.41000E-02	1.00419E+00
1.60200E-01	1.00875E+00
2.45600E-01	1.01324E+00
3.62000E-01	1.01938E+00
5.46700E-01	1.02906E+00
7.68100E-01	1.04054E+00
9.97200E-01	1.05237E+00
1.29120E+00	1.06754E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

4.60000E-02	1.01280E+00
7.41000E-02	1.02020E+00
1.60200E-01	1.04230E+00
2.45600E-01	1.06460E+00
3.62000E-01	1.09620E+00
5.46700E-01	1.14860E+00

7.68100E-01 1.21460E+00
 9.97200E-01 1.28730E+00
 1.29120E+00 1.38800E+00
 DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

MASS FRACTION

VISCOSITY

3.80000E-03	9.68800E-01
2.30000E-02	9.75100E-01
3.77000E-02	9.89700E-01
9.32000E-02	1.14600E+00
1.56400E-01	1.40700E+00
2.50400E-01	1.88400E+00
3.89100E-01	3.10200E+00
4.27800E-01	3.63100E+00
4.49400E-01	4.04100E+00
4.55400E-01	4.09400E+00
4.77000E-01	4.41800E+00
4.80000E-01	4.56400E+00
5.18300E-01	5.32200E+00
5.52500E-01	6.40200E+00
5.97100E-01	8.12200E+00
6.23200E-01	9.04800E+00
6.44600E-01	9.84000E+00
6.88900E-01	1.29110E+01
7.16000E-01	1.52450E+01
7.55300E-01	2.02470E+01
8.13200E-01	2.94000E+01
8.27200E-01	3.39170E+01
8.35800E-01	3.54180E+01
8.85000E-01	5.57040E+01
8.93800E-01	6.14920E+01
9.08200E-01	6.58200E+01
9.22400E-01	7.51060E+01
9.37400E-01	8.36280E+01
9.56900E-01	1.07598E+02
9.64000E-01	1.12056E+02
9.83000E-01	1.47138E+02
9.85000E-01	1.56071E+02

KLOCHO \$ KURBANOV. INST OBSHCH NEORG KHIM IZVEST 24, 252 (1954)

MASS FRACTION

CONDUCTIVITY

3.82000E-03	5.20000E-03
2.30000E-02	1.94000E-02
3.77000E-02	2.68000E-02
9.32000E-02	5.84000E-02
1.56400E-01	9.61000E-02
2.50400E-01	1.52500E-01
3.89100E-01	2.19100E-01
4.27800E-01	2.28700E-01
4.49400E-01	2.31600E-01
4.55400E-01	2.31800E-01
4.74000E-01	2.32100E-01
4.80000E-01	2.31900E-01
5.18300E-01	2.29200E-01

KLOCHO \$ KURBANOV. INST OBSHCH NEORG KHIM IZVEST 24, 252 (1954)

CONCENTRATION

MOLAR CONDUCTANCE

1.00000E-03	3.36380E+02
3.00000E-03	2.91820E+02
4.00000E-03	2.76210E+02
6.00000E-03	2.53710E+02
8.00000E-03	2.36990E+02
1.00000E-02	2.23000E+02
2.00000E-02	1.80950E+02
2.59300E-02	1.66340E+02
4.00000E-02	1.43730E+02
4.77700E-02	1.34630E+02
5.00000E-02	1.33050E+02
7.00000E-02	1.17890E+02
8.00000E-02	1.12590E+02
9.00000E-02	1.08000E+02
9.92700E-02	1.04430E+02
1.00000E-01	1.04050E+02
1.97600E-01	8.31000E+01
2.95100E-01	7.39600E+01
6.75900E-01	6.11700E+01
9.52300E-01	5.82000E+01
1.82000E+00	5.54400E+01
2.61880E+00	5.39500E+01
3.34950E+00	5.16300E+01
4.02200E+00	4.90200E+01
4.64200E+00	4.60700E+01
5.75100E+00	4.01800E+01
6.24630E+00	3.73200E+01
6.70590E+00	3.45600E+01
7.00000E+00	3.30300E+01
8.00000E+00	2.75300E+01
9.00000E+00	2.25200E+01
1.00000E+01	1.81600E+01
1.10000E+01	1.44700E+01
1.20000E+01	1.14300E+01
1.30000E+01	9.04000E+00
1.40000E+01	7.16000E+00
1.58870E+01	4.80000E+00
1.80200E+01	3.14000E+00

MASON & CULVERN. JACS 71, 2387 (1949)

MOLALITY

TRANSFERENCE NUMBER

0.	8.95000E-01
2.00000E-02	8.88000E-01
5.00000E-02	8.77000E-01
1.00000E-01	8.70000E-01
2.00000E-01	8.62000E-01
3.00000E-01	8.58000E-01
5.00000E-01	8.52000E-01
8.00000E-01	8.46000E-01
2.00000E+00	8.36000E-01
4.00000E+00	8.29000E-01

KERKER & ESPENSCHIED. JACS 80, 776 (1958)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	8.97000E-01
2.50000E-01	8.60000E-01
6.93000E-01	9.10000E-01

1.09000E+00	9.16000E-01
1.57000E+00	9.17000E-01
2.67000E+00	9.29000E-01
3.80000E+00	9.88000E-01

SAHAY. INDIAN J CHEM 1, 103 (1963)

CONCENTRATION

TRANSFERENCE NUMBER

0.	8.95000E-01
8.80000E-03	9.00500E-01
2.20000E-02	9.04000E-01
3.52000E-02	9.06300E-01
4.40000E-02	9.09000E-01

KERKER, BOWMAN & MATIJEVIC. TRANS FARADAY SOC 56, 1039 (1960)

G/100 G OF SOLVENT

TRANSFERENCE NUMBER

2.22200E+02	9.89000E-01
1.94100E+02	9.79000E-01
1.61600E+02	9.53000E-01
1.61600E+02	9.58000E-01
1.34200E+02	9.40000E-01
8.27000E+01	9.41000E-01
8.27000E+01	9.35000E-01
5.12000E+01	9.39000E-01
5.12000E+01	9.38000E-01
1.51000E+01	9.74000E-01

KUDRA, FIALKOV & ZHITDMIRSKII. ZH NEORG KHIM 9, 2454 (1964)

MOLALITY

TRANSFERENCE NUMBER

-0.	9.14000E-01
2.00000E-02	8.90000E-01
3.00000E-02	8.80000E-01
5.00000E-02	8.60000E-01
7.00000E-02	8.50000E-01
1.00000E-01	8.40000E-01
2.00000E-01	8.20000E-01
3.00000E-01	8.10000E-01
5.00000E-01	8.00000E-01
7.00000E-01	7.90000E-01
1.00000E+00	7.80000E-01
2.00000E+00	7.60000E-01
3.00000E+00	7.40000E-01
4.00000E+00	7.30000E-01
5.00000E+00	7.20000E-01
6.00000E+00	7.10000E-01
7.00000E+00	7.00000E-01
8.00000E+00	6.90000E-01
9.00000E+00	6.90000E-01
1.02240E+01	6.80000E-01

MASON & CULVERN. JACS 71, 2387 (1949)

CONCENTRATION

DIFFUSION COEFFICIENT

3.60000E-02	1.04100E-05
3.62000E-02	1.04300E-05
4.86000E-02	1.02000E-05

7.14000E-02	9.91200E-06
7.17000E-02	9.94600E-06
1.42200E-01	9.12100E-06
2.14300E-01	8.90300E-06
3.58600E-01	8.69300E-06
4.99200E-01	8.53000E-06
1.08460E+00	8.29700E-06
1.91120E+00	8.14700E-06
2.64300E+00	8.03700E-06
3.94000E+00	7.97300E-06
4.87200E+00	7.84600E-06
5.65000E+00	7.69300E-06
6.43900E+00	7.45400E-06
7.77200E+00	6.87900E-06
8.94000E+00	6.26300E-06
1.02380E+01	5.30200E-06
1.32570E+01	3.04300E-06
1.59920E+01	1.32200E-06

EDWARDS & HUFFMAN. J PHYS CHEM 63, 1830 (1959)

MOLALITY

1.0 + DLOG(GAMMA)/DLOG(M)

-0.	1.00000E+00
1.65900E-01	5.55990E-01
1.79400E-01	5.54290E-01
2.34200E-01	5.50240E-01
3.03400E-01	5.48440E-01
3.32100E-01	5.48230E-01
4.79800E-01	5.49650E-01
5.89900E-01	5.52700E-01
6.40600E-01	5.54620E-01
7.79000E-01	5.61530E-01
9.04000E-01	5.69720E-01
1.01340E+00	5.78230E-01
1.06750E+00	5.82830E-01
1.61030E+00	6.37730E-01
1.76020E+00	6.53990E-01
2.04450E+00	6.84290E-01
2.14740E+00	6.94920E-01
2.16450E+00	6.96660E-01
2.53480E+00	7.32780E-01
2.56220E+00	7.35330E-01
2.93660E+00	7.68750E-01
3.05750E+00	7.79100E-01
3.99780E+00	8.58950E-01
4.33060E+00	8.89240E-01
5.50920E+00	1.01000E+00
5.70630E+00	1.03140E+00
6.49490E+00	1.12300E+00
6.57240E+00	1.12030E+00
7.53560E+00	1.19410E+00
8.02800E+00	1.21750E+00
8.51420E+00	1.23340E+00
8.70200E+00	1.23870E+00

ELMORE, MASON & CHRISTENSEN. JACS 68, 2528 (1946)

MOLALITY

1.0 + DLOG(GAMMA)/DLOG(M)

9.18620E+00	1.27020E+00
9.51300E+00	1.28390E+00

1.02840E+01	1.31380E+00
1.09030E+01	1.33580E+00
1.10700E+01	1.34160E+00
1.11970E+01	1.34590E+00
1.19380E+01	1.37030E+00
1.26470E+01	1.39270E+00
1.35500E+01	1.41980E+00
1.40570E+01	1.43430E+00
1.56850E+01	1.47500E+00
1.59120E+01	1.47970E+00
1.80340E+01	1.50440E+00
1.90060E+01	1.50050E+00
2.07080E+01	1.46400E+00
2.13270E+01	1.44060E+00
2.16080E+01	1.42830E+00

ELMORE, MASON & CHRISTENSEN. JACS 68, 2528 (1946)

SULFURIC ACID IN WATER AT 10 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
10.000	98.060	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DIFFUSION COEFFICIENT

2.25000E-02	1.28000E-05
4.00000E-02	1.25000E-05
9.00000E-02	1.21000E-05
1.60000E-01	1.19500E-05
3.60000E-01	1.21500E-05
6.40000E-01	1.27000E-05
1.00000E+00	1.36500E-05

HOLLINGSHEAD & GORDON. J CHEM PHYS 8, 423 (1940)

SULFURIC ACID IN WATER AT 15 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
15.000	98.080	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DIFFUSION COEFFICIENT

2.25000E-02	1.49000E-05
4.00000E-02	1.45500E-05
9.00000E-02	1.40500E-05
1.60000E-01	1.38500E-05
3.60000E-01	1.41000E-05
6.40000E-01	1.47000E-05
1.00000E+00	1.57000E-05

HOLLINGSHEAD & GORDON. J CHEM PHYS 8, 423 (1940)

SULFURIC ACID IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	98.080	18.015	3.0	2.0	1.0	1.0	-2.0

MASS FRACTION

DENSITY

1.00000E-02	1.00380E+00
2.00000E-02	1.01040E+00
3.00000E-02	1.01690E+00
4.00000E-02	1.02340E+00
5.00000E-02	1.03000E+00
6.00000E-02	1.03670E+00
7.00000E-02	1.04340E+00
8.00000E-02	1.05020E+00
9.00000E-02	1.05710E+00
1.00000E-01	1.06400E+00

INTERNATIONAL CRITICAL TABLES (1929)

MASS FRACTION

DENSITY

5.00000E-02	1.03300E+00
9.39000E-02	1.06100E+00
1.34200E-01	1.06100E+00
1.74200E-01	1.12000E+00
2.03400E-01	1.13900E+00
2.41000E-01	1.16800E+00
2.98000E-01	1.21300E+00
3.97000E-01	1.30000E+00
5.12000E-01	1.50400E+00
6.25000E-01	1.52200E+00
7.09000E-01	1.61800E+00
7.82000E-01	1.70300E+00
8.14000E-01	1.73900E+00
8.35000E-01	1.76000E+00
8.75000E-01	1.79500E+00
9.03000E-01	1.81300E+00
9.47500E-01	1.83100E+00
9.83000E-01	1.83500E+00
9.96000E-01	1.83200E+00

RHODES & BARBOUR. IND ENG CHEM 15, 850 (1923)

MASS FRACTION

VISCOSITY

9.60000E-01	1.90000E+01
9.82000E-01	2.20000E+01
9.98000E-01	2.24000E+01

DUNSTAN. PROC CHEM SOC 30, 104 (1914)

MASS FRACTION

VISCOSITY

1.00000E-01	1.09100E+00
1.50000E-01	1.21800E+00
2.00000E-01	1.37100E+00

2.50000E-01	1.55900E+00
3.00000E-01	1.78400E+00
3.50000E-01	2.06700E+00
4.00000E-01	2.40900E+00
4.50000E-01	2.85000E+00
5.00000E-01	3.40000E+00

VINAL & CRAIG. BUR STANDARDS J RESEARCH 10, 781 (1933)

MOLALITY

RELATIVE VISCOSITY

1.00000E-02	1.00490E+00
5.00000E-02	1.01300E+00
1.00000E-01	1.02030E+00
2.00000E-01	1.03830E+00
3.00000E-01	1.05660E+00
4.00000E-01	1.07530E+00
5.00000E-01	1.09300E+00
6.00000E-01	1.11190E+00
8.00000E-01	1.14890E+00
1.00000E+00	1.18670E+00
1.25000E+00	1.23700E+00
1.50000E+00	1.28890E+00
2.00000E+00	1.39160E+00
2.50000E+00	1.50430E+00
3.00000E+00	1.62600E+00
3.50000E+00	1.75000E+00
4.00000E+00	1.87730E+00
4.50000E+00	2.00900E+00
5.00000E+00	2.14300E+00
5.50000E+00	2.27810E+00
6.00000E+00	2.41510E+00

SAVINO & VITAGLIANO. RIC SCI REND, SEZ A2, 341 (1962)

CONCENTRATION

CONDUCTIVITY

5.09800E-01	2.08000E-01
1.01960E+00	4.10000E-01
1.52940E+00	5.65000E-01
2.03920E+00	6.83000E-01

RICHARDSON & TAYLOR. TRANS AM ELECTROCHEM SOC 20, 179 (1911)

NORMALITY

EQUIVALENT CONDUCTANCE

2.23900E-01	2.50300E+02
5.83400E-02	3.18000E+02
1.44300E-02	3.62750E+02
3.65800E-03	3.90400E+02
9.41200E-04	4.07700E+02
2.47700E-04	4.18600E+02
1.00000E-01	2.51200E+02
5.00000E-02	2.73000E+02
1.25000E-02	3.27500E+02
2.00000E-03	3.90800E+02
5.00000E-04	4.13700E+02

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION

CONDUCTIVITY

5.09800E-01	2.16500E-01
1.01960E+00	4.06900E-01
1.37650E+00	5.15000E-01
1.52940E+00	5.55900E-01
2.03920E+00	6.68400E-01

KERN & CHANG. TRANS AM ELECTROCHEM SOC 41, 181 (1922)

CONCENTRATION

CONDUCTIVITY

1.02800E-01	3.01400E-02
3.25500E-02	1.10400E-02
8.87800E-03	3.32100E-03
2.41500E-03	9.57600E-04
6.41000E-04	2.63700E-04
1.73500E-04	7.30000E-05
4.71900E-05	2.01400E-05
1.27500E-05	5.49100E-06
3.33200E-06	1.44400E-06
9.09500E-07	3.96800E-07
2.43900E-07	1.06800E-07
6.31700E-08	2.30300E-08
1.61600E-08	5.88000E-09
2.23900E-01	5.60600E-02
5.83400E-02	1.85600E-02
1.44300E-02	5.23600E-03
3.65800E-03	1.42800E-03
9.41200E-04	3.83800E-04
2.47700E-04	1.03600E-04
6.57700E-05	2.79900E-05
1.79800E-05	7.73100E-06
4.72000E-06	2.04300E-06
1.24900E-06	5.44600E-07
3.33700E-07	1.46100E-07
8.77000E-08	3.25800E-08
2.38700E-08	8.70000E-09

HLASKO & SALIT. BULL INTERN ACAD POLONAISE 1935A, 189

MASS FRACTION

CONDUCTIVITY

1.50000E-01	5.92100E-01
2.00000E-01	7.16300E-01
2.50000E-01	7.93000E-01
3.00000E-01	8.23700E-01
3.50000E-01	8.12300E-01
4.00000E-01	7.68600E-01
4.50000E-01	7.03200E-01

VINAL & CRAIG. J RESEARCH NATL BUR STANDARDS 13, 689 (1934)

MASS FRACTION

CONDUCTIVITY

5.00000E-02	2.24000E-01
1.00000E-01	4.28000E-01
1.50000E-01	5.97000E-01
2.00000E-01	7.19000E-01
2.50000E-01	7.96000E-01
3.00000E-01	8.23000E-01
3.50000E-01	8.10000E-01
4.00000E-01	7.63000E-01
4.50000E-01	6.95000E-01

5.00000E-01	6.15000E-01
5.50000E-01	5.24000E-01
6.00000E-01	4.28000E-01
6.50000E-01	3.36000E-01
7.00000E-01	2.53000E-01
7.50000E-01	1.82000E-01
8.00000E-01	1.37000E-01
8.50000E-01	1.23000E-01
9.00000E-01	1.32000E-01
9.50000E-01	1.31000E-01

ROUGHTON. J APPLIED CHEM (LONDON) 1, SUPPL ISSUE NO 2, S141 (1951)

MOLALITY

TRANSFERENCE NUMBER

5.00000E-02	8.19000E-01
1.00000E-01	8.19000E-01
2.00000E-01	8.19000E-01
5.00000E-01	8.15000E-01
1.00000E+00	8.08000E-01
2.00000E+00	7.93000E-01
3.00000E+00	7.76000E-01
5.00000E+00	7.44000E-01
8.00000E+00	6.90000E-01
1.00000E+01	6.55000E-01
1.20000E+01	6.16000E-01
1.40000E+01	5.73000E-01
1.70000E+01	5.02000E-01

HAMER. JACS 57, 662 (1935)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	8.13200E-01
1.00000E-02	8.13200E-01

FERGUSON & FRANCE. J AM CHEM SOC 43, 2150 (1921)

CONCENTRATION

DIFFUSION COEFFICIENT

1.01200E-01	1.82500E-05
1.97800E-01	1.80000E-05
2.95600E-01	1.79500E-05
3.92700E-01	1.80900E-05
4.96800E-01	1.81800E-05
5.85200E-01	1.83500E-05
7.79000E-01	1.89500E-05
9.63700E-01	1.96400E-05
1.14760E+00	1.99300E-05
1.43300E+00	2.07500E-05
1.83080E+00	2.20900E-05
2.27900E+00	2.34200E-05
2.68240E+00	2.48400E-05
3.44770E+00	2.70500E-05
4.80460E+00	2.85500E-05

SAVINO & VITAGLIANO. RIC SCI REND, SEZ A2, 341 (1962)

CONCENTRATION

DIFFUSION COEFFICIENT

1.05500E-02	2.10000E-05
2.41500E-02	1.88000E-05

2.56500E-02	1.89000E-05
5.25500E-02	1.90000E-05
1.47500E-01	1.80000E-05
3.04500E-01	1.85000E-05
4.55500E-01	1.88000E-05
7.52000E-01	1.99000E-05
1.05400E+00	2.22000E-05
1.06400E+00	2.10000E-05

JAMES, HOLLINGSHEAD & GORDON. J CHEM PHYS 7, 89 (1939)

CONCENTRATION

DIFFUSION COEFFICIENT

2.25000E-02	1.94000E-05
4.00000E-02	1.88000E-05
9.00000E-02	1.83500E-05
1.60000E-01	1.81000E-05
3.60000E-01	1.86000E-05
6.40000E-01	1.94000E-05
1.00000E+00	2.05000E-05

HOLLINGSHEAD & GORDON. J CHEM PHYS 8, 423 (1940)

MOLALITY

GAMMA

1.00000E-01	2.65500E-01
2.00000E-01	2.09000E-01
3.00000E-01	1.82600E-01
5.00000E-01	1.55700E-01
7.00000E-01	1.41700E-01
1.00000E+00	1.31600E-01
1.50000E+00	1.26300E-01
2.00000E+00	1.27600E-01
2.50000E+00	1.33100E-01
3.00000E+00	1.42200E-01
3.50000E+00	1.54700E-01
4.00000E+00	1.70000E-01
4.50000E+00	1.87500E-01
5.00000E+00	2.08100E-01
5.50000E+00	2.31200E-01
6.00000E+00	2.56700E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

5.35500E-02	3.80000E-01
1.00000E-01	3.02000E-01
1.03500E-01	3.03000E-01
2.57900E-01	2.20000E-01
5.15400E-01	1.75000E-01
1.03600E+00	1.49000E-01
1.06500E+00	1.49000E-01
1.96400E+00	1.45000E-01
2.20600E+00	1.48000E-01
3.49900E+00	1.76000E-01

VOSBURGH & CRAIG. J AM CHEM SOC 51, 2009 (1929)

MOLALITY

GAMMA

5.00000E-02	4.88000E-01
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1.00000E-01	3.97000E-01
5.05000E-01	2.28000E-01
1.03100E+00	1.92000E-01
3.63700E+00	2.35000E-01
8.20400E+00	6.10000E-01

HARNED & AKERLOF. PHYSIK Z 27, 411 (1926)

MOLALITY	GAMMA
1.00000E-03	8.37000E-01
2.00000E-03	7.67000E-01
5.00000E-03	6.46000E-01
1.00000E-02	5.43000E-01
2.00000E-02	4.44000E-01

SHRAUDER & COWPERTHWAIT. J AM CHEM SOC 56, 2340 (1934)

MOLALITY	GAMMA
1.00000E-01	2.65500E-01
2.00000E-01	2.09000E-01
3.00000E-01	1.82600E-01
4.00000E-01	1.66600E-01
5.00000E-01	1.55700E-01
6.00000E-01	1.47700E-01
7.00000E-01	1.41700E-01
8.00000E-01	1.37400E-01
9.00000E-01	1.34200E-01
1.00000E+00	1.31600E-01
1.20000E+00	1.28300E-01
1.40000E+00	1.26600E-01
1.60000E+00	1.26000E-01
1.80000E+00	1.26400E-01
2.00000E+00	1.27600E-01
2.50000E+00	1.33100E-01
3.00000E+00	1.42200E-01
3.50000E+00	1.54700E-01
4.00000E+00	1.70000E-01
4.50000E+00	1.87500E-01
5.00000E+00	2.08100E-01
5.50000E+00	2.31200E-01
6.00000E+00	2.56700E-01
6.50000E+00	2.85200E-01
7.00000E+00	3.16600E-01
7.50000E+00	3.50000E-01
8.00000E+00	3.86000E-01
8.50000E+00	4.26000E-01
9.00000E+00	4.67000E-01
9.50000E+00	5.12000E-01
1.00000E+01	5.59000E-01
1.10000E+01	6.61000E-01
1.20000E+01	7.70000E-01
1.30000E+01	8.88000E-01
1.40000E+01	1.01700E+00
1.50000E+01	1.15400E+00
1.60000E+01	1.30000E+00
1.70000E+01	1.45000E+00
1.80000E+01	1.60800E+00
1.90000E+01	1.77100E+00
2.00000E+01	1.94000E+00
2.10000E+01	2.11400E+00

2.20000E+01 2.30000E+00
STOKES. TRANS FARADAY SOC 44, 295 (1948)

SULFURIC ACID IN WATER AT 35 DEGREES C
TEMP MS MO NU NU+ NU- Z+ Z-
35.000 98.080 18.015 3.0 2.0 1.0 1.0 -2.0

CONCENTRATION

DIFFUSION COEFFICIENT

2.25000E-02 2.35000E-05
4.00000E-02 2.31000E-05
9.00000E-02 2.26000E-05
1.60000E-01 2.25000E-05
3.60000E-01 2.29000E-05
6.40000E-01 2.39000E-05
HOLLINGSHEAD & GORDON. J CHEM PHYS 8, 423 (1940)

SULFURIC ACID IN WATER AT 50 DEGREES C
TEMP MS MO NU NU+ NU- Z+ Z-
50.000 98.080 18.015 3.0 2.0 1.0 1.0 -2.0

MASS FRACTION

DENSITY

-0. 9.88070E-01
8.95000E-02 1.04490E+00
1.71100E-01 1.10020E+00
2.41500E-01 1.15190E+00
3.08500E-01 1.20490E+00
4.34500E-01 1.31110E+00
5.31200E-01 1.40210E+00
5.57400E-01 1.42950E+00
6.04500E-01 1.46860E+00
6.76500E-01 1.55660E+00
7.26200E-01 1.61380E+00
7.54100E-01 1.64610E+00
8.29500E-01 1.72730E+00
9.28000E-01 1.79730E+00
9.62000E-01 1.80650E+00
CAMPBELL, KARTZMARK, BISSET & BEDNAS. CAN J CHEM 31, 303 (1953)

MASS FRACTION

VISCOSITY

-0. 5.46700E-01
8.95000E-02 5.80200E-01
1.71100E-01 7.82800E-01
2.41500E-01 9.35500E-01
3.08500E-01 1.12300E+00

4.34500E-01	1.67120E+00
5.31200E-01	2.34980E+00
5.57400E-01	2.64200E+00
6.04500E-01	3.07600E+00
6.76500E-01	4.46700E+00
7.26200E-01	5.89100E+00
7.54100E-01	6.86800E+00
8.29500E-01	9.54300E+00
9.28000E-01	9.69600E+00
9.62000E-01	9.95200E+00

CAMPBELL, KARTZMARK, BISSET & BEDNAS. CAN J CHEM 31, 303 (1953)

MASS FRACTION

CONDUCTIVITY

5.66000E-02	3.05800E-01
8.95000E-02	4.90100E-01
1.05300E-01	5.71400E-01
1.71100E-01	8.37700E-01
2.13800E-01	9.76700E-01
2.41500E-01	1.03380E+00
3.08500E-01	1.11170E+00
3.17600E-01	1.12340E+00
3.63000E-01	1.11330E+00
4.11200E-01	1.07250E+00
4.34500E-01	1.02580E+00
5.21500E-01	8.53200E-01
5.31200E-01	8.16900E-01
5.57400E-01	7.54100E-01
6.04500E-01	6.61600E-01
6.10400E-01	6.36400E-01
6.76500E-01	4.64200E-01
7.26200E-01	3.62000E-01
7.54100E-01	3.12500E-01
7.87000E-01	2.72900E-01
8.29500E-01	2.40300E-01
8.71300E-01	2.34700E-01
8.99900E-01	2.33000E-01
9.28000E-01	2.28500E-01
9.62000E-01	1.78200E-01

CAMPBELL, KARTZMARK, BISSET & BEDNAS. CAN J CHEM 31, 303 (1953)

POTASSIUM BROMIDE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	119.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.99871E-01
2.50000E-04	9.99890E-01
5.00000E-04	9.99940E-01
1.00000E-03	9.99950E-01
2.00000E-03	1.00004E+00
5.00000E-03	1.00032E+00
1.00000E-02	1.00077E+00

2.00000E-02	1.00165E+00
5.00000E-02	1.00435E+00
1.00000E-01	1.00869E+00
2.00000E-01	1.01747E+00
5.00000E-01	1.04353E+00
1.00000E+00	1.08629E+00
2.00000E+00	1.17007E+00
2.98978E+00	1.25120E+00
3.75000E+00	1.31269E+00

JONES & STAUFFER. JACS 62, 335 (1940)

CONCENTRATION	RELATIVE VISCOSITY
2.50000E-04	1.00007E+00
5.00000E-04	1.00005E+00
1.00000E-03	9.99920E-01
2.00000E-03	9.99850E-01
5.00000E-03	9.99500E-01
1.00000E-02	9.98960E-01
2.00000E-02	9.97600E-01
5.00000E-02	9.93300E-01
1.00000E-01	9.86350E-01
2.00000E-01	9.72840E-01
5.00000E-01	9.36490E-01
1.00000E+00	8.88660E-01
2.00000E+00	8.28820E-01
2.98978E+00	8.03630E-01
3.75000E+00	8.02340E-01

JONES & STAUFFER. JACS 62, 335 (1940)

CONCENTRATION	MOLAR CONDUCTANCE
2.50000E-04	8.25700E+01
3.60000E-04	8.24300E+01
5.00000E-04	8.22600E+01
7.50000E-04	8.20400E+01
1.00000E-03	8.18700E+01
1.60000E-03	8.14800E+01
2.00000E-03	8.13200E+01
5.00000E-03	8.02000E+01
1.00000E-02	7.90600E+01
2.00000E-02	7.76100E+01
5.00000E-02	7.52500E+01
1.00000E-01	7.32300E+01
2.00000E-01	7.12200E+01
5.00000E-01	6.90800E+01
1.00000E+00	6.81500E+01
2.00000E+00	6.73900E+01
3.00000E+00	6.58500E+01
3.75000E+00	6.40100E+01

JONES & BICKFORD. JACS 56, 602 (1934)

POTASSIUM BROMIDE IN WATER AT 15 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-

15.000 119.010 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.22810E+02
5.00000E-04	1.21190E+02
1.00000E-03	1.20540E+02
2.00000E-03	1.19660E+02
5.00000E-03	1.18000E+02
1.00000E-02	1.16280E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

POTASSIUM BROMIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	119.010	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

1.10400E-01	1.00640E+00
5.29400E-01	1.04060E+00
9.67800E-01	1.07500E+00
1.50950E+00	1.11560E+00
2.49720E+00	1.18520E+00
3.00130E+00	1.21870E+00
3.58010E+00	1.25530E+00
4.53540E+00	1.31310E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

RELATIVE DENSITY

1.00000E-03	1.00009E+00
2.00000E-03	1.00016E+00
5.00000E-03	1.00042E+00
1.00050E-02	1.00084E+00
2.00010E-02	1.00170E+00
5.00010E-02	1.00426E+00
9.98990E-02	1.00849E+00
1.99882E-01	1.01696E+00
4.99927E-01	1.04219E+00
9.59172E-01	1.08045E+00
9.98357E-01	1.08372E+00
1.99983E+00	1.16603E+00
2.00309E+00	1.16617E+00
3.03093E+00	1.24959E+00
3.74927E+00	1.30726E+00

JONES & TALLEY. JACS 55, 4124 (1933)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-03	1.00010E+00
2.00000E-03	1.00010E+00
5.00000E-03	1.00009E+00

1.00050E-02	9.99980E-01
2.00010E-02	9.99720E-01
5.00010E-02	9.98740E-01
9.98990E-02	9.96780E-01
1.99882E-01	9.92870E-01
4.99927E-01	9.81800E-01
9.59172E-01	9.68850E-01
9.98357E-01	9.67980E-01
1.99983E+00	9.57560E-01
2.00309E+00	9.57440E-01
3.03093E+00	9.69530E-01
3.74927E+00	9.91770E-01

JONES & TALLEY. JACS 55, 4124 (1933)

MOLALITY

VISCOSITY

1.10400E-01	8.85300E-01
5.29400E-01	8.75200E-01
9.67800E-01	8.64700E-01
1.50950E+00	8.58300E-01
2.49720E+00	8.56100E-01
3.00130E+00	8.60700E-01
3.58010E+00	8.69300E-01
4.53540E+00	8.93200E-01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

CONDUCTIVITY

5.00000E-02	6.88000E-03
1.00000E-01	1.30100E-02
2.50000E-01	3.07000E-02
5.00000E-01	5.85000E-02
1.00000E+00	1.11700E-01

KONDRATEV & GORBACHEV. ZH FIZ KHIM 39, 2993 (1965)

CONCENTRATION

MOLAR CONDUCTANCE

2.50000E-04	1.50160E+02
3.60000E-04	1.49870E+02
5.00000E-04	1.49550E+02
7.50000E-04	1.49120E+02
1.00000E-03	1.48780E+02
1.60000E-03	1.48020E+02
2.00000E-03	1.47640E+02
5.00000E-03	1.45470E+02
1.00000E-02	1.43150E+02
2.00000E-02	1.40260E+02
5.00000E-02	1.35440E+02
1.00000E-01	1.31190E+02
2.00000E-01	1.26590E+02
5.00000E-01	1.20350E+02
1.00000E+00	1.15460E+02
2.00000E+00	1.09370E+02
3.00000E+00	1.03550E+02
3.75000E+00	9.87000E+01

JONES & BICKFORD. JACS 56, 602 (1934)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.51640E+02
5.00000E-04	1.49570E+02
1.00000E-03	1.48750E+02
2.00000E-03	1.47610E+02
5.00000E-03	1.45460E+02
1.00000E-02	1.43200E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

NORMALITY

	TRANSFERENCE NUMBER
1.00000E-02	4.94300E-01
2.00000E-02	4.93300E-01
5.00000E-02	4.93300E-01
1.00000E-01	4.92300E-01
2.00000E-01	4.91300E-01
5.00000E-01	4.87300E-01
1.00000E+00	4.86300E-01
1.50000E+00	4.85300E-01
2.00000E+00	4.85300E-01
3.00000E+00	4.84300E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

	TRANSFERENCE NUMBER
1.00000E-01	4.83400E-01

MACINNES & LONGSWORTH. CHEM REV 11, 171 (1932)

CONCENTRATION

	TRANSFERENCE NUMBER
1.00000E-02	4.83300E-01
2.00000E-02	4.83200E-01
5.00000E-02	4.83100E-01
1.00000E-01	4.83300E-01
2.00000E-01	4.84100E-01

LONGSWORTH. JACS 57, 1185 (1935)

CONCENTRATION

	TRANSFERENCE NUMBER
1.00000E-01	4.85000E-01

MACINNES & SMITH. JACS 45, 2246 (1923)

CONCENTRATION

	DIFFUSION COEFFICIENT
0.	2.01800E-05
5.00000E-02	1.89200E-05
1.00000E-01	1.87400E-05
2.00000E-01	1.87000E-05
3.00000E-01	1.87200E-05
5.00000E-01	1.88500E-05
7.00000E-01	1.91700E-05
1.00000E+00	1.97500E-05
1.50000E+00	2.06200E-05
2.00000E+00	2.13200E-05
2.50000E+00	2.19900E-05
3.00000E+00	2.28000E-05
3.50000E+00	2.35400E-05

4.00000E+00 2.43400E-05
STOKES. JACS 72, 2243 (1950)

MOLALITY

GAMMA

1.00000E-01	7.72000E-01
2.00000E-01	7.22000E-01
3.00000E-01	6.93000E-01
4.00000E-01	6.73000E-01
5.00000E-01	6.57000E-01
6.00000E-01	6.46000E-01
7.00000E-01	6.36000E-01
8.00000E-01	6.29000E-01
9.00000E-01	6.22000E-01
1.00000E+00	6.17000E-01
1.20000E+00	6.08000E-01
1.40000E+00	6.02000E-01
1.60000E+00	5.98000E-01
1.80000E+00	5.95000E-01
2.00000E+00	5.93000E-01
2.50000E+00	5.93000E-01
3.00000E+00	5.95000E-01
3.50000E+00	6.00000E-01
4.00000E+00	6.08000E-01
4.50000E+00	6.16000E-01
5.00000E+00	6.26000E-01
5.50000E+00	6.36000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

POTASSIUM BROMIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	119.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.82240E+02
5.00000E-04	1.79680E+02
1.00000E-03	1.78660E+02
2.00000E-03	1.77260E+02
5.00000E-03	1.74620E+02
1.00000E-02	1.71860E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

POTASSIUM BROMIDE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	119.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION EQUIVALENT CONDUCTANCE

-0.	2.14170E+02
5.00000E-04	2.11060E+02
1.00000E-03	2.09830E+02
2.00000E-03	2.08120E+02
5.00000E-03	2.04900E+02
1.00000E-02	2.01520E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

POTASSIUM BROMATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	167.010	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION DENSITY

2.00100E-03	9.97315E-01
5.00000E-03	9.97698E-01
1.00000E-02	9.98294E-01
2.00000E-02	9.99519E-01
5.29940E-02	1.00356E+00
9.99990E-02	1.00928E+00

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION RELATIVE VISCOSITY

2.00100E-03	1.00026E+00
5.00000E-03	1.00045E+00
1.00000E-02	1.00059E+00
2.00000E-02	1.00077E+00
5.29940E-02	1.00125E+00
9.99990E-02	1.00176E+00

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION EQUIVALENT CONDUCTANCE

-0.	1.29280E+02
4.63480E-05	1.28760E+02
1.31360E-04	1.28240E+02
2.68640E-04	1.27760E+02
4.89840E-04	1.27210E+02
8.49010E-04	1.26560E+02
1.15210E-03	1.28350E+02
5.20330E-04	1.27190E+02
9.40950E-04	1.26450E+02

DAGGETT, BAIR & KRAUS. JACS 73, 799 (1951)

POTASSIUM FORMATE IN WATER AT 50.5 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.500	84.120	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.87800E-01
3.96700E+00	1.16000E+00
5.64300E+00	1.23200E+00
9.45200E+00	1.39200E+00

RICE & KRAUS. PROC NAT ACAD SCI 39, 802 (1953)

CONCENTRATION

VISCOSITY

-0.	5.44900E-01
1.51600E+00	6.24500E-01
3.12500E+00	7.29600E-01
4.19900E+00	8.27700E-01
6.09000E+00	1.02800E+00
8.22400E+00	1.46300E+00
1.03800E+01	2.21600E+00
1.22600E+01	3.40300E+00
1.39500E+01	5.17300E+00
1.56400E+01	8.22300E+00

RICE & KRAUS. PROC NAT ACAD SCI 39, 802 (1953)

CONCENTRATION

MOLAR CONDUCTANCE

1.03800E-02	1.79800E+02
1.97300E-02	1.76600E+02
7.47100E-02	1.68700E+02
1.54300E-01	1.61600E+02
2.72200E-01	1.54200E+02
5.99900E-01	1.42200E+02
1.32500E+00	1.26400E+02
2.40400E+00	1.10400E+02
3.49200E+00	9.61700E+01
6.50300E+00	6.30300E+01
8.60200E+00	4.42400E+01
1.04500E+01	3.08200E+01
1.36600E+01	1.46500E+01
1.55200E+01	9.78000E+00

RICE & KRAUS. PROC NAT ACAD SCI 39, 802 (1953)

POTASSIUM ACETATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	98.150	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

RELATIVE DENSITY

3.01000E-02	1.00156E+00
6.22000E-02	1.00301E+00

9.29000E-02	1.00450E+00
1.43900E-01	1.00692E+00
2.67800E-01	1.01283E+00
4.30700E-01	1.02056E+00
6.29100E-01	1.02981E+00
8.48100E-01	1.03998E+00
1.14670E+00	1.05349E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

3.01000E-02	1.00760E+00
6.22000E-02	1.01500E+00
9.29000E-02	1.02200E+00
1.43900E-01	1.03370E+00
2.67800E-01	1.06170E+00
4.30700E-01	1.09960E+00
6.29100E-01	1.14800E+00
8.48100E-01	1.20360E+00
1.14670E+00	1.28350E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

POTASSIUM CHLORIDE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
0.	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

NORMALITY

DENSITY

1.00000E+00	1.04800E+00
2.00000E+00	1.09350E+00
3.00000E+00	1.13710E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

DENSITY

7.50000E-03	1.00500E+00
3.62000E-02	1.02270E+00
7.15000E-02	1.04760E+00
1.96300E-01	1.13820E+00
4.49680E-02	1.03070E+00
7.54400E-02	1.05200E+00
1.10757E-01	1.07680E+00
1.44707E-01	1.10170E+00
1.77214E-01	1.12570E+00
2.07840E-01	1.14880E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

DENSITY

2.16700E-01	1.18214E+00
1.54400E-01	1.10664E+00
1.15500E-01	1.07902E+00

6.57000E-02	1.04433E+00
4.93000E-02	1.03264E+00
2.00000E-02	1.01340E+00
1.23000E-02	1.00832E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

NORMALITY

DENSITY

4.50000E-01	1.00053E+00
6.50000E-01	1.00917E+00
8.50000E-01	1.01804E+00
9.00000E-01	1.03974E+00
1.30000E+00	1.06051E+00
1.70000E+00	1.07712E+00
2.10000E+00	1.09783E+00
2.59450E+00	1.12102E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

VISCOSITY

6.73000E-02	1.65530E+00
1.30200E-01	1.60990E+00
1.81500E-01	1.56990E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

CONCENTRATION

RELATIVE VISCOSITY

1.00000E+00	9.31000E-01
2.00000E+00	8.86000E-01
3.00000E+00	8.80000E-01

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

CONCENTRATION

CONDUCTIVITY

1.00330E+00	6.54300E-02
1.00210E-01	7.15430E-03

LANDOLT-BORNSTEIN. VOL. 2, PART 7 (1960)

CONCENTRATION

MOLAR CONDUCTANCE

5.00000E-04	8.08000E+01
1.00000E-03	8.03000E+01
2.00000E-03	7.97000E+01
5.00000E-03	7.85000E+01
1.00000E-02	7.74000E+01
2.00000E-02	7.59000E+01
5.00000E-02	7.39000E+01
1.00000E-01	7.15000E+01
2.00000E-01	6.91000E+01
5.00000E-01	6.66000E+01

LANDOLT-BORNSTEIN. VOL. 2, PART 7 (1960)

CONCENTRATION

MOLAR CONDUCTANCE

2.02101E-03	7.96040E+01
4.04240E-03	7.87680E+01

7.21250E-03 7.79130E+01
 9.60342E-03 7.74480E+01
 BREMNER, THOMPSON & UTTERBACK. J AM CHEM SOC 61, 1219 (1939)

CONCENTRATION

TRANSFERENCE NUMBER

1.22350E-02 4.96200E-01
 2.00380E-02 4.94300E-01
 3.08460E-02 4.95300E-01
 4.12810E-02 4.95700E-01
 5.17190E-02 4.95700E-01
 STEEL. J PHYS CHEM 69, 3208 (1965)

MOLALITY

TRANSFERENCE NUMBER

1.00000E-02 4.90000E-01
 5.00000E-02 4.89000E-01
 1.00000E-01 4.88000E-01
 2.00000E-01 4.88000E-01
 3.00000E-01 4.88000E-01
 5.00000E-01 4.87000E-01
 1.00000E+00 4.87000E-01
 1.50000E+00 4.86000E-01
 2.00000E+00 4.86000E-01
 2.50000E+00 4.86000E-01
 3.00000E+00 4.86000E-01
 3.50000E+00 4.86000E-01
 VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT

9.96000E-02 9.24000E-06
 1.98800E-01 9.20000E-06
 2.94600E-01 9.21000E-06
 3.95600E-01 9.24000E-06
 4.95300E-01 9.28000E-06
 5.90500E-01 9.33000E-06
 9.74100E-01 9.60000E-06
 1.44120E+00 9.98000E-06
 1.89510E+00 1.03400E-05
 2.33490E+00 1.07400E-05
 2.76310E+00 1.10900E-05
 VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0. 1.00000E+00
 9.96000E-02 9.05500E-01
 1.98800E-01 8.91800E-01
 2.94600E-01 8.86200E-01
 3.95600E-01 8.83700E-01
 4.95300E-01 8.83300E-01
 5.90500E-01 8.84100E-01
 9.74100E-01 8.95500E-01
 1.44120E+00 9.21800E-01
 1.89510E+00 9.58100E-01
 2.33490E+00 1.00360E+00
 2.76310E+00 1.05610E+00

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

MOLALITY

GAMMA

5.00000E-02	8.21000E-01
1.00000E-01	7.70000E-01
2.00000E-01	7.17000E-01
3.00000E-01	6.85000E-01
5.00000E-01	6.44000E-01
1.00000E+00	5.89000E-01
1.50000E+00	5.63000E-01
2.00000E+00	5.49000E-01
2.50000E+00	5.42000E-01
3.00000E+00	5.40000E-01
3.50000E+00	5.41000E-01

CARAMAZZA. GAZ CHIM ITAL 90, 1721 (1960)

POTASSIUM CHLORIDE IN WATER AT 4 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
4.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DIFFUSION COEFFICIENT

1.66000E-02	1.08000E-05
1.68000E-01	1.03800E-05
3.07000E-01	1.03600E-05
3.79000E-01	1.03700E-05
5.58000E-01	1.04200E-05

HARNED & BLAKE. JACS 72, 2265 (1950)

POTASSIUM CHLORIDE IN WATER AT 5 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
5.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

MOLAR CONDUCTANCE

8.70000E-04	9.26400E+01
2.13740E-03	9.17300E+01
4.06940E-03	9.08400E+01
7.33320E-03	8.97900E+01
1.14479E-02	8.88200E+01
1.45221E-02	8.82500E+01
1.99284E-02	8.74100E+01
2.73940E-02	8.65000E+01
1.36330E-03	9.22300E+01
2.79620E-03	9.13900E+01
4.85990E-03	9.05400E+01

6.91140E-03	8.99100E+01
1.10372E-02	8.89000E+01
1.46232E-02	8.82300E+01
1.92367E-02	8.75100E+01

OWEN & ZELDES. J CHEM PHYS 18, 1083 (1950)

POTASSIUM CHLORIDE IN WATER AT 10 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
10.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

5.04100E-01	1.02350E+00
9.91000E-01	1.04510E+00
2.04760E+00	1.08840E+00
2.49680E+00	1.10560E+00
3.00130E+00	1.12410E+00
3.53270E+00	1.14290E+00
3.96180E+00	1.15750E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

5.04100E-01	1.27510E+00
9.91000E-01	1.25510E+00
2.04760E+00	1.23370E+00
2.49680E+00	1.23260E+00
3.00130E+00	1.23400E+00
3.53270E+00	1.24110E+00
3.96180E+00	1.25170E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

2.93000E+00	9.84000E-01
5.90200E+00	9.70000E-01
8.91700E+00	9.59000E-01
1.19750E+01	9.52000E-01
1.50800E+01	9.49000E-01
1.82300E+01	9.48000E-01
2.14200E+01	9.50000E-01
2.46600E+01	9.56000E-01
2.79500E+01	9.65000E-01
3.12960E+01	9.75000E-01

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

POTASSIUM CHLORIDE IN WATER AT 15 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
15.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

RELATIVE DENSITY

1.00000E-03	1.00005E+00
2.50000E-03	1.00012E+00
5.00000E-03	1.00025E+00
1.00000E-02	1.00049E+00
2.00100E-02	1.00098E+00
4.00300E-02	1.00196E+00
5.00500E-02	1.00245E+00
1.00090E-01	1.00487E+00
2.00190E-01	1.00966E+00
5.00520E-01	1.02378E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-03	1.00011E+00
2.50000E-03	1.00014E+00
5.00000E-03	1.00015E+00
1.00000E-02	1.00011E+00
2.00100E-02	9.99900E-01
4.00300E-02	9.99410E-01
5.00500E-02	9.99160E-01
1.00090E-01	9.97630E-01
2.00190E-01	9.94370E-01
5.00520E-01	9.84220E-01

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.06500E+00	9.82000E-01
6.17500E+00	9.73000E-01
9.33200E+00	9.68000E-01
1.25370E+01	9.67000E-01
1.57900E+01	9.68000E-01
1.90940E+01	9.71000E-01
2.24490E+01	9.76000E-01
2.58560E+01	9.83000E-01
2.93200E+01	9.92000E-01
3.28300E+01	1.00700E+00

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

CONCENTRATION

MOLAR CONDUCTANCE

2.23120E-03	1.17430E+02
3.07370E-03	1.17090E+02
5.71830E-03	1.15820E+02
6.27280E-03	1.15700E+02
9.99250E-03	1.14290E+02
1.16570E-02	1.13830E+02
1.26960E-02	1.13640E+02
2.36930E-02	1.11250E+02
4.74860E-02	1.08360E+02
5.04810E-02	1.08090E+02
9.91950E-02	1.04790E+02

9.92090E-02 1.04730E+02
LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION

MOLAR CONDUCTANCE

5.12350E-04	1.19410E+02
9.85760E-04	1.18740E+02
2.18350E-03	1.17650E+02
3.27580E-03	1.16970E+02
4.88980E-03	1.16110E+02
7.19380E-03	1.15190E+02
9.71480E-03	1.14400E+02
0.	1.21090E+02
5.00000E-04	1.19420E+02
1.00000E-03	1.18740E+02
2.00000E-03	1.17800E+02
5.00000E-03	1.16060E+02
1.00000E-02	1.14330E+02

GUNNING & GORDON. J CHEM PHYS 10, 126 (1942)

CONCENTRATION

MOLAR CONDUCTANCE

0.	1.21070E+02
5.00000E-04	1.19400E+02
1.00000E-03	1.18720E+02
2.00000E-03	1.17780E+02
5.00000E-03	1.16040E+02
1.00000E-02	1.14310E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION

TRANSFERENCE NUMBER

5.00000E-03	4.92600E-01
1.00000E-02	4.92500E-01
2.00000E-02	4.92400E-01
5.00000E-02	4.92300E-01
1.00000E-01	4.92100E-01

ALLGODD, LEROY & GORDON. J CHEM PHYS 8, 418 (1940)

MOLALITY

DIFFUSION COEFFICIENT

1.00000E+00	1.48300E-05
2.00000E+00	1.57200E-05
3.00000E+00	1.66300E-05
4.00000E+00	1.74300E-05

LONGSWORTH. J PHYS CHEM 61, 1557 (1957)

POTASSIUM CHLORIDE IN WATER AT 18 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
18.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

	DENSITY
0.	9.98630E-01
9.47000E-02	1.06030E+00
1.82700E-01	1.12120E+00
2.33200E-01	1.15850E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

	DENSITY
7.50500E-02	1.04820E+00
1.19580E-01	1.07810E+00
1.70980E-01	1.11380E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

	DENSITY
2.29000E-02	1.01350E+00
5.84300E-02	1.03700E+00
8.71700E-02	1.05600E+00
1.24810E-01	1.08130E+00
1.85210E-01	1.12380E+00
4.96000E-02	1.01990E+00
9.44000E-02	1.05840E+00
1.36800E-01	1.09700E+00
1.76100E-01	1.13550E+00
2.17700E-01	1.14840E+00
2.57900E-01	1.16140E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

	DENSITY
2.10000E-01	1.14094E+00
2.00000E-01	1.13375E+00
1.90000E-01	1.12651E+00
1.80000E-01	1.11935E+00
1.70000E-01	1.11228E+00
1.50095E-01	1.09820E+00
1.29993E-01	1.08434E+00
1.20010E-01	1.07753E+00
1.14589E-01	1.07387E+00
1.00001E-01	1.06407E+00
9.00260E-02	1.05732E+00
7.13830E-02	1.04492E+00
5.99980E-02	1.03745E+00
4.00016E-02	1.02437E+00
3.00030E-02	1.01794E+00
2.00000E-02	1.01148E+00
1.00005E-02	1.00507E+00
0.	9.98660E-01

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

NORMALITY

	DENSITY
0.	9.98600E-01
1.00000E-01	1.00340E+00
2.00000E-01	1.00813E+00
5.00000E-01	1.02217E+00

1.00000E+00	1.04480E+00
2.00000E+00	1.08870E+00
3.00000E+00	1.13160E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

DENSITY

0.	9.98700E-01
8.71000E-03	1.00430E+00
2.48000E-02	1.01460E+00
4.88000E-02	1.03000E+00
7.51000E-02	1.04810E+00
9.82000E-02	1.06310E+00
1.50300E-01	1.09830E+00
1.99400E-01	1.13340E+00
2.55200E-01	1.17470E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

CONCENTRATION

DENSITY

1.00000E-01	1.00341E+00
2.00000E-01	1.00814E+00
5.00000E-01	1.02215E+00
1.00000E+00	1.04490E+00

GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905).

MASS FRACTION

DENSITY

5.00000E-02	1.03090E+00
1.00000E-01	1.06390E+00
1.50000E-01	1.09780E+00
2.10000E-01	1.14100E+00
5.00000E-02	1.03080E+00
1.00000E-01	1.06380E+00
1.50000E-01	1.09780E+00
2.00000E-01	1.13350E+00
2.50000E-01	1.14080E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

VISCOSITY

2.10000E-01	1.05670E+00
1.80047E-01	1.04700E+00
1.50095E-01	1.03970E+00
1.29993E-01	1.03330E+00
1.20010E-01	1.03480E+00
1.14589E-01	1.03280E+00
1.00001E-01	1.03360E+00
9.00260E-02	1.03570E+00
5.99980E-02	1.03930E+00
4.00016E-02	1.04190E+00
3.00030E-02	1.04450E+00
2.00000E-02	1.04650E+00
1.00005E-02	1.05040E+00
-0.	1.05140E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.15000E+00	9.91000E-01
6.34500E+00	9.83000E-01
9.59200E+00	9.80000E-01
1.28880E+01	9.81000E-01
1.62370E+01	9.84000E-01
1.96380E+01	9.89000E-01
2.30940E+01	9.96000E-01
2.66050E+01	1.00500E+00
3.01730E+01	1.01800E+00
3.38000E+01	1.03500E+00

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

MOLALITY

VISCOSITY

9.54000E-01	1.04500E+00
2.00000E+00	1.04400E+00
2.99600E+00	1.05200E+00
3.99400E+00	1.07500E+00

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-01	9.98230E-01
2.00000E-01	9.95940E-01
5.00000E-01	9.89750E-01
1.00000E+00	9.82000E-01

GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

RELATIVE VISCOSITY

1.46100E+00	9.88000E-01
3.42400E+00	1.01400E+00

GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

MOLAR CONDUCTANCE

1.00000E-05	1.29573E+02
2.00000E-05	1.29511E+02
3.00000E-05	1.29446E+02
4.00000E-05	1.29384E+02
5.00000E-05	1.29320E+02
6.00000E-05	1.29258E+02
7.00000E-05	1.29197E+02
8.00000E-05	1.29138E+02
9.00000E-05	1.29081E+02
1.00000E-04	1.29029E+02
2.00000E-04	1.28676E+02
3.00000E-04	1.28451E+02
4.00000E-04	1.28244E+02
5.00000E-04	1.28048E+02
6.00000E-04	1.27869E+02
7.00000E-04	1.27710E+02
8.00000E-04	1.27551E+02
9.00000E-04	1.27400E+02
1.00000E-03	1.27258E+02
6.91000E-01	9.99000E+01

1.42700E+00	9.52000E+01
2.20800E+00	9.15000E+01
3.03900E+00	8.89000E+01
3.21300E+00	8.75000E+01

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

MOLALITY

CONDUCTIVITY	
9.54000E-01	9.15000E-02
2.00000E+00	1.76000E-01
2.99600E+00	2.45500E-01
3.99400E+00	3.04800E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

MOLALITY

TRANSFERENCE NUMBER	
1.00000E-02	4.88000E-01
5.00000E-02	4.87000E-01
1.00000E-01	4.87000E-01
2.00000E-01	4.87000E-01
3.00000E-01	4.86000E-01
5.00000E-01	4.86000E-01
1.00000E+00	4.86000E-01
1.50000E+00	4.86000E-01
2.00000E+00	4.85000E-01
2.50000E+00	4.85000E-01
3.00000E+00	4.85000E-01
3.50000E+00	4.85000E-01
4.00000E+00	4.85000E-01

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT	
6.38000E-02	1.56900E-05
9.95000E-02	1.56000E-05
1.49000E-01	1.55200E-05
2.03400E-01	1.55000E-05
2.96900E-01	1.55100E-05
3.94800E-01	1.55200E-05
5.88900E-01	1.56400E-05
7.80000E-01	1.58000E-05
9.32600E-01	1.59300E-05
1.13380E+00	1.61200E-05
1.43260E+00	1.64000E-05
1.88640E+00	1.68500E-05
2.32420E+00	1.73000E-05
2.74890E+00	1.77800E-05
3.16020E+00	1.82200E-05
3.34810E+00	1.84300E-05

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)	
0.	1.00000E+00
6.38000E-02	9.16000E-01
9.95000E-02	9.07100E-01
1.49000E-01	9.00500E-01
2.03400E-01	8.96700E-01

2.96900E-01	8.94500E-01
3.94800E-01	8.95200E-01
5.88900E-01	9.00800E-01
7.80000E-01	9.09200E-01
9.32600E-01	9.17100E-01
1.13380E+00	9.28800E-01
1.43260E+00	9.48300E-01
1.88640E+00	9.82100E-01
2.32420E+00	1.01890E+00
2.74890E+00	1.05830E+00
3.16020E+00	1.10000E+00
3.34810E+00	1.12000E+00

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

MOLALITY

GAMMA

5.00000E-02	8.15000E-01
1.00000E-01	7.68000E-01
2.00000E-01	7.17000E-01
3.00000E-01	6.86000E-01
5.00000E-01	6.49000E-01
1.00000E+00	6.02000E-01
1.50000E+00	5.79000E-01
2.00000E+00	5.70000E-01
2.50000E+00	5.65000E-01
3.00000E+00	5.64000E-01
3.50000E+00	5.67000E-01
4.00000E+00	5.71000E-01

CARAMAZZA. GAZ CHIM ITAL 90, 1721 (1960)

POTASSIUM CHLORIDE IN WATER AT 20 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
20.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

RELATIVE DENSITY

1.00000E-03	1.00005E+00
2.50000E-03	1.00012E+00
5.00000E-03	1.00024E+00
1.00000E-02	1.00049E+00
2.00000E-02	1.00097E+00
4.00000E-02	1.00194E+00
5.00000E-02	1.00242E+00
1.00000E-01	1.00482E+00
2.00000E-01	1.00956E+00
5.00000E-01	1.02356E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

MOLALITY

DENSITY

9.88000E-02	1.00290E+00
5.04100E-01	1.02150E+00
9.91000E-01	1.04270E+00

1.50970E+00	1.06410E+00
2.04760E+00	1.08530E+00
2.49680E+00	1.10220E+00
3.00130E+00	1.12050E+00
3.53270E+00	1.13900E+00
3.96180E+00	1.15330E+00
4.69340E+00	1.17680E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

DENSITY

1.03130E+00	1.04434E+00
1.99830E+00	1.08330E+00
4.45180E+00	1.16850E+00

TOLLERT & D*ANS. ANGEWANDTE CHEMIE 52, 472 (1939)

MOLALITY

VISCOSITY

9.88000E-02	1.00070E+00
5.04100E-01	9.93300E-01
9.91000E-01	9.88200E-01
1.50970E+00	9.87300E-01
2.04760E+00	9.88400E-01
2.49680E+00	9.94900E-01
3.00130E+00	1.00250E+00
3.53270E+00	1.01450E+00
3.96180E+00	1.02610E+00
4.69340E+00	1.04950E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-03	1.00014E+00
2.50000E-03	1.00020E+00
5.00000E-03	1.00023E+00
1.00000E-02	1.00024E+00
2.00000E-02	1.00021E+00
4.00000E-02	9.99960E-01
5.00000E-02	9.99830E-01
1.00000E-01	9.98970E-01
2.00000E-01	9.97100E-01
5.00000E-01	9.91400E-01

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

MOLALITY

VISCOSITY

1.03130E+00	9.90900E-01
1.99830E+00	9.90100E-01
4.45180E+00	1.04730E+00

TOLLERT & D*ANS. ANGEWANDTE CHEMIE 52, 472 (1939)

MOLALITY

VISCOSITY

9.54000E-01	9.97000E-01
2.00000E+00	9.99000E-01
2.99600E+00	1.01000E+00
3.99400E+00	1.03400E+00

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

MOLALITY

CONDUCTIVITY

9.54000E-01	9.52000E-02
2.00000E+00	1.82600E-01
2.99600E+00	2.54300E-01
3.99400E+00	3.15200E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

CONCENTRATION

DIFFUSION COEFFICIENT

1.25000E-03	1.73600E-05
2.48000E-03	1.72450E-05
3.67000E-03	1.71900E-05
4.51000E-03	1.70900E-05
1.12100E-02	1.68850E-05

HARNED & NUTTALL. JACS 71, 1460 (1949)

POTASSIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

1.00000E-04	9.97078E-01
2.00000E-04	9.97081E-01
5.00000E-04	9.97094E-01
1.00000E-03	9.97117E-01
2.00000E-03	9.97161E-01
5.00000E-03	9.97306E-01
1.00000E-02	9.97540E-01
2.00000E-02	9.98018E-01
5.00000E-02	9.99440E-01
1.00000E-01	1.00179E+00
2.00000E-01	1.00646E+00
5.00000E-01	1.02028E+00
9.99960E-01	1.04286E+00
1.99908E+00	1.08675E+00
2.99647E+00	1.12925E+00

JONES & RAY. JACS 59, 187 (1937)

MOLALITY

RELATIVE DENSITY

1.00400E-01	1.00480E+00
2.50000E-01	1.01140E+00
5.03100E-01	1.02320E+00
7.48500E-01	1.03360E+00
1.01600E+00	1.04540E+00
1.46900E+00	1.06370E+00
2.09100E+00	1.08830E+00
2.10600E+00	1.08910E+00

2.60400E+00	1.10750E+00
3.91800E+00	1.15270E+00
3.95600E+00	1.15440E+00
4.15300E+00	1.16140E+00
4.27200E+00	1.16530E+00

NICKELS & ALLMAND. J PHYS CHEM 41, 861 (1937)

CONCENTRATION

	RELATIVE DENSITY
4.98450E-01	1.02322E+00
9.99718E-01	1.04595E+00
2.01151E+00	1.09059E+00
2.96208E+00	1.13127E+00

JONES & TALLEY. JACS 55, 4124 (1933)

CONCENTRATION

	DENSITY
2.00400E-03	9.97160E-01
5.01100E-03	9.97312E-01
1.00200E-02	9.97550E-01
2.00410E-02	9.98023E-01
3.50720E-02	9.98730E-01
5.01030E-02	9.99443E-01
7.51540E-02	1.00062E+00
1.00205E-01	1.00179E+00
1.50309E-01	1.00413E+00
2.00411E-01	1.00646E+00

JONES & TALLEY. JACS 55, 624 (1933)

MOLALITY

	DENSITY
5.04100E-01	1.02010E+00
9.91000E-01	1.04120E+00
2.04760E+00	1.08350E+00
2.49680E+00	1.10030E+00
3.00130E+00	1.11850E+00
3.53270E+00	1.13680E+00
3.96180E+00	1.15110E+00
4.69340E+00	1.17440E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

	DENSITY
8.00000E-01	1.03392E+00
2.00000E+00	1.08685E+00

LENGYEL & FEZLER. MAGY KEM FOLYOIRAT 69, 128 (1963)

CONCENTRATION

	RELATIVE DENSITY
1.01000E-01	1.00477E+00
1.81100E-01	1.00845E+00
2.71400E-01	1.01269E+00
4.06400E-01	1.01892E+00
6.88500E-01	1.03171E+00
1.01500E+00	1.04634E+00
1.31800E+00	1.05975E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

MOLALITY

RELATIVE VISCOSITY

1.00400E-01	1.00045E+00
2.50000E-01	9.99200E-01
5.03100E-01	9.97900E-01
7.48500E-01	9.97400E-01
1.01600E+00	9.97800E-01
1.46900E+00	1.00100E+00
2.09100E+00	1.00680E+00
2.10600E+00	1.00690E+00
2.60400E+00	1.01530E+00
3.91800E+00	1.05070E+00
3.95600E+00	1.05180E+00
4.15300E+00	1.06100E+00
4.27200E+00	1.06330E+00

NICKELS & ALLMAND. J PHYS CHEM 41, 861 (1937)

CONCENTRATION

RELATIVE VISCOSITY

4.98450E-01	9.97600E-01
9.99718E-01	9.97020E-01
2.01151E+00	1.00773E+00
2.96208E+00	1.03211E+00

JONES & TALLEY. JACS 55, 4124 (1933)

CONCENTRATION

RELATIVE VISCOSITY

2.00400E-03	1.00019E+00
5.01100E-03	1.00030E+00
1.00200E-02	1.00040E+00
2.00410E-02	1.00044E+00
3.50720E-02	1.00049E+00
5.01030E-02	1.00045E+00
7.51540E-02	1.00039E+00
1.00205E-01	1.00025E+00
1.50309E-01	9.99940E-01
2.00411E-01	9.99510E-01

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION

RELATIVE VISCOSITY

4.98500E-01	9.98000E-01
7.32100E-01	9.96000E-01
9.69200E-01	9.95000E-01
1.00000E+00	9.97000E-01
1.43300E+00	9.97000E-01
1.88300E+00	1.00200E+00
2.31800E+00	1.01000E+00
2.74200E+00	1.02100E+00
3.52800E+00	1.05300E+00
3.55000E+00	1.05400E+00
3.72800E+00	1.06400E+00
3.93200E+00	1.07800E+00
4.13200E+00	1.09300E+00
4.17400E+00	1.09700E+00

KUME & TANAKA. NIPPON KAGAKU ZASSHI 81, 534 (1960)

MOLALITY

VISCOSITY

9.54000E-01	8.93000E-01
2.00000E+00	9.01000E-01
2.99600E+00	9.17000E-01
3.99400E+00	9.42000E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

CONCENTRATION

RELATIVE VISCOSITY

1.01000E-01	1.00023E+00
1.81100E-01	1.00006E+00
2.71400E-01	9.99200E-01
4.06400E-01	9.98600E-01
6.88500E-01	9.97900E-01
1.01500E+00	9.97900E-01
1.31800E+00	1.00080E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

MOLALITY

VISCOSITY

5.04100E-01	8.87200E-01
9.91000E-01	8.88100E-01
2.04760E+00	8.96900E-01
2.49680E+00	9.03300E-01
3.00130E+00	9.13000E-01
3.53270E+00	9.25100E-01
3.96180E+00	9.38600E-01
4.69340E+00	9.61300E-01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

EQUIVALENT CONDUCTANCE

0.	1.49820E+02
1.00000E-04	1.48900E+02
2.00000E-04	1.48560E+02
5.00000E-04	1.47800E+02
1.00000E-03	1.46930E+02
2.00000E-03	1.45790E+02
5.00000E-03	1.43640E+02
1.00000E-02	1.41320E+02
2.00000E-02	1.38340E+02
5.00000E-02	1.33330E+02
1.00000E-01	1.28900E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

MOLALITY

CONDUCTIVITY

5.00000E-02	6.64000E-03
1.00000E-01	1.27300E-02
2.50000E-01	3.04000E-02
5.00000E-01	5.77000E-02
1.00000E+00	1.07800E-01

GORBACHEV & KONDRATEV. ZH FIZ KHIM 35, 1235 (1961)

MOLALITY

CONDUCTIVITY	
1.00400E-01	1.28800E-02
2.00400E-01	2.47800E-02
2.50000E-01	3.05530E-02
5.03100E-01	5.85540E-02
7.48500E-01	8.39000E-02
1.02700E+00	1.11590E-01
1.46900E+00	1.52900E-01
2.02600E+00	2.02110E-01
2.60400E+00	2.50450E-01
3.40100E+00	3.04860E-01
3.95600E+00	3.41800E-01
4.27200E+00	3.58250E-01

NICKELS & ALLMAND. J PHYS CHEM 41, 861 (1937)

CONCENTRATION	MOLAR CONDUCTANCE
5.50600E-04	1.47740E+02
1.56360E-03	1.46260E+02
3.74040E-03	1.44350E+02
7.06630E-03	1.42490E+02
9.20570E-03	1.41570E+02
1.30101E-02	1.40230E+02
1.77312E-02	1.38880E+02

OWEN & ZELDES. J CHEM PHYS 18, 1083 (1950)

CONCENTRATION	MOLAR CONDUCTANCE
5.03820E-04	1.47790E+02
1.01948E-03	1.46910E+02
1.94420E-03	1.45840E+02
3.80720E-03	1.44350E+02
4.77440E-03	1.43730E+02
7.32150E-03	1.42420E+02
1.00615E-02	1.41270E+02
0.	1.49880E+02
5.00000E-04	1.47790E+02
1.00000E-03	1.46950E+02
2.00000E-03	1.45790E+02
5.00000E-03	1.43590E+02
1.00000E-02	1.41300E+02

GUNNING & GORDON. J CHEM PHYS 10, 126 (1942)

CONCENTRATION	MOLAR CONDUCTANCE
1.15560E-04	1.48970E+02
2.69240E-04	1.48440E+02
5.24630E-04	1.47830E+02
8.90780E-04	1.47150E+02
1.00920E-03	1.46980E+02
3.34480E-04	1.48270E+02
5.09990E-04	1.47840E+02
7.36430E-04	1.47370E+02
8.99150E-04	1.47130E+02

DAGGETT, BAIR & KRAUS. JACS 73, 799 (1951)

MOLALITY
CONDUCTIVITY

9.54000E-01	1.04500E-01
2.00000E+00	1.99200E-01
2.99600E+00	2.76300E-01
3.99400E+00	3.41300E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

CONCENTRATION	
	MOLAR CONDUCTANCE
0.	1.49850E+02
5.00000E-04	1.47760E+02
1.00000E-03	1.46920E+02
2.00000E-03	1.45760E+02
5.00000E-03	1.43560E+02
1.00000E-02	1.41270E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION	
	EQUIVALENT CONDUCTANCE
-0.	1.49860E+02
1.00000E-04	1.48940E+02
2.00000E-04	1.48570E+02
5.00000E-04	1.47810E+02
1.00000E-03	1.46950E+02
2.00000E-03	1.45780E+02
3.00000E-03	1.44910E+02
4.00000E-03	1.44190E+02
5.00000E-03	1.43550E+02
6.00000E-03	1.43020E+02
7.00000E-03	1.42520E+02
8.00000E-03	1.42060E+02
9.00000E-03	1.41650E+02
1.00000E-02	1.41270E+02
2.00000E-02	1.38340E+02
3.00000E-02	1.36270E+02
4.00000E-02	1.34670E+02
5.00000E-02	1.33370E+02
6.00000E-02	1.32300E+02
7.00000E-02	1.31330E+02
8.00000E-02	1.30440E+02
9.00000E-02	1.29650E+02
1.00000E-01	1.28960E+02
1.10000E-01	1.28290E+02
1.20000E-01	1.27690E+02

SHEDLOVSKY, BROWN & MACINNES. TRANS ELEC CHEM SOC 66, 165 (1934)

CONCENTRATION	
	EQUIVALENT CONDUCTANCE
-0.	1.49820E+02
3.25760E-05	1.49330E+02
1.04450E-04	1.48910E+02
2.65700E-04	1.48380E+02
3.32770E-04	1.48190E+02
3.52170E-04	1.48120E+02
4.69480E-04	1.47890E+02
6.08950E-04	1.47520E+02
8.42000E-04	1.47230E+02
9.28560E-04	1.47070E+02
1.13210E-03	1.46760E+02
1.40800E-03	1.46460E+02

1.59590E-03	1.46260E+02
2.02910E-03	1.45720E+02
2.05680E-03	1.45710E+02
2.33790E-03	1.45480E+02
2.78480E-03	1.45000E+02
2.87770E-03	1.44990E+02
3.28270E-03	1.44640E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION	
	TRANSFERENCE NUMBER
0.	4.90500E-01
5.00000E-04	4.90400E-01
5.00000E-03	4.90200E-01
3.00000E-02	4.90000E-01
7.00000E-02	4.89700E-01
1.00000E-01	4.89600E-01
2.00000E-01	4.89400E-01
5.00000E-01	4.88900E-01
1.00000E+00	4.88600E-01
2.00000E+00	4.88200E-01
3.00000E+00	4.87900E-01
3.90000E+00	4.87600E-01

CONCENTRATION	
	TRANSFERENCE NUMBER
1.00000E-03	4.90300E-01
2.00000E-03	4.90300E-01
5.00000E-03	4.90500E-01
1.00000E-02	4.90200E-01
2.00000E-02	4.90100E-01
1.00000E-02	4.90100E-01
2.00000E-02	4.89900E-01
5.00000E-02	4.90000E-01
2.00000E-01	4.89200E-01

LONGSWORTH. JACS 54, 2741 (1932)

MOLALITY	
	TRANSFERENCE NUMBER
1.00000E-02	4.88000E-01
5.00000E-02	4.87000E-01
1.00000E-01	4.87000E-01
2.00000E-01	4.87000E-01
3.00000E-01	4.86000E-01
5.00000E-01	4.86000E-01
1.00000E+00	4.86000E-01
1.50000E+00	4.86000E-01
2.00000E+00	4.85000E-01
2.50000E+00	4.85000E-01
3.00000E+00	4.85000E-01
3.50000E+00	4.85000E-01
4.00000E+00	4.85000E-01

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION	
	TRANSFERENCE NUMBER
5.00000E-03	4.90300E-01
1.00000E-02	4.90200E-01
2.00000E-02	4.90100E-01
5.00000E-02	4.90000E-01

1.00000E-01 4.90000E-01
ALLGOOD, LEROY & GORDON. J CHEM PHYS 8, 418 (1940)

CONCENTRATION

TRANSFERENCE NUMBER

1.59840E-02 4.90600E-01
2.20560E-02 4.89900E-01
3.12420E-02 4.89800E-01
4.29140E-02 4.90000E-01
STEEL. J PHYS CHEM 69, 3208 (1965)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01 4.92000E-01
MACINNES & SMITH. JACS 45, 2246 (1923)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01 4.92000E-01
2.00000E-01 4.90000E-01
SMITH & MACINNES. JACS 47, 1009 (1925)

CONCENTRATION

DIFFUSION COEFFICIENT

1.25000E-03 1.96120E-05
1.94000E-03 1.95450E-05
3.25000E-03 1.94330E-05
5.85000E-03 1.93080E-05
7.04000E-03 1.92410E-05
9.80000E-03 1.91800E-05
HARNED & NUTTALL. JACS 69, 736 (1947)

CONCENTRATION

DIFFUSION COEFFICIENT

1.26100E-02 1.90800E-05
2.65400E-02 1.87900E-05
3.99200E-02 1.87700E-05
4.62000E-02 1.87200E-05
5.45000E-02 1.86000E-05
6.07400E-02 1.85600E-05
1.29800E-01 1.83800E-05
3.32300E-01 1.84200E-05
5.27600E-01 1.85200E-05
HARNED & NUTTALL. JACS 71, 1460 (1949)

CONCENTRATION

DIFFUSION COEFFICIENT

2.25000E-01 1.83820E-05
3.31960E-01 1.84000E-05
5.00010E-01 1.84970E-05
1.00005E+00 1.89230E-05
1.50021E+00 1.94270E-05
2.00034E+00 1.99940E-05
2.50043E+00 2.05690E-05
3.00080E+00 2.11200E-05
3.50087E+00 2.16030E-05

3.90080E+00 2.19560E-05
1.00000E-01 1.85120E-05
GOSTING. JACS 72, 4418 (1950)

CONCENTRATION

DIFFUSION COEFFICIENT

5.00000E-02 1.86300E-05
1.00000E-01 1.84800E-05
2.00000E-01 1.83500E-05
3.00000E-01 1.82600E-05
5.00000E-01 1.83500E-05
7.00000E-01 1.84600E-05
1.00000E+00 1.87600E-05
1.50000E+00 1.95100E-05
2.00000E+00 2.01100E-05
2.50000E+00 2.06400E-05
3.00000E+00 2.11000E-05
3.50000E+00 2.15200E-05
STOKES. JACS 72, 2243 (1950)

CONCENTRATION

DIFFUSION COEFFICIENT

2.55000E-03 1.94600E-05
HARNED & BLANDER. J PHYS CHEM 63, 2078 (1959)

MOLALITY

DIFFUSION COEFFICIENT

1.00000E+00 1.89000E-05
2.00000E+00 1.98500E-05
3.00000E+00 2.08300E-05
4.00000E+00 2.16500E-05
LONGSWORTH. J PHYS CHEM 61, 1557 (1957)

CONCENTRATION

DIFFUSION COEFFICIENT

2.07500E+00 2.01130E-05
2.12500E+00 2.01490E-05
CHAPMAN. PH. D. THESIS. UCRL-17768. NOVEMBER, 1967

MOLALITY

GAMMA

5.00000E-04 9.74700E-01
1.00000E-03 9.64800E-01
2.00000E-03 9.51000E-01
1.00000E-02 9.01000E-01
2.00000E-02 8.68000E-01
3.00000E-02 8.46000E-01
4.00000E-02 8.29000E-01
5.00000E-02 8.16000E-01
6.00000E-02 8.04000E-01
7.00000E-02 7.94000E-01
8.00000E-02 7.85000E-01
9.00000E-02 7.77000E-01
1.00000E-01 7.69000E-01
2.00000E-01 7.18000E-01
3.00000E-01 6.87000E-01
4.00000E-01 6.65000E-01

5.00000E-01	6.49000E-01
6.00000E-01	6.36000E-01
7.00000E-01	6.26000E-01
8.00000E-01	6.17000E-01
9.00000E-01	6.10000E-01
1.00000E+00	6.03000E-01
1.50000E+00	5.82000E-01
2.00000E+00	5.72000E-01
3.00000E+00	5.68000E-01
4.00000E+00	5.76000E-01
5.00000E+00	5.90000E-01

LEWIS & RANDALL. THERMODYNAMICS (2ND ED, 1961)

MOLALITY

MOLALITY	GAMMA
5.00000E-02	8.13000E-01
1.00000E-01	7.67000E-01
2.00000E-01	7.16000E-01
3.00000E-01	6.86000E-01
5.00000E-01	6.49000E-01
1.00000E+00	6.04000E-01
1.50000E+00	5.82000E-01
2.00000E+00	5.74000E-01
2.50000E+00	5.70000E-01
3.00000E+00	5.69000E-01
3.50000E+00	5.73000E-01
4.00000E+00	5.77000E-01

CARAMAZZA. GAZ CHIM ITAL 90, 1721 (1960)

POTASSIUM CHLORIDE IN WATER AT 30 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

CONCENTRATION	RELATIVE DENSITY
1.00000E-03	1.00005E+00
2.49000E-03	1.00012E+00
4.99000E-03	1.00024E+00
9.97000E-03	1.00048E+00
1.99500E-02	1.00096E+00
3.99000E-02	1.00190E+00
4.98700E-02	1.00237E+00
9.97300E-02	1.00472E+00
1.99460E-01	1.00939E+00
4.98560E-01	1.02317E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

MOLALITY

MOLALITY	DENSITY
5.04100E-01	1.01860E+00
9.91000E-01	1.03950E+00
1.50970E+00	1.06060E+00
2.04760E+00	1.08160E+00

2.49680E+00	1.09830E+00
3.00130E+00	1.11640E+00
3.53270E+00	1.13460E+00
3.96180E+00	1.14880E+00
4.69340E+00	1.17190E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

5.04100E-01	7.99700E-01
9.91000E-01	8.03700E-01
1.50970E+00	8.08600E-01
2.04760E+00	8.15800E-01
2.49680E+00	8.24100E-01
3.00130E+00	8.35800E-01
3.53270E+00	8.48500E-01
3.96180E+00	8.58300E-01
4.69340E+00	8.83700E-01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.01000E+00
1.50000E+00	1.02100E+00
2.00000E+00	1.02800E+00
2.50000E+00	1.03500E+00
3.00000E+00	1.04600E+00
3.50000E+00	1.06400E+00
4.00000E+00	1.07900E+00
4.50000E+00	1.09300E+00
4.96300E+00	1.14500E+00

SURYANARAYANA & VENKATESAN. BULL CHEM SOC JAPAN 31, 442 (1958)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-03	1.00017E+00
2.49000E-03	1.00027E+00
4.99000E-03	1.00038E+00
9.97000E-03	1.00052E+00
1.99500E-02	1.00072E+00
3.99000E-02	1.00101E+00
4.98700E-02	1.00111E+00
9.97300E-02	1.00151E+00
1.99460E-01	1.00206E+00
4.98560E-01	1.00307E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.45000E+00	1.00200E+00
6.96000E+00	1.00500E+00
1.05300E+01	1.01000E+00
1.41600E+01	1.01800E+00
1.78500E+01	1.02900E+00
2.16090E+01	1.04200E+00
2.54300E+01	1.05700E+00
2.93200E+01	1.07700E+00
3.32800E+01	1.10200E+00

3.73100E+01 1.13100E+00
TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.20000E-01
1.50000E+00	1.71300E-01
2.00000E+00	2.17700E-01
2.50000E+00	2.58700E-01
3.00000E+00	2.96600E-01
3.50000E+00	3.32300E-01
4.00000E+00	3.63100E-01
4.50000E+00	3.82100E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

CONCENTRATION

DIFFUSION COEFFICIENT

3.26000E-03	2.17200E-05
6.50000E-03	2.15400E-05
8.96000E-03	2.14600E-05
1.23600E-02	2.13900E-05

HARNED & NUTTALL. JACS 71, 1460 (1949)

POTASSIUM CHLORIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

1.27300E-01	1.00030E+00
4.04300E-01	1.01220E+00
5.14100E-01	1.01740E+00
7.72800E-01	1.02800E+00
1.39050E+00	1.05410E+00
1.66980E+00	1.06500E+00
2.18530E+00	1.08470E+00
2.89600E+00	1.11020E+00
4.63220E+00	1.16750E+00

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

CONCENTRATION

RELATIVE DENSITY

9.90000E-04	1.00005E+00
2.49000E-03	1.00012E+00
4.98000E-03	1.00024E+00
9.96000E-03	1.00047E+00
1.99200E-02	1.00094E+00
3.98300E-02	1.00188E+00
4.97900E-02	1.00235E+00
9.95700E-02	1.00468E+00
1.99130E-01	1.00931E+00
4.97700E-01	1.02300E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.59000E+00	1.00700E+00
7.25200E+00	1.01500E+00
1.09700E+01	1.02400E+00
1.47600E+01	1.03500E+00
1.86200E+01	1.04900E+00
2.25460E+01	1.06600E+00
2.65400E+01	1.08700E+00
3.06200E+01	1.11100E+00
3.47700E+01	1.14000E+00
3.89900E+01	1.17200E+00

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

CONCENTRATION

RELATIVE VISCOSITY

9.90000E-04	1.00018E+00
2.49000E-03	1.00030E+00
4.98000E-03	1.00044E+00
9.96000E-03	1.00065E+00
1.99200E-02	1.00098E+00
3.98300E-02	1.00147E+00
4.97900E-02	1.00171E+00
9.95700E-02	1.00270E+00
1.99130E-01	1.00441E+00
4.97700E-01	1.00877E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.01400E+00
1.50000E+00	1.02000E+00
2.00000E+00	1.02200E+00
2.50000E+00	1.04900E+00
3.00000E+00	1.06000E+00
3.50000E+00	1.07700E+00
4.00000E+00	1.10300E+00
4.50000E+00	1.11900E+00
5.16400E+00	1.15900E+00

SURYA PARAYANA & VENKATESAN. BULL CHEM SOC JAPAN 31, 442 (1958)

MOLALITY

VISCOSITY

9.54000E-01	7.34000E-01
2.00000E+00	7.48000E-01
2.99600E+00	7.71000E-01
3.99400E+00	7.97000E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

CONCENTRATION

MOLAR CONDUCTANCE

4.91060E-04	1.77950E+02
1.08290E-03	1.76760E+02
2.04650E-03	1.75370E+02
3.36840E-03	1.74070E+02

5.19960E-03	1.72620E+02
7.54550E-03	1.71170E+02
1.03282E-02	1.69750E+02
0.	1.80500E+02
5.00000E-04	1.77930E+02
1.00000E-03	1.76890E+02
2.00000E-03	1.75460E+02
5.00000E-03	1.72760E+02
1.00000E-02	1.69920E+02

GUNNING & GORDON. J CHEM PHYS 10, 126 (1942)

MOLALITY	CONDUCTIVITY
1.00000E+00	1.27500E-01
1.50000E+00	1.82000E-01
2.00000E+00	2.29600E-01
2.50000E+00	2.73500E-01
3.00000E+00	3.13800E-01
3.50000E+00	3.51200E-01
4.00000E+00	3.73600E-01
4.50000E+00	4.04200E-01

SURYAN ARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

CONCENTRATION	MOLAR CONDUCTANCE
0.	1.80420E+02
5.00000E-04	1.77850E+02
1.00000E-03	1.76810E+02
2.00000E-03	1.75380E+02
5.00000E-03	1.72680E+02
1.00000E-02	1.69840E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

MOLALITY	CONDUCTIVITY
9.54000E-01	1.23000E-01
2.00000E+00	2.32400E-01
2.99600E+00	3.20200E-01
3.99400E+00	3.93100E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

MOLALITY	TRANSFERENCE NUMBER
1.00000E-02	4.88000E-01
5.00000E-02	4.87000E-01
1.00000E-01	4.86000E-01
2.00000E-01	4.85000E-01
3.00000E-01	4.85000E-01
5.00000E-01	4.84000E-01
1.00000E+00	4.84000E-01
1.50000E+00	4.83000E-01
2.00000E+00	4.83000E-01
2.50000E+00	4.83000E-01
3.00000E+00	4.83000E-01
3.50000E+00	4.82000E-01
4.00000E+00	4.82000E-01

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

TRANSFERENCE NUMBER

5.00000E-03	4.88700E-01
1.00000E-02	4.88600E-01
2.00000E-02	4.88500E-01
5.00000E-02	4.88500E-01
1.00000E-01	4.88800E-01

ALLGOOD, LEROY & GORDON. J CHEM PHYS 8, 418 (1940)

MOLALITY

DIFFUSION COEFFICIENT

0.	2.47800E-05
1.00000E-01	2.37000E-05
2.00000E-01	2.32000E-05
5.00000E-01	2.31100E-05
1.00000E+00	2.34500E-05
2.00000E+00	2.45800E-05
3.00000E+00	2.57500E-05

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

MOLALITY

DIFFUSION COEFFICIENT

1.00000E+00	2.34000E-05
2.00000E+00	2.44300E-05
3.00000E+00	2.54700E-05
4.00000E+00	2.63000E-05

LONGSWORTH. J PHYS CHEM 61, 1557 (1957)

CONCENTRATION

DIFFUSION COEFFICIENT

5.94000E-02	2.31400E-05
9.90000E-02	2.29100E-05
1.97900E-01	2.27300E-05
2.95500E-01	2.27400E-05
3.91700E-01	2.28000E-05
4.89700E-01	2.28400E-05
5.86000E-01	2.29400E-05
6.81800E-01	2.31000E-05
7.77200E-01	2.32000E-05
9.65200E-01	2.34000E-05
1.42600E+00	2.38500E-05
1.87540E+00	2.43000E-05
2.30970E+00	2.48400E-05
2.72080E+00	2.53000E-05
3.13850E+00	2.57700E-05
3.54110E+00	2.62500E-05

VITAGLIANO & CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0.	1.00000E+00
5.94000E-02	9.16400E-01
9.90000E-02	9.06700E-01
1.97900E-01	8.98000E-01
2.95500E-01	8.97100E-01
3.91700E-01	8.99300E-01
4.89700E-01	9.02900E-01

5.86000E-01	9.07400E-01
6.81800E-01	9.12400E-01
7.77200E-01	9.17500E-01
9.65200E-01	9.29200E-01
1.42600E+00	9.59800E-01
1.87540E+00	9.91800E-01
2.30970E+00	1.02430E+00
2.72080E+00	1.05630E+00
3.13850E+00	1.09010E+00
3.54110E+00	1.12360E+00

VITAGLIANO \$ CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

MOLALITY

GAMMA

5.00000E-02	8.10000E-01
1.00000E-01	7.64000E-01
2.00000E-01	7.14000E-01
3.00000E-01	6.83000E-01
5.00000E-01	6.47000E-01
1.00000E+00	6.04000E-01
1.50000E+00	5.83000E-01
2.00000E+00	5.76000E-01
2.50000E+00	5.73000E-01
3.00000E+00	5.71000E-01
3.50000E+00	5.76000E-01
4.00000E+00	5.81000E-01

CARAMAZZA. GAZ CHIM ITAL 90, 1721 (1960)

POTASSIUM CHLORIDE IN WATER AT 40 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
40.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

9.88000E-02	9.96800E-01
5.04100E-01	1.01490E+00
9.91000E-01	1.03560E+00
1.50970E+00	1.05650E+00
2.04760E+00	1.07730E+00
2.49680E+00	1.09390E+00
3.00130E+00	1.11190E+00
3.53270E+00	1.13010E+00
3.96180E+00	1.14420E+00
4.69340E+00	1.16730E+00

LENGYEL, TAMAS, GIBER \$ HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.71000E+00	1.01000E+00
7.48000E+00	1.02100E+00
1.13300E+01	1.03500E+00
1.52400E+01	1.05100E+00
1.92300E+01	1.07000E+00

2.32900E+01	1.09100E+00
2.74300E+01	1.11500E+00
3.16500E+01	1.14100E+00
3.59500E+01	1.17200E+00
4.03300E+01	1.20600E+00

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

MOLALITY

VISCOSITY

9.88000E-02	6.55000E-01
5.04100E-01	6.59700E-01
9.91000E-01	6.69100E-01
1.50970E+00	6.76900E-01
2.04760E+00	6.86600E-01
2.49680E+00	6.96100E-01
3.00130E+00	7.09700E-01
3.53270E+00	7.23100E-01
3.96180E+00	7.36900E-01
4.69340E+00	7.58400E-01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.01800E+00
1.50000E+00	1.03900E+00
2.00000E+00	1.04400E+00
2.50000E+00	1.07400E+00
3.00000E+00	1.08900E+00
3.50000E+00	1.10500E+00
4.00000E+00	1.13000E+00
4.50000E+00	1.14800E+00
5.36500E+00	1.19900E+00

SURYANARAYANA & VENKATESAN. BULL CHEM SOC JAPAN 31, 442 (1958)

MOLALITY

VISCOSITY

9.54000E-01	6.71000E-01
2.00000E+00	6.88000E-01
2.99600E+00	7.12000E-01
3.99400E+00	7.39000E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.37400E-01
1.50000E+00	1.94300E-01
2.00000E+00	2.46600E-01
2.50000E+00	2.92400E-01
3.00000E+00	3.34700E-01
3.50000E+00	3.72800E-01
4.00000E+00	3.99700E-01
4.50000E+00	4.29700E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

9.54000E-01	1.32300E-01
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2.00000E+00	2.49100E-01
2.99600E+00	3.42100E-01
3.99400E+00	4.18900E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

NORMALITY

TRANSFERENCE NUMBER

9.94500E-02	4.90100E-01
9.94500E-02	4.90800E-01
1.49000E-01	4.90500E-01
1.98300E-01	4.90000E-01
1.98300E-01	4.89600E-01
0.	4.91300E-01

SAMIS. TRANS FAR SOC 33, 469 (1937)

POTASSIUM CHLORIDE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

4.53000E-02	9.91900E-01
1.48400E-01	9.96600E-01
3.28700E-01	1.00490E+00
7.87300E-01	1.02410E+00
1.69430E+00	1.06070E+00
2.78990E+00	1.10120E+00
4.13720E+00	1.14760E+00

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.82000E+00	1.01500E+00
7.71500E+00	1.03200E+00
1.16800E+01	1.05000E+00
1.57200E+01	1.06900E+00
1.98400E+01	1.09100E+00
2.40400E+01	1.11400E+00
2.83200E+01	1.14000E+00
3.26900E+01	1.16900E+00
3.71400E+01	1.20100E+00
4.16800E+01	1.23700E+00

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.02400E+00
1.50000E+00	1.04600E+00
2.00000E+00	1.05800E+00
2.50000E+00	1.08600E+00
3.00000E+00	1.10400E+00
3.50000E+00	1.12500E+00

4.00000E+00	1.14800E+00
4.50000E+00	1.17000E+00
5.54000E+00	1.23300E+00

SURYANARAYANA & VENKATESAN. BULL CHEM SOC JAPAN 31, 442 (1958)

CONCENTRATION	MOLAR CONDUCTANCE
5.17360E-04	2.09330E+02
1.03639E-03	2.08050E+02
2.07660E-03	2.06310E+02
3.26700E-03	2.04820E+02
4.66750E-03	2.03430E+02
7.45840E-03	2.01240E+02
9.85460E-03	1.99750E+02
0.	2.12490E+02
5.00000E-04	2.09380E+02
1.00000E-03	2.08130E+02
2.00000E-03	2.06400E+02
5.00000E-03	2.03140E+02
1.00000E-02	1.99690E+02

GUNNING & GORDON. J CHEM PHYS 10, 126 (1942)

MOLALITY	CONDUCTIVITY
1.00000E+00	1.47200E-01
1.50000E+00	2.07000E-01
2.00000E+00	2.63200E-01
2.50000E+00	3.11600E-01
3.00000E+00	3.57800E-01
3.50000E+00	3.96900E-01
4.00000E+00	4.24000E-01
4.50000E+00	4.56800E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

CONCENTRATION	MOLAR CONDUCTANCE
0.	2.12410E+02
5.00000E-04	2.09300E+02
1.00000E-03	2.08050E+02
2.00000E-03	2.06330E+02
5.00000E-03	2.03070E+02
1.00000E-02	1.99620E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION	TRANSFERENCE NUMBER
5.00000E-03	4.86900E-01
1.00000E-02	4.86800E-01
2.00000E-02	4.86800E-01
5.00000E-02	4.86900E-01
1.00000E-01	4.87300E-01

ALLGOLD, LEROY & GORDON. J CHEM PHYS 8, 418 (1940)

MOLALITY	DIFFUSION COEFFICIENT
0.	3.01200E-05
1.00000E-01	2.79700E-05

2.00000E-01	2.77900E-05
5.00000E-01	2.77900E-05
1.00000E+00	2.82200E-05
2.00000E+00	2.94400E-05
3.00000E+00	3.05800E-05

FIRTH & TYRRELL. J CHEM SOC 1962, 2042 (1962)

MOLALITY

	DIFFUSION COEFFICIENT
1.00000E+00	2.82500E-05
2.00000E+00	2.92900E-05
3.00000E+00	3.03600E-05
4.00000E+00	3.11600E-05

LONGSWORTH. J PHYS CHEM 61, 1557 (1957)

POTASSIUM CHLORIDE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

	DENSITY
4.23000E-02	1.01400E+00
8.81000E-02	1.04400E+00
1.09100E-01	1.05800E+00
1.42700E-01	1.08000E+00
2.14600E-01	1.13300E+00
2.63200E-01	1.16700E+00
3.00000E-01	1.19400E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

NORMALITY

	DENSITY
1.00000E+00	1.03200E+00
2.00000E+00	1.07100E+00
3.00000E+00	1.10600E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MASS FRACTION

	DENSITY
3.00500E-01	1.19400E+00
2.20100E-01	1.13345E+00
1.56800E-01	1.08912E+00
1.17100E-01	1.06243E+00
6.66000E-02	1.02962E+00
4.94000E-02	1.01850E+00
2.48000E-02	1.00343E+00
2.02000E-02	1.00057E+00
1.24000E-02	9.95750E-01

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MOLALITY

DENSITY

2.32030E+00	1.08290E+00
3.39610E+00	1.12060E+00
4.46850E+00	1.15510E+00

TOLLERT & D*ANS. ANGEWANDTE CHEMIE 52, 472 (1939)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.94000E+00	1.01900E+00
7.95600E+00	1.03800E+00
1.20500E+01	1.06000E+00
1.62200E+01	1.08400E+00
2.04800E+01	1.11000E+00
2.48200E+01	1.13800E+00
2.92500E+01	1.16800E+00
3.37700E+01	1.20000E+00
3.83800E+01	1.23600E+00
4.30900E+01	1.27600E+00

TANAKA. NIPPON KAGAKU ZASSHI 82, 147 (1961)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.03400E+00
1.50000E+00	1.05900E+00
2.00000E+00	1.07600E+00
2.50000E+00	1.10400E+00
3.00000E+00	1.12200E+00
3.50000E+00	1.14700E+00
4.00000E+00	1.17300E+00
4.50000E+00	1.19500E+00
5.71400E+00	1.27100E+00

SURYANARAYANA & VENKATESAN. BULL CHEM SOC JAPAN 31, 442 (1958)

MOLALITY

VISCOSITY

9.54000E-01	5.69000E-01
2.00000E+00	5.90000E-01
2.99600E+00	6.15000E-01
3.99400E+00	6.43000E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

G/100 G OF SOLVENT

RELATIVE VISCOSITY

3.74000E+01	1.22700E+00
4.14000E+01	1.26600E+00

CHATTERJI & GOPAL. J INDIAN CHEM SOC 24, 455 (1947)

MOLALITY

VISCOSITY

2.32030E+00	6.01000E-01
3.39610E+00	6.25000E-01
4.46850E+00	6.59000E-01

TOLLETT & D*ANS. ANGEWANDTE CHEMIE 52, 472 (1939)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.57900E-01
1.50000E+00	2.20900E-01
2.00000E+00	2.79000E-01
2.50000E+00	3.30000E-01
3.00000E+00	3.79200E-01
3.50000E+00	4.18500E-01
4.00000E+00	4.49000E-01
4.50000E+00	4.80300E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

5.00000E-02	9.85000E-03
1.00000E-01	1.86800E-02
2.50000E-01	4.44000E-02
5.00000E-01	8.30000E-02
1.00000E+00	1.52000E-01

GORBACHEV & KONDRATEV. ZH FIZ KHIM 35, 1235 (1961)

MOLALITY

CONDUCTIVITY

9.54000E-01	1.50700E-01
2.00000E+00	2.88400E-01
2.99600E+00	3.85600E-01
3.99400E+00	4.70200E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.21710E-02	2.13930E+02
2.46360E-02	2.08630E+02
4.52210E-02	2.03180E+02
6.24980E-02	1.99800E+02
7.87440E-02	1.97350E+02
9.87840E-02	1.94730E+02
1.41510E-01	1.90620E+02
2.01040E-01	1.86290E+02
2.99040E-01	1.81170E+02
3.57320E-01	1.78860E+02
4.12410E-01	1.76830E+02
5.59510E-01	1.72530E+02
7.66790E-01	1.67790E+02
9.85280E-01	1.63860E+02
1.40740E+00	1.57650E+02
1.81870E+00	1.52470E+02
2.29220E+00	1.47080E+02
2.73820E+00	1.42300E+02
2.88820E+00	1.40720E+02
3.31070E+00	1.36280E+02
3.63850E+00	1.32830E+02
4.39480E+00	1.24870E+02

CHAMBERS. J PHYS CHEM 62, 1136 (1958)

MOLALITY

TRANSFERENCE NUMBER

1.00000E-02	4.87000E-01
5.00000E-02	4.85000E-01
1.00000E-01	4.85000E-01

2.00000E-01	4.84000E-01
3.00000E-01	4.84000E-01
5.00000E-01	4.84000E-01
1.00000E+00	4.83000E-01
1.50000E+00	4.83000E-01
2.00000E+00	4.83000E-01
2.50000E+00	4.83000E-01
3.00000E+00	4.82000E-01
3.50000E+00	4.82000E-01
4.00000E+00	4.82000E-01

VITAGLIANO \$ CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT

9.83000E-02	3.06700E-05
1.90700E-01	3.03000E-05
1.96200E-01	3.03500E-05
2.44800E-01	3.02500E-05
3.42100E-01	3.02000E-05
3.90600E-01	3.02500E-05
4.86400E-01	3.02000E-05
5.82400E-01	3.02700E-05
9.59800E-01	3.06500E-05
1.41860E+00	3.13500E-05
1.78540E+00	3.18000E-05
1.80800E+00	3.18500E-05
1.86330E+00	3.19400E-05
2.29520E+00	3.25000E-05
2.71340E+00	3.31500E-05
3.12050E+00	3.35500E-05
3.52060E+00	3.39000E-05
3.59780E+00	3.39300E-05
3.78280E+00	3.39500E-05

VITAGLIANO \$ CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0.	1.00000E+00
9.83000E-02	9.05200E-01
1.90700E-01	8.97300E-01
1.96200E-01	8.97100E-01
2.44800E-01	8.96500E-01
3.42100E-01	8.98100E-01
3.90600E-01	8.99700E-01
4.86400E-01	9.03900E-01
5.82400E-01	9.08800E-01
9.59800E-01	9.32000E-01
1.41860E+00	9.62200E-01
1.78540E+00	9.87600E-01
1.80800E+00	9.89200E-01
1.86330E+00	9.93000E-01
2.29520E+00	1.02280E+00
2.71340E+00	1.05130E+00
3.12050E+00	1.07910E+00
3.52060E+00	1.10650E+00
3.59780E+00	1.11130E+00
3.78280E+00	1.12430E+00

VITAGLIANO \$ CARAMAZZA. GAZZ CHIM ITAL 90, 1730 (1960)

MOLALITY

GAMMA

5.00000E-02	8.04000E-01
1.00000E-01	7.59000E-01
2.00000E-01	7.09000E-01
3.00000E-01	6.78000E-01
5.00000E-01	6.43000E-01
1.00000E+00	6.00000E-01
1.50000E+00	5.82000E-01
2.00000E+00	5.75000E-01
2.50000E+00	5.72000E-01
3.00000E+00	5.68000E-01
3.50000E+00	5.74000E-01
4.00000E+00	5.81000E-01

CARAMAZZA. GAZ CHIM ITAL 90, 1721 (1960)

POTASSIUM CHLORIDE IN WATER AT 55 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
55.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.03900E+00
1.50000E+00	1.05900E+00
2.00000E+00	1.08100E+00
2.50000E+00	1.11400E+00
3.00000E+00	1.13500E+00
3.50000E+00	1.16100E+00
4.00000E+00	1.18800E+00
4.50000E+00	1.21400E+00
5.90200E+00	1.30800E+00

SURYANARAYANA & VENKATESAN. BULL CHEM SOC JAPAN 31, 442 (1958)

CONCENTRATION

MOLAR CONDUCTANCE

3.25120E-03	2.36750E+02
5.66330E-03	2.33990E+02
8.42510E-03	2.31700E+02
1.16256E-02	2.29520E+02
1.68195E-02	2.26750E+02
1.91899E-02	2.25660E+02
2.29392E-02	2.24170E+02
2.27740E-03	2.38080E+02
4.23950E-03	2.35410E+02
6.63110E-03	2.33040E+02
1.09499E-02	2.29860E+02
1.37269E-02	2.28210E+02
1.95238E-02	2.25430E+02
2.57958E-02	2.22990E+02

OWEN & ZELDES. J CHEM PHYS 18, 1083 (1950)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.67600E-01
1.50000E+00	2.34300E-01
2.00000E+00	2.94600E-01
2.50000E+00	3.49100E-01
3.00000E+00	4.00400E-01
3.50000E+00	4.40900E-01
4.00000E+00	4.70800E-01
4.50000E+00	5.05200E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM CHLORIDE IN WATER AT 60 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
60.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

VISCOSITY

9.54000E-01	4.91000E-01
2.00000E+00	5.14000E-01
2.99600E+00	5.39000E-01
3.99400E+00	5.67000E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

MOLALITY

CONDUCTIVITY

9.54000E-01	1.69200E-01
2.00000E+00	3.15800E-01
2.99600E+00	4.28800E-01
3.99400E+00	5.21100E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

POTASSIUM CHLORIDE IN WATER AT 70 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
70.000	74.560	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

VISCOSITY

9.54000E-01	4.29000E-01
2.00000E+00	4.53000E-01
2.99600E+00	4.77000E-01
3.99400E+00	5.06000E-01

JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

MOLALITY

CONDUCTIVITY

9.54000E-01	1.87600E-01
2.00000E+00	3.49500E-01

2.99600E+00 4.71700E-01
 3.99400E+00 5.71600E-01
 JACOPETTI. GAZZ CHIM ITAL 70, 95 (1940)

POTASSIUM CHLORATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	122.550	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

2.00100E-03	9.97230E-01
5.00000E-03	9.97448E-01
1.00000E-02	9.97830E-01
2.00010E-02	9.98596E-01
5.00000E-02	1.00089E+00
1.00000E-01	1.00469E+00

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION

DENSITY

1.00000E-04	9.97078E-01
2.00000E-04	9.97084E-01
5.00000E-04	9.97113E-01
1.00000E-03	9.97150E-01
2.00000E-03	9.97224E-01
5.00000E-03	9.97456E-01
1.00000E-02	9.97840E-01
2.00000E-02	9.98601E-01
5.00000E-02	1.00090E+00
1.00000E-01	1.00470E+00
2.00000E-01	1.01228E+00
5.00000E-01	1.03479E+00

JONES & RAY. JACS 63, 288 (1941)

CONCENTRATION

RELATIVE VISCOSITY

2.00100E-03	1.00017E+00
5.00000E-03	1.00021E+00
1.00000E-02	1.00017E+00
2.00010E-02	1.00011E+00
5.00000E-02	9.99570E-01
1.00000E-01	9.98500E-01

JONES & TALLEY. JACS 55, 624 (1933)

POTASSIUM PERCHLORATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	138.550	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION	DIFFUSION COEFFICIENT
-0.	1.87300E-05
1.20000E-03	1.84300E-05
1.80000E-03	1.84200E-05
2.30000E-03	1.83900E-05
3.40000E-03	1.83200E-05
4.90000E-03	1.82900E-05
6.30000E-03	1.82500E-05
7.50000E-03	1.81300E-05
8.40000E-03	1.81400E-05
9.70000E-03	1.79200E-05

HARNED, PARKER & BLANDER. JACS 77, 2071 (1955)

POTASSIUM CHROMATE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	194.200	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION	DENSITY
5.00000E-04	9.99950E-01
1.00000E-03	1.00003E+00
2.00000E-03	1.00019E+00
5.00000E-03	1.00070E+00
1.00000E-02	1.00155E+00
2.00000E-02	1.00315E+00
5.00000E-02	1.00799E+00
1.00000E-01	1.01593E+00
2.00000E-01	1.03181E+00
5.04656E-01	1.07814E+00
1.00780E+00	1.15149E+00
2.01707E+00	1.28991E+00
2.54422E+00	1.35890E+00

JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION	RELATIVE VISCOSITY
5.00000E-04	1.00025E+00
1.00000E-03	1.00032E+00
2.00000E-03	1.00046E+00
5.00000E-03	1.00070E+00
1.00000E-02	1.00090E+00
2.00000E-02	1.00122E+00
5.00000E-02	1.00157E+00
1.00000E-01	1.00223E+00
2.00000E-01	1.00496E+00
5.04656E-01	1.02536E+00
1.00780E+00	1.09270E+00
1.94868E+00	1.32130E+00
2.01707E+00	1.33989E+00
2.54422E+00	1.54108E+00

JONES & COLVIN. JACS 62, 338 (1940)

POTASSIUM CHROMATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	194.200	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DENSITY

5.00000E-04	9.97160E-01
1.00000E-03	9.97230E-01
2.00000E-03	9.97390E-01
5.00000E-03	9.97860E-01
1.00000E-02	9.98630E-01
2.00000E-02	1.00018E+00
5.00000E-02	1.00481E+00
1.00000E-01	1.01236E+00
2.00000E-01	1.02753E+00
5.01780E-01	1.07199E+00
1.00050E+00	1.14316E+00
1.99920E+00	1.27891E+00
2.52209E+00	1.34708E+00

JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION

RELATIVE VISCOSITY

5.00000E-04	1.00036E+00
1.00000E-03	1.00053E+00
2.00000E-03	1.00090E+00
5.00000E-03	1.00170E+00
1.00000E-02	1.00284E+00
2.00000E-02	1.00492E+00
5.00000E-02	1.01062E+00
1.00000E-01	1.01940E+00
2.00000E-01	1.03732E+00
5.01780E-01	1.09457E+00
1.00050E+00	1.20946E+00
1.99920E+00	1.53171E+00
2.52209E+00	1.76931E+00

JONES & COLVIN. JACS 62, 338 (1940)

POTASSIUM FERRICYANIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	329.260	18.015	4.0	3.0	1.0	1.0	-3.0

CONCENTRATION

DENSITY

3.30000E-05	9.97080E-01
6.70000E-05	9.97085E-01

1.67000E-04	9.97102E-01
3.33000E-04	9.97130E-01
6.67000E-04	9.97190E-01
1.66700E-03	9.97374E-01
3.33000E-03	9.97675E-01
6.67000E-03	9.98279E-01
1.66700E-02	1.00008E+00
3.33300E-02	1.00304E+00
6.66700E-02	1.00894E+00
1.66670E-01	1.02636E+00
3.33330E-01	1.05485E+00
6.66670E-01	1.11031E+00
1.00000E+00	1.16413E+00
1.16667E+00	1.19050E+00

JONES & RAY. JACS 63, 288 (1941)

CONCENTRATION

EQUIVALENT CONDUCTANCE

3.52300E-02	1.28400E+02
4.69600E-02	1.23700E+02
6.26500E-02	1.20600E+02
8.35200E-02	1.18000E+02
1.11360E-01	1.14300E+02
1.48460E-01	1.11400E+02
1.97940E-01	1.08000E+02
2.51400E-01	1.05000E+02
2.63890E-01	1.04700E+02
3.51890E-01	1.01700E+02
5.02820E-01	9.93000E+01
7.97270E-01(sic)	9.64000E+01
7.11000E-01	9.61000E+01
9.48300E-01	9.42000E+01
1.06320E+00(sic)	9.34000E+01
1.00540E+00	9.26000E+01
1.26430E+00	9.13000E+01
1.41700E+00	9.00000E+01
1.34070E+00(sic)	8.99000E+01
1.68580E+00	8.74000E+01
1.88870E+00	8.60000E+01
2.24790E+00	8.36000E+01
2.99670E+00	7.70000E+01

CALVERT, CORNELIUS, GRIFFITHS & STOCK. J PHYS CHEM 62, 47 (1958)

NORMALITY

TRANSFERENCE NUMBER

1.00000E-02	4.31500E-01
5.00000E-02	4.38400E-01
1.00000E-01	4.40600E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

MOLALITY

GAMMA

1.00000E-01	2.68000E-01
2.00000E-01	2.12000E-01
3.00000E-01	1.84000E-01
4.00000E-01	1.67000E-01
5.00000E-01	1.55000E-01
6.00000E-01	1.46000E-01
7.00000E-01	1.40000E-01

8.00000E-01	1.35000E-01
9.00000E-01	1.31000E-01
1.00000E+00	1.28000E-01
1.20000E+00	1.24000E-01
1.40000E+00	1.22000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

POTASSIUM FERROCYANIDE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	368.360	18.015	5.0	4.0	1.0	1.0	-4.0

CONCENTRATION

	DENSITY
-0.	9.99870E-01
1.00000E-03	1.00020E+00
2.00200E-03	1.00040E+00
5.00500E-03	1.00120E+00
9.96800E-03	1.00252E+00
2.00370E-02	1.00516E+00
5.00910E-02	1.01285E+00
1.00224E-01	1.02535E+00
2.00532E-01	1.04980E+00

JONES & STAUFFER. JACS 58, 2558 (1936)

CONCENTRATION

	RELATIVE VISCOSITY
2.00000E-04	1.00053E+00
3.50000E-04	1.00060E+00
5.00000E-04	1.00090E+00
7.50000E-04	1.00096E+00
1.00000E-03	1.00120E+00
2.00000E-03	1.00164E+00
5.00000E-03	1.00255E+00
1.00000E-02	1.00376E+00
2.00000E-02	1.00554E+00
5.00000E-02	1.01010E+00
1.00000E-01	1.01803E+00
2.00000E-01	1.03903E+00

JONES & STAUFFER. JACS 58, 2558 (1936)

CONCENTRATION

	MOLAR CONDUCTANCE
1.00000E-03	3.21000E+02
2.00000E-03	2.98010E+02
5.00000E-03	2.64830E+02
1.00000E-02	2.40340E+02
2.00000E-02	2.18230E+02
4.77000E-02	1.95260E+02
1.00000E-01	1.81080E+02
2.00000E-01	1.71960E+02

JONES & JELEN. JACS 58, 2561 (1936)

POTASSIUM FERROCYANIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	368.360	18.015	5.0	4.0	1.0	1.0	-4.0

CONCENTRATION

CONCENTRATION	DENSITY
-0.	9.97070E-01
9.97000E-04	9.97376E-01
1.99500E-03	9.97562E-01
4.97200E-03	9.98308E-01
9.93800E-03	9.99556E-01
1.97680E-02	1.00198E+00
1.99750E-02	1.00208E+00
4.99260E-02	1.00932E+00
9.92120E-02	1.02111E+00
9.98220E-02	1.02125E+00
1.99543E-01	1.04463E+00
1.99588E-01	1.04468E+00
1.98806E-01	1.04432E+00
4.99582E-01	1.11255E+00

JONES & STAUFFER. JACS 58, 2558 (1936)

CONCENTRATION

CONCENTRATION	DENSITY
5.00000E-05	9.97087E-01
1.00000E-04	9.97095E-01
2.00000E-04	9.97128E-01
5.00000E-04	9.97200E-01
1.00000E-03	9.97325E-01
2.00000E-03	9.97582E-01
5.00000E-03	9.98340E-01
1.00000E-02	9.99581E-01
2.00000E-02	1.00205E+00
5.00000E-02	1.00936E+00
9.94000E-02	1.02120E+00
1.98810E-01	1.04452E+00
5.00580E-01	1.11284E+00

JONES & RAY. JACS 63, 288 (1941)

CONCENTRATION

CONCENTRATION	RELATIVE VISCOSITY
2.00000E-04	1.00053E+00
3.50000E-04	1.00079E+00
5.00000E-04	1.00103E+00
7.50000E-04	1.00138E+00
1.00000E-03	1.00163E+00
2.00000E-03	1.00244E+00
5.00000E-03	1.00451E+00
1.00000E-02	1.00744E+00
2.00000E-02	1.01255E+00
5.00000E-02	1.02632E+00
1.00000E-01	1.04839E+00
2.00000E-01	1.09414E+00
5.00000E-01	1.26347E+00

JONES & STAUFFER. JACS 58, 2558 (1936)

CONCENTRATION	EQUIVALENT CONDUCTANCE
3.97600E-02	1.13600E+02
4.54500E-02	1.09700E+02
1.59040E-01	9.29000E+01
1.81820E-01	9.11000E+01
3.17980E-01	8.57000E+01
3.63610E-01	8.38000E+01
4.24060E-01	8.30000E+01
5.65350E-01	8.05000E+01
7.27270E-01	7.88000E+01
1.13061E+00	7.50000E+01
1.29322E+00	7.44000E+01
1.50725E+00	7.32000E+01
1.72397E+00	7.19000E+01
2.01016E+00	7.06000E+01
2.29886E+00	6.93000E+01
2.68042E+00	6.74000E+01

CALVERT, CORNELIUS, GRIFFITHS & STOCK. J PHYS CHEM 62, 47 (1958)

CONCENTRATION	MOLAR CONDUCTANCE
2.50000E-04	6.68940E+02
3.60000E-04	6.53520E+02
5.00000E-04	6.38040E+02
7.50000E-04	6.15110E+02
1.00000E-03	5.98330E+02
2.00000E-03	5.54180E+02
5.00000E-03	4.91290E+02
1.00000E-02	4.45280E+02
2.00000E-02	4.03720E+02
4.75000E-02	3.60450E+02
1.00000E-01	3.32010E+02
2.00000E-01	3.10900E+02
5.00000E-01	2.82630E+02

JONES & JELEN. JACS 58, 2561 (1936)

NORMALITY	TRANSFERENCE NUMBER
0.	3.97000E-01
2.00000E-03	4.45000E-01
5.00000E-03	4.85000E-01
1.00000E-02	5.15000E-01
2.00000E-02	5.55000E-01
5.00000E-02	6.04000E-01
1.00000E-01	6.47000E-01

PRIDEAUX. J CHEM SOC. 1944, P. 606

CONCENTRATION	DIFFUSION COEFFICIENT
-0.	1.47300E-05
2.69000E-03	1.21800E-05
3.84000E-03	1.19700E-05
3.96000E-03	1.19800E-05
4.74000E-03	1.18300E-05
5.56000E-03	1.17800E-05

HARNED & HUDSON. JACS 73, 5083 (1951)

MOLALITY

GAMMA

1.00000E-01	1.39000E-01
2.00000E-01	9.93000E-02
3.00000E-01	8.08000E-02
4.00000E-01	6.93000E-02
5.00000E-01	6.14000E-02
6.00000E-01	5.56000E-02
7.00000E-01	5.12000E-02
8.00000E-01	4.79000E-02
9.00000E-01	4.54000E-02

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

POTASSIUM DIHYDROGEN PHOSPHATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	136.090	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

4.00000E-03	9.97680E-01
5.00000E-03	9.97760E-01
6.00000E-03	9.97860E-01
7.00000E-03	9.97960E-01
9.00000E-03	9.98060E-01
1.00000E-02	9.97760E-01 (sic)
2.00000E-02	9.98720E-01
3.00000E-02	1.00010E+00
4.00000E-02	1.00100E+00
5.00000E-02	1.00210E+00
6.00000E-02	1.00300E+00
7.00000E-02	1.00380E+00
8.00000E-02	1.00490E+00
9.00000E-02	1.00570E+00
1.00000E-01	1.00620E+00
2.00000E-01	1.01610E+00
3.00000E-01	1.02520E+00
4.00000E-01	1.03440E+00
6.00000E-01	1.05230E+00
8.00000E-01	1.06960E+00
9.00000E-01	1.07770E+00
1.00000E+00	1.08700E+00

MASON & CULVERN. JACS 71, 2387 (1949)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.00000E-03	1.07091E+02
1.40100E-03	1.06868E+02
2.00000E-03	1.04565E+02
2.56400E-03	1.02804E+02
4.00000E-03	1.01585E+02
5.00000E-03	1.00788E+02

6.00000E-03	9.99020E+01
7.00000E-03	9.92910E+01
8.00000E-03	9.89140E+01
9.00000E-03	9.83620E+01
1.00000E-02	9.80030E+01
2.00000E-02	9.49030E+01
3.00000E-02	9.26820E+01
4.00000E-02	9.11070E+01
5.00000E-02	9.07040E+01
6.00000E-02	8.84820E+01
7.00000E-02	8.83950E+01
8.00000E-02	8.64800E+01
9.00000E-02	8.63690E+01
1.00000E-01	8.56410E+01
2.00000E-01	7.92790E+01
3.00000E-01	7.51190E+01
4.00000E-01	7.18260E+01
5.33800E-01	6.82000E+01
6.00000E-01	6.66270E+01
7.00000E-01	6.40170E+01
8.00000E-01	6.20590E+01
9.00000E-01	6.01590E+01
1.00000E+00	5.85810E+01
1.14450E+00	5.64150E+01
1.88500E+00	4.83910E+01

MASON & CULVERN. JACS 71, 2387 (1949)

POTASSIUM IODIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	166.010	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

9.77000E-02	1.00370E+00
1.09080E+00	1.12040E+00
2.15150E+00	1.22790E+00
3.22150E+00	1.32570E+00
4.07890E+00	1.39760E+00
5.48930E+00	1.50400E+00
6.07800E+00	1.54580E+00
7.53680E+00	1.63950E+00
8.57730E+00	1.70130E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

9.77000E-02	8.83400E-01
1.09080E+00	8.30900E-01
2.15150E+00	8.10300E-01
3.22150E+00	8.08700E-01
4.07890E+00	8.18000E-01
5.48930E+00	8.55300E-01
6.07800E+00	8.81800E-01
7.53680E+00	9.44600E-01

8.57730E+00 1.00420E+00
LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

CONDUCTIVITY

5.00000E-02	6.81000E-03
1.00000E-01	1.30700E-02
2.50000E-01	3.08000E-02
5.00000E-01	5.87000E-02
1.00000E+00	1.12700E-01

KONDRATEV & GORBACHEV. ZH FIZ KHIM 39, 2993 (1965)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.04920E-02	1.42030E+02
1.23070E-02	1.41450E+02
1.54220E-02	1.40550E+02
1.99390E-02	1.39490E+02
2.43560E-02	1.38560E+02
5.62180E-02	1.34320E+02
6.80890E-02	1.33230E+02
8.43110E-02	1.32050E+02
1.39560E-01	1.29080E+02
1.46650E-01	1.28750E+02
1.75480E-01	1.27710E+02
2.26340E-01	1.26190E+02
3.68960E-01	1.23320E+02
4.93330E-01	1.21660E+02
6.51690E-01	1.20080E+02
7.21610E-01	1.19510E+02
9.77510E-01	1.17740E+02
1.23100E+00	1.16270E+02
1.65950E+00	1.14060E+02
2.08370E+00	1.11860E+02
2.34170E+00	1.10450E+02
2.78790E+00	1.07870E+02
2.93470E+00	1.06940E+02
3.64920E+00	1.01950E+02
4.19460E+00	9.76200E+01
4.65500E+00	9.33400E+01
5.50410E+00	8.53100E+01
5.69160E+00	8.34000E+01

CHAMBERS. J PHYS CHEM 62, 1136 (1958)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-02	4.88400E-01
2.00000E-02	4.88300E-01
5.00000E-02	4.88200E-01
1.00000E-01	4.88300E-01
2.00000E-01	4.88700E-01

LONGSWORTH. JACS 57, 1185 (1935)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	2.00100E-05
5.00000E-02	1.89100E-05
1.00000E-01	1.86500E-05

2.00000E-01	1.85900E-05
3.00000E-01	1.88400E-05
5.00000E-01	1.95500E-05
7.00000E-01	2.00100E-05
1.00000E+00	2.06500E-05
1.50000E+00	2.16600E-05
2.00000E+00	2.25400E-05
2.50000E+00	2.34700E-05
3.00000E+00	2.44000E-05
3.50000E+00	2.53300E-05

DUNLOP & STOKES. JACS 73, 5456 (1951)

MOLALITY

GAMMA

1.00000E-01	7.78000E-01
2.00000E-01	7.33000E-01
3.00000E-01	7.07000E-01
4.00000E-01	6.89000E-01
5.00000E-01	6.76000E-01
6.00000E-01	6.67000E-01
7.00000E-01	6.60000E-01
8.00000E-01	6.54000E-01
9.00000E-01	6.49000E-01
1.00000E+00	6.45000E-01
1.20000E+00	6.40000E-01
1.40000E+00	6.37000E-01
1.60000E+00	6.36000E-01
1.80000E+00	6.36000E-01
2.00000E+00	6.37000E-01
2.50000E+00	6.44000E-01
3.00000E+00	6.52000E-01
3.50000E+00	6.62000E-01
4.00000E+00	6.73000E-01
4.50000E+00	6.83000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

POTASSIUM NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	101.110	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

1.00000E-03	9.97134E-01
2.00000E-03	9.97200E-01
5.00000E-03	9.97390E-01
1.00040E-02	9.97709E-01
2.00000E-02	9.98336E-01
5.00010E-02	1.00019E+00
1.00000E-01	1.00328E+00

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-03	1.00012E+00
2.00000E-03	1.00013E+00
5.00000E-03	1.00012E+00
1.00040E-02	9.99950E-01
2.00000E-02	9.99640E-01
5.00010E-02	9.98450E-01
1.00000E-01	9.96280E-01

JONES & TALLEY. JACS 55, 624 (1933)

MOLALITY

CONDUCTIVITY

5.00000E-02	6.47000E-03
1.00000E-01	1.20700E-02
2.50000E-01	2.79000E-02
5.00000E-01	4.91000E-02
1.00000E+00	8.84000E-02

KONDRATEV & GORBACHEV. ZH FIZ KHIM 39, 2993 (1965)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.44920E+02
6.98200E-05	1.44170E+02
1.76130E-04	1.43620E+02
3.88880E-04	1.42980E+02
5.86510E-04	1.42610E+02
8.68530E-04	1.41970E+02
1.21190E-03	1.41530E+02
1.64680E-03	1.40910E+02
2.42190E-03	1.40170E+02
3.67240E-03	1.39080E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION

MOLAR CONDUCTANCE

1.00000E-04	1.44020E+02
2.00000E-04	1.43530E+02
5.00000E-04	1.42730E+02
1.00000E-03	1.41800E+02
2.00000E-03	1.40540E+02
5.00000E-03	1.38440E+02
1.00000E-02	1.35780E+02
2.00000E-02	1.32370E+02
5.00000E-02	1.26270E+02
7.00000E-02	1.23520E+02
1.00000E-01	1.20360E+02
0.	1.44920E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.00000E-01	1.20380E+02
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MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	5.12500E-01
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MAC INNES, COWPERTHWAIT & BLANCHARD. JACS 48, 1909 (1926)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01 5.12800E-01
MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-02 5.08400E-01
2.00000E-02 5.08700E-01
5.00000E-02 5.09300E-01
1.00000E-01 5.10300E-01
2.00000E-01 5.12000E-01
LONGSWORTH. JACS 57, 1185 (1935)

CONCENTRATION

DIFFUSION COEFFICIENT

9.04000E-04 1.90200E-05
1.21000E-03 1.89400E-05
1.63000E-03 1.88700E-05
2.21000E-03 1.89100E-05
2.59000E-03 1.87300E-05
2.68000E-03 1.87800E-05
4.03000E-03 1.86900E-05
4.52000E-03 1.86800E-05
5.03000E-03 1.87700E-05
5.15000E-03 1.85700E-05
5.38000E-03 1.87200E-05
6.00000E-03 1.86800E-05
7.28000E-03 1.85600E-05
8.68000E-03 1.84700E-05
9.19000E-03 1.85500E-05
HARNED & HUDSON. JACS 73, 652 (1951)

MOLALITY

GAMMA

1.00000E-01 7.39000E-01
2.00000E-01 6.63000E-01
3.00000E-01 6.14000E-01
4.00000E-01 5.76000E-01
5.00000E-01 5.45000E-01
6.00000E-01 5.19000E-01
7.00000E-01 4.96000E-01
8.00000E-01 4.76000E-01
9.00000E-01 4.59000E-01
1.00000E+00 4.43000E-01
1.20000E+00 4.14000E-01
1.40000E+00 3.90000E-01
1.60000E+00 3.69000E-01
1.80000E+00 3.50000E-01
2.00000E+00 3.33000E-01
2.50000E+00 2.97000E-01
3.00000E+00 2.69000E-01
3.50000E+00 2.46000E-01
ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

POTASSIUM NITRATE IN WATER AT 30 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 30.000 101.110 18.015 2.0 1.0 1.0 1.0 -1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	9.96800E-01
1.50000E+00	9.98600E-01
2.00000E+00	1.01000E+00
2.50000E+00	1.03300E+00
3.00000E+00	1.04900E+00
3.50000E+00	1.07500E+00
4.00000E+00	1.10500E+00
4.53100E+00	1.13700E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	9.67000E-02
1.50000E+00	1.31400E-01
2.00000E+00	1.65000E-01
2.50000E+00	1.96000E-01
3.00000E+00	2.13600E-01
3.50000E+00	2.30600E-01
4.00000E+00	2.46900E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM NITRATE IN WATER AT 35 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 35.000 101.110 18.015 2.0 1.0 1.0 1.0 -1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	9.88100E-01
1.50000E+00	1.00300E+00
2.00000E+00	1.01300E+00
2.50000E+00	1.04000E+00
3.00000E+00	1.06200E+00
3.50000E+00	1.08000E+00
4.00000E+00	1.11000E+00
5.34200E+00	1.13700E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.05800E-01
1.50000E+00	1.43400E-01
2.00000E+00	1.76100E-01

2.50000E+00	2.01800E-01
3.00000E+00	2.24600E-01
3.50000E+00	2.43600E-01
4.00000E+00	2.59800E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM NITRATE IN WATER AT 40 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
40.000	101.110	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.00500E+00
1.50000E+00	1.02200E+00
2.00000E+00	1.03500E+00
2.50000E+00	1.06000E+00
3.00000E+00	1.08600E+00
3.50000E+00	1.10600E+00
4.00000E+00	1.14000E+00
6.32200E+00	1.29600E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.14000E-01
1.50000E+00	1.54900E-01
2.00000E+00	1.88700E-01
2.50000E+00	2.17600E-01
3.00000E+00	2.41200E-01
3.50000E+00	2.61200E-01
4.00000E+00	2.78300E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM NITRATE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	101.110	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.00700E+00
1.50000E+00	1.03100E+00
2.00000E+00	1.04700E+00
2.50000E+00	1.07200E+00
3.00000E+00	1.11200E+00
3.50000E+00	1.12800E+00
4.00000E+00	1.16100E+00
7.31900E+00	1.37900E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.22800E-01
1.50000E+00	1.66700E-01
2.00000E+00	2.01800E-01
2.50000E+00	2.31600E-01
3.00000E+00	2.57500E-01
3.50000E+00	2.80100E-01
4.00000E+00	2.96500E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM NITRATE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	101.110	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.01700E+00
1.50000E+00	1.04000E+00
2.00000E+00	1.06300E+00
2.50000E+00	1.08800E+00
3.00000E+00	1.12300E+00
3.50000E+00	1.14800E+00
4.00000E+00	1.18100E+00
8.45900E+00	1.50600E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.31500E-01
1.50000E+00	1.78900E-01
2.00000E+00	2.15800E-01
2.50000E+00	2.46900E-01
3.00000E+00	2.74800E-01
3.50000E+00	2.96800E-01
4.00000E+00	3.15600E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM NITRATE IN WATER AT 55 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
55.000	101.110	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.02500E+00
1.50000E+00	1.04800E+00
2.00000E+00	1.07400E+00
2.50000E+00	1.09800E+00
3.00000E+00	1.13400E+00
3.50000E+00	1.16200E+00
4.00000E+00	1.19900E+00
9.69400E+00	1.64300E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY	CONDUCTIVITY
1.00000E+00	1.39700E-01
1.50000E+00	1.88800E-01
2.00000E+00	2.29300E-01
2.50000E+00	2.61600E-01
3.00000E+00	2.91300E-01
3.50000E+00	3.14900E-01
4.00000E+00	3.33800E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

POTASSIUM HYDROXIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	56.110	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION	DENSITY
4.06170E-02	1.03362E+00
6.99100E-02	1.06021E+00
9.63400E-02	1.08467E+00
1.24200E-01	1.11070E+00
1.53020E-01	1.13815E+00
1.81340E-01	1.16559E+00
2.10460E-01	1.19415E+00
2.49900E-01	1.23377E+00
2.88630E-01	1.27357E+00
3.36480E-01	1.32405E+00
3.79630E-01	1.37086E+00
4.33070E-01	1.43060E+00

TAMAS. ACTA CHIM ACAD SCI HUNG 40, 117 (1964)

MOLALITY	GAMMA
2.00200E+01	6.75000E+01
1.89400E+01	4.88000E+01
1.62300E+01	2.87000E+01
1.29960E+01	1.41000E+01
1.00400E+01	6.70000E+00
7.05600E+00	3.00000E+00
4.03700E+00	1.37000E+00
2.05000E+00	8.75000E-01
1.02200E+00	7.60000E-01
5.02000E-01	7.37000E-01

9.90000E-02 7.92000E-01
SHIBATA & MURATA. NIPPON KAGAKU ZASSHI 52, 645 (1931)

MOLALITY

GAMMA

1.00000E-01	7.76000E-01
2.00000E-01	7.39000E-01
3.00000E-01	7.21000E-01
4.00000E-01	7.13000E-01
5.00000E-01	7.12000E-01
6.00000E-01	7.12000E-01
7.00000E-01	7.15000E-01
8.00000E-01	7.21000E-01
9.00000E-01	7.28000E-01
1.00000E+00	7.35000E-01
1.20000E+00	7.54000E-01
1.40000E+00	7.78000E-01
1.60000E+00	8.04000E-01
1.80000E+00	8.32000E-01
2.00000E+00	8.63000E-01
2.50000E+00	9.47000E-01
3.00000E+00	1.05100E+00
3.50000E+00	1.18100E+00
4.00000E+00	1.31400E+00
4.50000E+00	1.49000E+00
5.00000E+00	1.67000E+00
5.50000E+00	1.90000E+00
6.00000E+00	2.14000E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	2.80000E+00
8.00000E+00	3.66000E+00
9.00000E+00	4.72000E+00
1.00000E+01	6.05000E+00
1.10000E+01	7.87000E+00
1.20000E+01	1.02000E+01
1.30000E+01	1.28000E+01
1.40000E+01	1.54000E+01
1.50000E+01	1.91000E+01
1.60000E+01	2.39000E+01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

POTASSIUM PHOSPHATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	212.280	18.015	4.0	3.0	1.0	1.0	-3.0

CONCENTRATION

RELATIVE DENSITY

5.65000E-02	1.00534E+00
1.07400E-01	1.01010E+00
1.60800E-01	1.01508E+00

2.42300E-01	1.02238E+00
3.50300E-01	1.03247E+00
5.03400E-01	1.04620E+00
6.75300E-01	1.06157E+00
9.28900E-01	1.08386E+00
1.23130E+00	1.10967E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

5.65000E-02	1.01610E+00
1.07400E-01	1.03020E+00
1.60800E-01	1.04510E+00
2.42300E-01	1.06810E+00
3.50300E-01	1.10160E+00
5.03400E-01	1.15040E+00
6.75300E-01	1.20910E+00
9.28900E-01	1.30310E+00
1.23130E+00	1.42970E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

POTASSIUM THIOCYANATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	97.180	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

2.00000E-04	9.97086E-01
5.00000E-04	9.97105E-01
1.00000E-03	9.97125E-01
2.00000E-03	9.97170E-01
5.00000E-03	9.97310E-01
1.00000E-02	9.97548E-01
2.00000E-02	9.98025E-01
5.00000E-02	9.99444E-01
1.00000E-01	1.00180E+00
2.00000E-01	1.00647E+00
5.00000E-01	1.02037E+00
9.99370E-01	1.04316E+00
2.00000E+00	1.08786E+00
4.99412E+00	1.21627E+00

JONES & RAY. JACS 63, 288 (1941)

POTASSIUM SULFATE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	174.270	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DENSITY

5.00000E-04	9.99930E-01
1.00000E-03	1.00001E+00
2.00000E-03	1.00015E+00
5.00000E-03	1.00061E+00
1.00000E-02	1.00137E+00
2.00000E-02	1.00284E+00
5.00000E-02	1.00724E+00
1.01044E-01	1.01463E+00
2.00830E-01	1.02876E+00
3.01380E-01	1.04270E+00

JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION

RELATIVE VISCOSITY

5.00000E-04	1.00028E+00
1.00000E-03	1.00040E+00
2.00000E-03	1.00061E+00
5.00000E-03	1.00101E+00
1.00000E-02	1.00157E+00
2.00000E-02	1.00241E+00
5.00000E-02	1.00441E+00
1.01044E-01	1.00795E+00
2.00830E-01	1.01614E+00
3.01380E-01	1.03040E+00

JONES & COLVIN. JACS 62, 338 (1940)

POTASSIUM SULFATE IN WATER AT 25 DEGREES

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	174.270	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DENSITY

5.00000E-04	9.97150E-01
1.00000E-03	9.97230E-01
2.00000E-03	9.97360E-01
5.00000E-03	9.97790E-01
1.00000E-02	9.98500E-01
2.00000E-02	9.99900E-01
5.00000E-02	1.00407E+00
1.00000E-01	1.01094E+00
2.00000E-01	1.02443E+00
3.00000E-01	1.03774E+00
5.00000E-01	1.06386E+00

JONES & COLVIN. JACS 62, 338 (1940)

CONCENTRATION

RELATIVE DENSITY

2.50000E-03	1.00036E+00
4.99000E-03	1.00071E+00
9.99000E-03	1.00141E+00
3.99500E-02	1.00560E+00

7.83000E-02 1.01095E+00
 8.98900E-02 1.01250E+00
 KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

CONCENTRATION

DENSITY

1.00000E-04 9.97088E-01
 2.00000E-04 9.97100E-01
 5.00000E-04 9.97140E-01
 1.00000E-03 9.97202E-01
 2.00000E-03 9.97349E-01
 5.00000E-03 9.97773E-01
 1.00000E-02 9.98478E-01
 2.00000E-02 9.99880E-01
 5.00000E-02 1.00404E+00
 9.99650E-02 1.01089E+00
 2.00075E-01 1.02441E+00
 5.00710E-01 1.06392E+00
 JONES & RAY. JACS 59, 187 (1937)

NORMALITY

DENSITY

8.80000E-02 1.00330E+00
 3.48000E-01 1.02120E+00
 5.27000E-01 1.03350E+00
 8.10000E-01 1.05200E+00
 1.10300E+00 1.07120E+00
 1.34000E+00 1.08640E+00
 TRIMBLE. J AM CHEM SOC 44, 451 (1922)

NORMALITY

DENSITY

4.74000E-01 1.02800E+00
 7.20000E-01 1.04500E+00
 1.11400E+00 1.07000E+00
 1.36200E+00 1.08600E+00
 EZROKHI. ZHUR PRIKLAD KHIM 25, 838 (1952)

NORMALITY

RELATIVE VISCOSITY

4.74000E-01 1.05200E+00
 7.20000E-01 1.08300E+00
 1.11400E+00 1.13300E+00
 1.36200E+00 1.16400E+00
 EZROKHI. ZHUR PRIKLAD KHIM 25, 838 (1952)

NORMALITY

RELATIVE VISCOSITY

1.00000E-02 1.00290E+00
 5.00000E-02 1.01260E+00
 1.00100E-01 1.02440E+00
 2.00000E-01 1.04500E+00
 3.00000E-01 1.06850E+00
 SULSTON. PROC PHYS SOC (LONDON) 47, 657 (1935)

CONCENTRATION

RELATIVE VISCOSITY

5.00000E-04	1.00039E+00
1.00000E-03	1.00062E+00
2.00000E-03	1.00103E+00
5.00000E-03	1.00198E+00
1.00000E-02	1.00334E+00
2.00000E-02	1.00586E+00
5.00000E-02	1.01281E+00
1.00000E-01	1.02380E+00
2.00000E-01	1.04535E+00
3.00000E-01	1.06760E+00
5.00000E-01	1.11470E+00

JONES & COLVIN. JACS 62, 338 (1940)

MOLALITY

RELATIVE VISCOSITY

1.00000E-01	1.02100E+00
2.00000E-01	1.04300E+00
3.00000E-01	1.06500E+00
4.00000E-01	1.08800E+00
5.00000E-01	1.11000E+00
6.00000E-01	1.13400E+00
6.97000E-01	1.15700E+00

TANAKA. NIPPON KAGAKU ZASSHI 83, 645 (1962)

CONCENTRATION

RELATIVE VISCOSITY

2.50000E-03	1.00116E+00
4.99000E-03	1.00192E+00
9.99000E-03	1.00329E+00
3.99500E-02	1.01047E+00
7.83000E-02	1.01912E+00
8.98900E-02	1.02171E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

NORMALITY

EQUIVALENT CONDUCTANCE

1.13380E-04	1.51350E+02
1.44640E-04	1.51140E+02
1.56070E-04	1.51000E+02
2.24720E-04	1.50430E+02
2.34190E-04	1.50400E+02
2.79030E-04	1.50110E+02
3.34000E-04	1.49780E+02
3.55730E-04	1.49630E+02
4.47750E-04	1.49120E+02
4.50790E-04	1.49150E+02
6.32380E-04	1.48310E+02
6.48410E-04	1.48300E+02
6.60400E-04	1.48160E+02
9.13290E-04	1.47260E+02
9.96510E-04	1.46910E+02
1.13090E-03	1.46600E+02

JENKINS & MONK. J AM CHEM SOC 72, 2695 (1950)

MOLALITY

CONDUCTIVITY

2.08100E-03	5.82880E-04
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3.06260E-03	8.38660E-04
3.70230E-03	1.00730E-03
4.11240E-03	1.11380E-03
5.63390E-03	1.49880E-03
8.07550E-03	2.09280E-03
2.93330E-02	6.79430E-03
4.18790E-02	9.34110E-03
4.73410E-02	1.04216E-02
5.97380E-02	1.28110E-02
6.40030E-02	1.36060E-02
7.33930E-02	1.53586E-02
9.53040E-02	1.93300E-02
1.14870E-01	2.27480E-02
1.46260E-01	2.81200E-02
1.69450E-01	3.19690E-02
1.83710E-01	3.42940E-02
2.10450E-01	3.85660E-02
2.24300E-01	4.07490E-02
2.42580E-01	4.35910E-02
2.53900E-01	4.53300E-02
2.69090E-01	4.76560E-02
2.81970E-01	4.96260E-02
3.04410E-01	5.29730E-02
3.32050E-01	5.70940E-02
3.41990E-01	5.85100E-02
4.17080E-01	6.92780E-02

INDELLI. RICERCA SCI 23, 2258 (1953)

NORMALITY

EQUIVALENT CONDUCTANCE

2.00000E-04	1.50600E+02
5.00000E-04	1.49000E+02
1.00000E-03	1.47100E+02
2.00000E-03	1.44500E+02
5.00000E-03	1.39200E+02
1.00000E-02	1.34000E+02
2.00000E-02	1.27500E+02
5.00000E-02	1.17750E+02
1.00000E-01	1.09250E+02
2.00000E-01	1.01150E+02
5.00000E-01	8.96000E+01
7.00000E-01	8.50000E+01
1.00000E+00	8.15000E+01
1.30000E+00	7.72500E+01

FEDOROFF. ANN DE CHIMIE, SER 11, 16, 154 (1941)

NORMALITY

EQUIVALENT CONDUCTANCE

1.00000E-03	1.48000E+02
5.00000E-03	1.39400E+02
1.00000E-02	1.34200E+02
2.00000E-02	1.28100E+02
5.00000E-02	1.18000E+02
9.99300E-02	1.09700E+02

CLEWS. PROC PHYS SOC (LONDON) 46, 764 (1934)

NORMALITY

EQUIVALENT CONDUCTANCE

5.00000E-04	1.50200E+02
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CLEWS. PROC PHYS SOC (LONDON) 47, 818 (1935)

NORMALITY

EQUIVALENT CONDUCTANCE

2.60100E-05	1.53300E+02
9.98000E-05	1.52300E+02
2.20800E-04	1.51300E+02
5.88500E-04	1.49100E+02
8.08200E-05	1.52500E+02
1.22300E-04	1.52000E+02
1.76900E-04	1.51600E+02
3.09400E-04	1.50600E+02
2.00700E-05	1.53400E+02
1.22500E-04	1.52000E+02
3.92800E-04	1.50100E+02
4.84400E-04	1.49600E+02
2.50000E-03	1.43700E+02

HARTLEY & DONALDSON. TRANS FARADAY SOC 33, 457 (1937)

NORMALITY

TRANSFERENCE NUMBER

2.50000E-03	4.78900E-01
5.00000E-03	4.81800E-01
1.00000E-02	4.82900E-01
2.00000E-02	4.84800E-01
5.00000E-02	4.87000E-01
1.00000E-01	4.89000E-01
2.00000E-01	4.91000E-01
5.00000E-01	4.90900E-01

HARTLEY & DONALDSON. TRANS FARADAY SOC 33, 457 (1937)

G/100 G OF SOLVENT

DIFFUSION COEFFICIENT

1.74000E-01	1.33000E-05
3.42000E-01	1.29400E-05
1.01700E+00	1.23000E-05
1.86500E+00	1.19600E-05
3.04000E+00	1.12800E-05
5.01500E+00	1.07000E-05
7.11600E+00	1.02900E-05
1.00000E+01	9.88000E-06
1.09500E+01	9.86000E-06
1.10600E+01	9.84000E-06
1.13000E+01	9.80000E-06

MULLIN & NIENOW. J CHEM ENGR DATA 9, 526 (1964)

MOLALITY

GAMMA

1.00000E-01	4.36000E-01
2.00000E-01	3.56000E-01
3.00000E-01	3.13000E-01
4.00000E-01	2.83000E-01
5.00000E-01	2.61000E-01
6.00000E-01	2.43000E-01
7.00000E-01	2.29000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

CONCENTRATION

GAMMA

2.50000E-02	6.02000E-01
5.00000E-02	5.04000E-01
1.25000E-01	3.76000E-01
2.50000E-01	2.99000E-01
5.00000E-01	2.40000E-01
6.25000E-01	2.20000E-01

AKERLUF. J AM CHEM SOC 48, 1160 (1926)

CONCENTRATION

GAMMA

2.50000E-02	5.97000E-01
5.00000E-02	5.00000E-01
1.25000E-01	3.73000E-01
2.48000E-01	2.97000E-01
4.94000E-01	2.38000E-01
6.21000E-01	2.18000E-01

HARNED & AKERLOF. PHYSIK Z 27, 411 (1926)

MOLALITY

GAMMA

1.00000E-01	4.41000E-01
1.25000E-01	4.16000E-01
2.00000E-01	3.61000E-01
2.50000E-01	3.37000E-01
3.00000E-01	3.17000E-01
4.00000E-01	2.87000E-01
5.00000E-01	2.64000E-01
6.00000E-01	2.47000E-01
6.25000E-01	2.43000E-01
7.00000E-01	2.33000E-01

ROBINSON, WILSON & STOKES. J AM CHEM SOC 63, 1011 (1941)

LANTHANUM CHLORIDE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	245.270	18.015	4.0	1.0	3.0	3.0	-1.0

CONCENTRATION

DENSITY

-0.	9.99871E-01
1.00000E-03	1.00011E+00
2.50000E-03	1.00047E+00
5.00000E-03	1.00107E+00
1.00000E-02	1.00221E+00
2.50000E-02	1.00570E+00
5.00000E-02	1.01150E+00
1.00000E-01	1.02302E+00
2.50395E-01	1.05717E+00
5.05272E-01	1.11443E+00
9.97033E-01	1.22039E+00

JONES & STAUFFER. JACS 62, 335 (1940)

CONCENTRATION	RELATIVE VISCOSITY
2.50000E-04	1.00051E+00
5.00000E-04	1.00072E+00
1.00000E-03	1.00129E+00
2.50000E-03	1.00266E+00
5.00000E-03	1.00444E+00
1.00000E-02	1.00751E+00
2.50000E-02	1.01614E+00
5.00000E-02	1.03003E+00
1.00000E-01	1.05621E+00
2.50395E-01	1.13872E+00
5.05272E-01	1.30640E+00
9.97033E-01	1.76661E+00
2.50462E-01	1.13876E+00

JONES & STAUFFER. JACS 62, 335 (1940)

CONCENTRATION	MOLAR CONDUCTANCE
2.50000E-04	2.16470E+02
3.60000E-04	2.14360E+02
5.00000E-04	2.12150E+02
7.50000E-04	2.08930E+02
1.00000E-03	2.06290E+02
2.50000E-03	1.96210E+02
5.00000E-03	1.87150E+02
1.00000E-02	1.76980E+02
2.50000E-02	1.63230E+02
5.00000E-02	1.52850E+02
1.00000E-01	1.42620E+02
2.50000E-01	1.27040E+02
5.00000E-01	1.11120E+02
1.00000E+00	8.63100E+01

JONES & BICKFORD. JACS 56, 602 (1934)

LANTHANUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	245.270	18.015	4.0	1.0	3.0	3.0	-1.0

CONCENTRATION	DENSITY
-0.	9.97074E-01
1.00000E-03	9.97290E-01
2.50000E-03	9.97630E-01
5.00000E-03	9.98200E-01
1.00000E-02	9.99330E-01
2.50000E-02	1.00275E+00
5.00000E-02	1.00839E+00
1.00000E-01	1.01965E+00
2.50000E-01	1.05299E+00
5.02687E-01	1.10812E+00
9.90638E-01	1.21256E+00

JONES & STAUFFER. JACS 62, 335 (1940)

CONCENTRATION

DENSITY

5.00000E-05	9.97082E-01
1.00000E-04	9.97091E-01
2.50000E-04	9.97127E-01
5.00000E-04	9.97184E-01
1.00000E-03	9.97307E-01
2.50000E-03	9.97645E-01
5.00000E-03	9.98216E-01
1.00000E-02	9.99354E-01
2.50000E-02	1.00277E+00
5.00000E-02	1.00840E+00
1.00000E-01	1.01961E+00
2.50000E-01	1.05291E+00
5.00000E-01	1.10760E+00
1.00000E+00	1.21455E+00

JONES & RAY. JACS 63, 288 (1941)

CONCENTRATION

RELATIVE VISCOSITY

2.50000E-04	1.00067E+00
5.00000E-04	1.00091E+00
1.00000E-03	1.00152E+00
2.50000E-03	1.00291E+00
5.00000E-03	1.00499E+00
1.00000E-02	1.00879E+00
2.50000E-02	1.01891E+00
5.00000E-02	1.03517E+00
1.00000E-01	1.06632E+00
2.50000E-01	1.16314E+00
5.02687E-01	1.35132E+00
9.90638E-01	1.83815E+00

JONES & STAUFFER. JACS 62, 335 (1940)

CONCENTRATION

EQUIVALENT CONDUCTANCE

7.50000E-03	1.24340E+02
1.00000E-02	1.21830E+02
1.50000E-02	1.18090E+02
2.00000E-02	1.15320E+02
5.00000E-02	1.06100E+02
1.00000E-01	9.90400E+01
2.00000E-01	9.20400E+01
5.00000E-01	8.22800E+01

LONGSWORTH & MACINNES. JACS 60, 3070 (1938)

CONCENTRATION

MOLAR CONDUCTANCE

2.50000E-04	4.14610E+02
3.60000E-04	4.10110E+02
5.00000E-04	4.05640E+02
7.50000E-04	3.98830E+02
1.00000E-03	3.93480E+02
2.50000E-03	3.72840E+02
5.00000E-03	3.54330E+02
1.00000E-02	3.33740E+02
2.50000E-02	3.05900E+02

5.00000E-02	2.84860E+02
1.00000E-01	2.63680E+02
2.50000E-01	2.31990E+02
5.00000E-01	2.00030E+02
1.00000E+00	1.53440E+02

JONES & BICKFORD. JACS 56, 602 (1934)

CONCENTRATION	
	TRANSFERENCE NUMBER
7.50000E-03	4.64100E-01
1.00000E-02	4.62500E-01
1.50000E-02	4.60100E-01
2.00000E-02	4.57600E-01
5.00000E-02	4.48200E-01
1.00000E-01	4.37500E-01
2.00000E-01	4.23300E-01
5.00000E-01	3.95800E-01

LONGSWORTH & MACINNES. JACS 60, 3070 (1938)

CONCENTRATION	
	DIFFUSION COEFFICIENT
-0.	1.29400E-05
9.30000E-04	1.17800E-05
1.16000E-03	1.16200E-05
1.27000E-03	1.16300E-05
1.40000E-03	1.15900E-05
1.95000E-03	1.14600E-05
2.40000E-03	1.13500E-05
2.72000E-03	1.12600E-05
3.07000E-03	1.12700E-05
3.38000E-03	1.12000E-05
4.01000E-03	1.11000E-05
5.52000E-03	1.10400E-05
6.68000E-03	1.08700E-05
2.60000E-02	1.02100E-05

HARNED & BLAKE. JACS 73, 4255 (1951)

MOLALITY	
	GAMMA
1.00000E-03	7.90200E-01
2.00000E-03	7.29400E-01
5.00000E-03	6.36100E-01
1.00000E-02	5.59700E-01
2.00000E-02	4.83100E-01
5.00000E-02	3.88100E-01
1.00000E-01	3.25200E-01

SHEDLOVSKY. JACS 72, 3680 (1950)

MOLALITY	
	GAMMA
3.11900E-02	4.31900E-01
2.49400E-02	4.55600E-01
1.24700E-02	5.31800E-01
6.23400E-03	6.08200E-01
3.11700E-03	6.82400E-01
2.49300E-03	7.06700E-01
1.24800E-03	7.66100E-01

SPEDDING, PORTER & WRIGHT. JACS 74, 2781 (1952)

MOLALITY

GAMMA

1.00000E-01	3.14000E-01
2.00000E-01	2.74000E-01
3.00000E-01	2.63000E-01
4.00000E-01	2.61000E-01
5.00000E-01	2.66000E-01
6.00000E-01	2.74000E-01
7.00000E-01	2.85000E-01
8.00000E-01	3.02000E-01
9.00000E-01	3.21000E-01
1.00000E+00	3.42000E-01
1.20000E+00	3.98000E-01
1.40000E+00	4.70000E-01
1.60000E+00	5.61000E-01
1.80000E+00	6.77000E-01
2.00000E+00	8.25000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

LITHIUM BROMIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	86.850	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

DENSITY

3.50000E-01	1.32000E+00
4.00000E-01	1.38100E+00
4.30000E-01	1.42000E+00
4.50000E-01	1.45000E+00
4.80000E-01	1.50000E+00
5.00000E-01	1.53000E+00
5.30000E-01	1.57500E+00
5.50000E-01	1.61000E+00
5.70000E-01	1.65000E+00
6.00000E-01	1.71600E+00
6.20000E-01	1.76000E+00

BOGATYKH & EVNOVICH. ZH PRIKL KHIM 38, 945 (1965)

MASS FRACTION

VISCOSITY

3.50000E-01	1.60000E+00
4.00000E-01	1.86000E+00
4.30000E-01	2.08000E+00
4.50000E-01	2.34000E+00
4.80000E-01	2.79000E+00
5.00000E-01	3.10000E+00
5.30000E-01	3.73000E+00
5.50000E-01	4.45000E+00
5.70000E-01	5.61000E+00
6.00000E-01	7.22000E+00
6.20000E-01	9.43000E+00

BOGATYKH. ZH PRIKL KHIM 36, 1867 (1963)

CONCENTRATION DIFFUSION COEFFICIENT

0.	1.37900E-05
5.00000E-02	1.30000E-05
1.00000E-01	1.27900E-05
2.00000E-01	1.28500E-05
3.00000E-01	1.29600E-05
5.00000E-01	1.32800E-05
7.00000E-01	1.36000E-05
1.00000E+00	1.40400E-05
1.50000E+00	1.47300E-05
2.00000E+00	1.54200E-05
2.50000E+00	1.59700E-05
3.00000E+00	1.65000E-05
3.50000E+00	1.69300E-05

STOKES. JACS 72, 2243 (1950)

MOLALITY GAMMA

1.00000E-01	7.96000E-01
2.00000E-01	7.66000E-01
3.00000E-01	7.56000E-01
4.00000E-01	7.52000E-01
5.00000E-01	7.53000E-01
6.00000E-01	7.58000E-01
7.00000E-01	7.67000E-01
8.00000E-01	7.77000E-01
9.00000E-01	7.89000E-01
1.00000E+00	8.03000E-01
1.20000E+00	8.37000E-01
1.40000E+00	8.74000E-01
1.60000E+00	9.17000E-01
1.80000E+00	9.64000E-01
2.00000E+00	1.01500E+00
2.50000E+00	1.16100E+00
3.00000E+00	1.34100E+00
3.50000E+00	1.58400E+00
4.00000E+00	1.89700E+00
4.50000E+00	2.28000E+00
5.00000E+00	2.74000E+00
5.50000E+00	3.27000E+00
6.00000E+00	3.92000E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY GAMMA

7.00000E+00	5.76000E+00
8.00000E+00	8.61000E+00
9.00000E+00	1.29200E+01
1.00000E+01	1.99200E+01
1.10000E+01	3.10000E+01
1.20000E+01	4.63000E+01
1.30000E+01	7.06000E+01
1.40000E+01	1.04700E+02
1.50000E+01	1.46000E+02
1.60000E+01	1.98000E+02
1.70000E+01	2.60000E+02
1.80000E+01	3.31000E+02

1.90000E+01 4.11000E+02
2.00000E+01 4.85000E+02
ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

LITHIUM CHLORIDE IN WATER AT 0 DEGREES C
TEMP MS MO NU NU+ NU- Z+ Z-
0. 42.390 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

DIFFUSION COEFFICIENT

1.97500E-01 5.90000E-06
1.98200E-01 5.88000E-06
1.99100E-01 5.88000E-06
3.97200E-01 5.97000E-06
5.06300E-01 6.00000E-06
5.93700E-01 6.04000E-06
7.58600E-01 6.17000E-06
7.88800E-01 6.17000E-06
9.82500E-01 6.22000E-06
9.82600E-01 6.26000E-06
1.45810E+00 6.47000E-06
1.92960E+00 6.70000E-06
2.38770E+00 6.90000E-06
2.83990E+00 7.10000E-06
2.84000E+00 7.08000E-06
3.27760E+00 7.27000E-06
3.71310E+00 7.41000E-06
4.13930E+00 7.54000E-06
4.55480E+00 7.67000E-06
4.96320E+00 7.76000E-06
5.36290E+00 7.74000E-06
6.13930E+00 7.58000E-06
6.92900E+00 7.34000E-06

VITAGLIANO. GAZ CHIM-ITAL 90, 876 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

1.97500E-01 9.35700E-01
1.98200E-01 9.35800E-01
1.99100E-01 9.36000E-01
3.97200E-01 9.91100E-01
5.06300E-01 1.02760E+00
5.93700E-01 1.05850E+00
7.58600E-01 1.11950E+00
7.88800E-01 1.13100E+00
9.82500E-01 1.20630E+00
9.82600E-01 1.20630E+00
1.45810E+00 1.39960E+00
1.92960E+00 1.59940E+00
2.38770E+00 1.79940E+00
2.83990E+00 2.00160E+00
2.84000E+00 2.00170E+00

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

LITHIUM CHLORIDE IN WATER AT 15 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
15.000	42.390	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

1.00900E+00	1.02320E+00
2.59250E+00	1.05660E+00
4.18140E+00	1.08620E+00
5.71280E+00	1.11350E+00
7.24170E+00	1.13780E+00
8.82680E+00	1.16210E+00
9.86300E+00	1.17710E+00
1.09130E+01	1.19190E+00
1.19630E+01	1.20620E+00
1.29230E+01	1.21940E+00
1.40670E+01	1.23360E+00
1.50630E+01	1.24630E+00
1.58270E+01	1.25480E+00
1.72490E+01	1.27130E+00
1.79060E+01	1.27800E+00
1.87290E+01	1.28740E+00
1.95840E+01	1.29680E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

1.00900E+00	1.30390E+00
2.59250E+00	1.60190E+00
4.18140E+00	1.94820E+00
5.71280E+00	2.35520E+00
7.24170E+00	2.88680E+00
8.82680E+00	3.57580E+00
9.86300E+00	4.16560E+00
1.09130E+01	4.88870E+00
1.19630E+01	5.79700E+00
1.29230E+01	6.82700E+00
1.40670E+01	8.23000E+00
1.50630E+01	9.75400E+00
1.58270E+01	1.10720E+01
1.72490E+01	1.40890E+01
1.79060E+01	1.56500E+01
1.87290E+01	1.80090E+01
1.95840E+01	2.08400E+01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

MOLAR CONDUCTANCE

1.34700E+00	5.47700E+01
2.62000E+00	4.58200E+01
4.34100E+00	3.58300E+01
6.13200E+00	2.78900E+01
7.99000E+00	2.12800E+01

1.01100E+01	1.49000E+01
1.18100E+01	1.11200E+01
1.43400E+01	7.37100E+00
1.75800E+01	4.25000E+00

LENGYEL, GIBER & TAMAS. MAGY KEM FOLY 66, 161 (1960)

MOLALITY

TRANSFERENCE NUMBER

1.34700E+00	2.75000E-01
2.62000E+00	2.45000E-01
4.34100E+00	2.15000E-01
6.13200E+00	1.87000E-01
7.99000E+00	1.65000E-01
1.01100E+01	1.56000E-01
1.18100E+01	1.55000E-01
1.43400E+01	1.68000E-01
1.75800E+01	1.95000E-01

LENGYEL, GIBER & TAMAS. MAGY KEM FOLY 66, 161 (1960)

MOLALITY

TRANSFERENCE NUMBER

1.34700E+00	2.72000E-01
2.62000E+00	2.46000E-01
4.34100E+00	2.17000E-01
6.13200E+00	1.86000E-01
7.99000E+00	1.63000E-01
1.01100E+01	1.57000E-01
1.18100E+01	1.54000E-01
1.43400E+01	1.64000E-01
1.75800E+01	1.90000E-01

LENGYEL & GIBER. ACTA CHIM ACAD SCI HUNG 32, 235 (1962)

MOLALITY

GAMMA

6.95000E-01	7.57000E-01
1.60800E+00	8.72000E-01
2.90200E+00	1.16800E+00
4.36500E+00	1.75600E+00
6.54500E+00	3.48700E+00
8.10300E+00	5.76000E+00
1.04100E+01	1.20000E+01
1.26900E+01	2.19200E+01
1.77300E+01	6.02300E+01

LENGYEL, GIBER & TAMAS. MAGY KEM FOLY 66, 161 (1960)

LITHIUM CHLORIDE IN WATER AT 18 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
18.000	42.390	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

1.00000E-01	1.00118E+00
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1.00000E+00 1.02240E+00
GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

RELATIVE VISCOSITY

1.90400E+00 1.31800E+00
3.53100E+00 1.66900E+00
7.34400E+00 3.11000E+00
GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

RELATIVE VISCOSITY

1.00000E-01 1.01612E+00
1.00000E+00 1.14980E+00
GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

DIFFUSION COEFFICIENT

1.67300E-01 1.05400E-05
2.97300E-01 1.04900E-05
5.92500E-01 1.06200E-05
7.87200E-01 1.07400E-05
9.31600E-01 1.08100E-05
1.31100E+00 1.10400E-05
1.92430E+00 1.14500E-05
1.92710E+00 1.14500E-05
2.34420E+00 1.16600E-05
2.37410E+00 1.17000E-05
2.83100E+00 1.19250E-05
3.27110E+00 1.21200E-05
4.22640E+00 1.24100E-05
4.94580E+00 1.25800E-05
5.34200E+00 1.26200E-05
6.11890E+00 1.23500E-05
6.86380E+00 1.18500E-05
VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

1.67300E-01 9.28000E-01
2.97300E-01 9.59500E-01
5.92500E-01 1.05810E+00
7.87200E-01 1.13090E+00
9.31600E-01 1.18690E+00
1.31100E+00 1.33870E+00
1.92430E+00 1.59290E+00
1.92710E+00 1.59410E+00
2.34420E+00 1.77090E+00
2.37410E+00 1.78370E+00
2.83100E+00 1.98020E+00
VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

LITHIUM CHLORIDE IN WATER AT 25 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 25.000 42.390 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

DENSITY

2.32430E-02 9.97660E-01
 3.70110E-02 9.98010E-01
 9.06330E-02 9.99440E-01
 1.01140E-01 9.99630E-01
 1.78400E-01 1.00153E+00
 2.02170E-01 1.00213E+00
 4.04440E-01 1.00723E+00
 4.73010E-01 1.00873E+00
 7.34530E-01 1.01498E+00
 9.65620E-01 1.02049E+00
 1.91578E+00 1.04229E+00
 2.95322E+00 1.06464E+00

JONES & BRADSHAW. JACS 54, 138 (1932)

MOLALITY

DENSITY

3.50760E+00 1.07152E+00
 5.00770E+00 1.09842E+00

STAKHANOVA & VASILEV. ZH FIZ KHIM 37, 1568 (1963)

MOLALITY

DENSITY

1.00900E+00 1.02020E+00
 2.59250E+00 1.05390E+00
 4.18140E+00 1.08340E+00
 5.71280E+00 1.11040E+00
 7.24170E+00 1.13480E+00
 8.82680E+00 1.15910E+00
 9.86300E+00 1.17420E+00
 1.09130E+01 1.18880E+00
 1.19630E+01 1.20310E+00
 1.29230E+01 1.21610E+00
 1.40670E+01 1.23010E+00
 1.50630E+01 1.24270E+00
 1.58270E+01 1.25110E+00
 1.72490E+01 1.26760E+00
 1.79060E+01 1.27430E+00
 1.87290E+01 1.28370E+00
 1.95840E+01 1.29310E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

1.00900E+00 1.02140E+00
 2.59250E+00 1.26110E+00
 4.18140E+00 1.53530E+00
 5.71280E+00 1.85980E+00
 7.24170E+00 2.27530E+00
 8.82680E+00 2.81640E+00
 9.86300E+00 3.27070E+00
 1.09130E+01 3.81030E+00
 1.19630E+01 4.49040E+00

1.29230E+01	5.24800E+00
1.40670E+01	6.26000E+00
1.50630E+01	7.36300E+00
1.58270E+01	8.27000E+00
1.72490E+01	1.03650E+01
1.79060E+01	1.14250E+01
1.87290E+01	1.30340E+01
1.95840E+01	1.48900E+01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

RELATIVE VISCOSITY

7.14100E-01	1.11900E+00
1.18900E+00	1.18800E+00
1.66600E+00	1.26500E+00
2.12300E+00	1.34300E+00
2.60800E+00	1.43300E+00
3.07800E+00	1.51700E+00
3.54000E+00	1.63400E+00
4.01600E+00	1.73500E+00
4.48500E+00	1.87900E+00
4.96400E+00	2.02000E+00

SATOH & HAYASHI. BULL CHEM SOC JAPAN 34, 1260 (1961)

CONCENTRATION

MOLAR CONDUCTANCE

4.72100E-04	1.13180E+02
2.34550E-03	1.11040E+02
5.88460E-03	1.08910E+02
1.07786E-02	1.07030E+02
1.99375E-02	1.04640E+02
3.25810E-02	1.02340E+02
9.83600E-03	1.07330E+02
1.85150E-02	1.04910E+02
4.99420E-02	1.00100E+02
6.40210E-02	9.87000E+01
1.00000E-01	9.58300E+01

SHEDLOVSKY. JACS 54, 1411 (1932)

MOLALITY

MOLAR CONDUCTANCE

1.34700E+00	6.84600E+01
2.62000E+00	5.68400E+01
4.34100E+00	4.44600E+01
6.13200E+00	3.47500E+01
7.99000E+00	2.65800E+01
1.01100E+01	1.88000E+01
1.18100E+01	1.42400E+01
1.75800E+01	6.13300E+00

LENGYEL, GIBER & TAMAS. MAGY KEM FOLY 66, 161 (1960)

CONCENTRATION

TRANSFERENCE NUMBER

0.	3.33700E-01
2.32430E-02	3.27200E-01
3.70110E-02	3.24600E-01
9.06330E-02	3.21000E-01
1.01140E-01	3.18400E-01

1.78400E-01	3.15400E-01
2.02170E-01	3.10900E-01
4.04440E-01	3.03500E-01
4.73010E-01	3.00200E-01
7.34530E-01	2.92800E-01
9.65620E-01	2.87200E-01
1.91578E+00	2.69600E-01
2.95322E+00	2.57500E-01

JONES & BRADSHAW. JACS 54, 138 (1932)

CONCENTRATION

	TRANSFERENCE NUMBER
9.83560E-03	3.29100E-01
1.11040E-02	3.28700E-01
1.85150E-02	3.26400E-01
3.25500E-02	3.23400E-01
4.99420E-02	3.21000E-01
6.40210E-02	3.19800E-01
1.00000E-01	3.16700E-01
6.40210E-02	3.16800E-01
1.00000E-01	3.20100E-01

LONGSWORTH. JACS 54, 2741 (1932)

MOLES/1000 G OF SOLUTION

	TRANSFERENCE NUMBER
2.12000E-01	3.02000E-01
9.59000E-02	3.14000E-01
9.59000E-02	3.07000E-01
9.70000E-02	3.14000E-01
1.93000E-01	2.96000E-01
2.12000E-01	3.14000E-01
2.12000E-01	3.00000E-01
2.89000E-01	2.83000E-01
2.89000E-01	3.00000E-01
2.90000E-01	3.19000E-01
4.83000E-01	3.00000E-01
5.77000E-01	3.00000E-01
5.96000E-01	2.95000E-01
5.96000E-01	3.01000E-01
8.91000E-01	2.87000E-01
1.93000E-01	2.85000E-01

BARD, WEAR, GRIFFIN & AMIS. J ELECTROANAL CHEM 8, 419 (1964)

MOLES/1000 G OF SOLUTION

	TRANSFERENCE NUMBER
4.00700E-01	2.90000E-01

WEAR, MC NULLY & AMIS. J INORG NUCL CHEM 18, 48 (1961)

CONCENTRATION

	DIFFUSION COEFFICIENT
1.17400E-01	1.26700E-05
1.28000E-01	1.26200E-05
1.67500E-01	1.26100E-05
2.71800E-01	1.26200E-05
3.16100E-01	1.26400E-05
3.34600E-01	1.26400E-05
4.22000E-01	1.26900E-05
5.86600E-01	1.27800E-05

6.59800E-01	1.28000E-05
9.44300E-01	1.30000E-05
1.16430E+00	1.31700E-05
1.66580E+00	1.34600E-05
1.89800E+00	1.36400E-05
2.04930E+00	1.37000E-05
2.83330E+00	1.41700E-05
3.20620E+00	1.43600E-05
3.81090E+00	1.46100E-05
4.09080E+00	1.46900E-05
4.45360E+00	1.47400E-05
4.55950E+00	1.47300E-05
4.63380E+00	1.47400E-05
5.93310E+00	1.45500E-05
6.38640E+00	1.43800E-05
8.11080E+00	1.24000E-05

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	1.36800E-05
5.00000E-02	1.28000E-05
1.00000E-01	1.26900E-05
2.00000E-01	1.26700E-05
3.00000E-01	1.26900E-05
5.00000E-01	1.27800E-05
7.00000E-01	1.28800E-05
1.00000E+00	1.30200E-05
1.50000E+00	1.33100E-05
2.00000E+00	1.36300E-05
2.50000E+00	1.39700E-05
3.00000E+00	1.43000E-05
3.50000E+00	1.46400E-05

STOKES. JACS 72, 2243 (1950)

CONCENTRATION

DIFFUSION COEFFICIENT

6.34000E-04	1.34800E-05
1.79000E-03	1.33100E-05
2.29000E-03	1.33500E-05
2.35000E-03	1.33500E-05
2.63000E-03	1.33400E-05
3.02000E-03	1.33100E-05
3.39000E-03	1.32700E-05
4.96000E-03	1.32600E-05
5.68000E-03	1.31900E-05
7.32000E-03	1.32000E-05
7.92000E-03	1.31500E-05
8.34000E-03	1.31300E-05
9.35000E-03	1.31200E-05
1.10000E-02	1.31300E-05

HARNED & HILDRETH. JACS 73, 650 (1951)

MOLALITY

GAMMA

1.00000E-01	7.90000E-01
2.00000E-01	7.57000E-01
3.00000E-01	7.44000E-01
4.00000E-01	7.40000E-01

5.00000E-01	7.39000E-01
6.00000E-01	7.43000E-01
7.00000E-01	7.48000E-01
8.00000E-01	7.55000E-01
9.00000E-01	7.64000E-01
1.00000E+00	7.74000E-01
1.20000E+00	7.96000E-01
1.40000E+00	8.23000E-01
1.60000E+00	8.53000E-01
1.80000E+00	8.85000E-01
2.00000E+00	9.21000E-01
2.50000E+00	1.02600E+00
3.00000E+00	1.15600E+00
3.50000E+00	1.31700E+00
4.00000E+00	1.51000E+00
4.50000E+00	1.74100E+00
5.00000E+00	2.02000E+00
5.50000E+00	2.34000E+00
6.00000E+00	2.72000E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	3.71000E+00
8.00000E+00	5.10000E+00
9.00000E+00	6.96000E+00
1.00000E+01	9.40000E+00
1.10000E+01	1.25500E+01
1.20000E+01	1.64100E+01
1.30000E+01	2.09000E+01
1.40000E+01	2.62000E+01
1.50000E+01	3.19000E+01
1.60000E+01	3.79000E+01
1.70000E+01	4.38000E+01
1.80000E+01	4.99000E+01
1.90000E+01	5.63000E+01
2.00000E+01	6.24000E+01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

1.17400E-01	9.19500E-01
1.28000E-01	9.20400E-01
1.67500E-01	9.26000E-01
2.71800E-01	9.49900E-01
3.16100E-01	9.62500E-01
3.34600E-01	9.68000E-01
4.22000E-01	9.95600E-01
5.86600E-01	1.05240E+00
6.59800E-01	1.07910E+00
9.44300E-01	1.18710E+00
1.16430E+00	1.27380E+00
1.66580E+00	1.47720E+00
1.89800E+00	1.57320E+00
2.04930E+00	1.63630E+00
2.83330E+00	1.96810E+00

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

LITHIUM CHLORIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	42.390	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

1.00900E+00	1.01760E+00
2.59250E+00	1.05070E+00
4.18140E+00	1.08000E+00
5.71280E+00	1.10680E+00
7.24170E+00	1.13140E+00
8.82680E+00	1.15620E+00
9.86300E+00	1.17120E+00
1.09130E+01	1.18570E+00
1.19630E+01	1.19990E+00
1.29230E+01	1.21270E+00
1.40670E+01	1.22660E+00
1.58270E+01	1.24750E+00
1.72490E+01	1.26390E+00
1.79060E+01	1.27050E+00
1.87290E+01	1.27990E+00
1.95840E+01	1.28910E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

1.00900E+00	8.27400E-01
2.59250E+00	1.02110E+00
4.18140E+00	1.24560E+00
5.71280E+00	1.50900E+00
7.24170E+00	1.84600E+00
8.82680E+00	2.27600E+00
9.86300E+00	2.63160E+00
1.09130E+01	3.06960E+00
1.19630E+01	3.58480E+00
1.29230E+01	4.15820E+00
1.40670E+01	4.91500E+00
1.58270E+01	6.40600E+00
1.72490E+01	7.91400E+00
1.79060E+01	8.66400E+00
1.87290E+01	9.81900E+00
1.95840E+01	1.10890E+01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

MOLAR CONDUCTANCE

1.34700E+00	8.21000E+01
2.62000E+00	6.80100E+01
4.34100E+00	5.31000E+01
6.13200E+00	4.17400E+01
7.99000E+00	3.19100E+01
1.01100E+01	2.28500E+01
1.18100E+01	1.75300E+01
1.43400E+01	1.23900E+01
1.75800E+01	7.92700E+00

LENGYEL, GIBER \$ TAMAS. MAGY KEM FOLY 66, 161 (1960)

MOLALITY

TRANSFERENCE NUMBER

1.34700E+00	2.86000E-01
2.62000E+00	2.57000E-01
4.34100E+00	2.29000E-01
6.13200E+00	1.98000E-01
7.99000E+00	1.68000E-01
1.01100E+01	1.40000E-01
1.18100E+01	1.32000E-01
1.43400E+01	1.31000E-01
1.75800E+01	1.30000E-01

LENGYEL, GIBER \$ TAMAS. MAGY KEM FOLY 66, 161 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT

1.10700E-01	1.60500E-05
1.48000E-01	1.59800E-05
2.01700E-01	1.59900E-05
2.99900E-01	1.60300E-05
3.94500E-01	1.60700E-05
6.33400E-01	1.61800E-05
8.60400E-01	1.63500E-05
9.61000E-01	1.63900E-05
1.33360E+00	1.66500E-05
1.61060E+00	1.68500E-05
2.06140E+00	1.71400E-05
2.19860E+00	1.72700E-05
2.65660E+00	1.76000E-05
3.18570E+00	1.79100E-05
3.53760E+00	1.80200E-05
3.79470E+00	1.80900E-05
4.31750E+00	1.82000E-05
4.40770E+00	1.81700E-05
4.93970E+00	1.82200E-05
5.81140E+00	1.79400E-05
6.59940E+00	1.74100E-05
7.01180E+00	1.69400E-05
5.23700E+00	1.82200E-05

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

1.10700E-01	9.16100E-01
1.48000E-01	9.19500E-01
2.01700E-01	9.28800E-01
2.99900E-01	9.52900E-01
3.94500E-01	9.80900E-01
6.33400E-01	1.06170E+00
8.60400E-01	1.14520E+00
9.61000E-01	1.18330E+00
1.33360E+00	1.32860E+00
1.61010E+00	1.43910E+00
2.06140E+00	1.62280E+00
2.19860E+00	1.67930E+00
2.65660E+00	1.86970E+00

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

CONCENTRATION

	1.0 + DLOG(GAMMA)/DLOG(M)
1.33360E+00	1.21990E+00
1.61060E+00	1.31220E+00
2.06140E+00	1.46950E+00
2.19860E+00	1.51880E+00
2.65660E+00	1.68770E+00
3.18570E+00	1.88990E+00
3.53760E+00	2.02810E+00
3.79470E+00	2.13070E+00
4.31750E+00	2.34350E+00
4.40770E+00	2.38070E+00
4.93970E+00	2.60210E+00
5.81140E+00	2.96840E+00
6.59940E+00	3.29330E+00
7.01180E+00	3.45580E+00

ROBINSON \$ STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

LITHIUM CHLORIDE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	42.390	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

	DENSITY
3.20000E-01	1.18500E+00
3.50000E-01	1.20400E+00
3.70000E-01	1.22300E+00
4.00000E-01	1.24100E+00
4.10000E-01	1.24500E+00
4.20000E-01	1.25600E+00
4.30000E-01	1.26100E+00
4.40000E-01	1.26900E+00
4.50000E-01	1.27700E+00
4.60000E-01	1.28500E+00

BOGATYKH \$ EVNOVICH. ZH PRIKL KHM 38, 945 (1965)

MASS FRACTION

	VISCOSITY
3.20000E-01	2.26000E+00
3.50000E-01	2.94000E+00
3.70000E-01	3.49000E+00
4.00000E-01	4.37000E+00
4.10000E-01	4.48000E+00
4.20000E-01	4.99000E+00
4.30000E-01	5.38000E+00
4.40000E-01	6.06000E+00
4.50000E-01	6.55000E+00
4.60000E-01	7.22000E+00

BOGATYKH. ZH PRIKL KHM 36, 1867 (1963)

CONCENTRATION

CONDUCTIVITY

5.00000E-01	6.16000E-02
1.00000E+00	1.10380E-01
1.50000E+00	1.50460E-01
2.00000E+00	1.84320E-01
3.00000E+00	2.35100E-01
4.00000E+00	2.67580E-01

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

NORMALITY

TRANSFERENCE NUMBER

3.00000E+00	2.70000E-01
5.00000E+00	2.51000E-01
6.00000E+00	2.48000E-01
7.00000E+00	2.46000E-01
9.00000E+00	2.45000E-01
1.00000E+01	2.45000E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

1.86600E-01	2.19000E-05
2.45700E-01	2.18300E-05
2.94600E-01	2.17600E-05
3.92500E-01	2.17400E-05
4.21200E-01	2.17600E-05
4.89200E-01	2.17800E-05
4.89200E-01	2.18000E-05
5.86600E-01	2.18500E-05
9.70100E-01	2.21000E-05
1.23230E+00	2.24200E-05
1.44180E+00	2.26200E-05
1.44190E+00	2.26400E-05
1.90420E+00	2.30600E-05
2.35810E+00	2.33400E-05
2.35800E+00	2.33400E-05
2.80260E+00	2.36200E-05
3.66270E+00	2.39400E-05
3.66560E+00	2.39700E-05
4.49530E+00	2.40600E-05
4.49600E+00	2.40600E-05
5.29280E+00	2.38500E-05
5.29290E+00	2.38500E-05

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

1.86600E-01	9.18200E-01
2.45700E-01	9.30200E-01
2.94600E-01	9.42200E-01
3.92500E-01	9.69300E-01
4.21200E-01	9.77800E-01
4.89200E-01	9.99000E-01
4.89200E-01	9.99000E-01
5.86600E-01	1.03080E+00
9.70100E-01	1.16640E+00
1.23230E+00	1.26430E+00
1.44180E+00	1.34440E+00
1.44190E+00	1.34440E+00
1.90420E+00	1.52510E+00

2.35810E+00	1.70660E+00
2.35800E+00	1.70660E+00
2.80260E+00	1.88750E+00

VITAGLIANO. GAZ CHIM ITAL 90, 876 (1960)

LITHIUM CHLORATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	90.390	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.97070E-01
2.18800E-02	9.98200E-01
1.00200E-01	1.00250E+00
5.12100E-01	1.02430E+00
8.53200E-01	1.04200E+00
1.24700E+00	1.06310E+00
1.64000E+00	1.08340E+00
2.11300E+00	1.10820E+00
2.92800E+00	1.15050E+00
3.11500E+00	1.15940E+00
3.74200E+00	1.19150E+00
4.54900E+00	1.23200E+00
4.90800E+00	1.25020E+00
5.15700E+00	1.26330E+00
6.19900E+00	1.31600E+00
7.18500E+00	1.36430E+00
7.76200E+00	1.39330E+00
8.04700E+00	1.40740E+00
8.94700E+00	1.45190E+00
1.01900E+01	1.51360E+00
1.14900E+01	1.57760E+00
1.28000E+01	1.64260E+00
1.39300E+01	1.70020E+00
1.42700E+01	1.71870E+00
1.61500E+01	1.81000E+00
1.79500E+01	1.89890E+00
1.90300E+01	1.95100E+00
1.93300E+01	1.96270E+00

CAMPBELL & PATERSON. CAN J CHEM 36, 1004 (1958)

CONCENTRATION

RELATIVE VISCOSITY

2.18800E-02	1.00200E+00
1.00200E-01	1.01500E+00
5.12100E-01	1.06700E+00
8.53200E-01	1.11000E+00
1.24700E+00	1.16900E+00
1.64000E+00	1.22900E+00
2.11300E+00	1.31500E+00
2.92800E+00	1.47200E+00
3.11500E+00	1.50800E+00
3.74200E+00	1.64200E+00
4.54900E+00	1.89500E+00

4.90800E+00	2.01900E+00
5.15700E+00	2.11500E+00
6.19900E+00	2.59400E+00
7.18500E+00	3.14000E+00
7.76200E+00	3.58500E+00
8.04700E+00	3.83800E+00
8.94700E+00	5.17000E+00
1.01900E+01	6.89400E+00
1.14900E+01	1.02900E+01
1.28000E+01	1.63700E+01
1.39300E+01	2.45300E+01
1.42700E+01	2.83800E+01
1.61500E+01	6.62600E+01
1.79500E+01	1.66500E+02
1.90300E+01	3.34000E+02

CAMPBELL & PATERSON. CAN J CHEM 36, 1004 (1958)

CONCENTRATION

MOLAR CONDUCTANCE

2.18800E-02	9.33100E+01
1.00200E-01	8.47800E+01
5.12100E-01	7.18500E+01
8.53200E-01	6.63600E+01
1.24700E+00	6.15800E+01
1.64000E+00	5.71900E+01
2.11300E+00	5.24500E+01
2.92800E+00	4.56700E+01
3.11500E+00	4.41100E+01
3.74200E+00	3.99400E+01
4.54900E+00	3.39000E+01
4.90800E+00	3.16900E+01
5.15700E+00	3.01700E+01
6.19900E+00	2.43800E+01
7.18500E+00	1.97600E+01
7.76200E+00	1.73500E+01
8.04700E+00	1.63000E+01
8.94700E+00	1.32900E+01
1.01900E+01	1.01100E+01
1.14900E+01	7.52100E+00
1.28000E+01	5.61800E+00
1.39300E+01	4.31300E+00
1.42700E+01	3.95500E+00
1.61500E+01	2.43200E+00
1.79500E+01	1.34100E+00
1.90300E+01	8.63900E-01
1.93300E+01	7.69500E-01

CAMPBELL & PATERSON. CAN J CHEM 36, 1004 (1958)

LITHIUM CHLORATE IN WATER AT 131.8 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
131.800	90.390	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.33600E-01
1.13100E-01	9.40700E-01
5.32100E-01	9.64500E-01
1.16900E+00	9.99400E-01
1.72900E+00	1.02940E+00
2.37400E+00	1.06410E+00
3.06600E+00	1.10060E+00
3.79400E+00	1.13820E+00
4.58900E+00	1.17990E+00
5.54800E+00	1.23020E+00
6.57200E+00	1.28180E+00
8.16500E+00	1.36300E+00
9.34500E+00	1.42010E+00
1.14000E+01	1.52510E+00
1.26400E+01	1.58550E+00
1.46500E+01	1.68600E+00
1.74200E+01	1.81970E+00
2.04600E+01	1.96810E+00
2.31100E+01	2.08890E+00

CAMPBELL & PATERSON. CAN J CHEM 36, 1004 (1958)

CONCENTRATION

VISCOSITY

-0.	2.09000E-01
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CONCENTRATION

RELATIVE VISCOSITY

1.13100E-01	1.01300E+00
5.32100E-01	1.04700E+00
1.16900E+00	1.11000E+00
1.72900E+00	1.16500E+00
2.37400E+00	1.25700E+00
3.06600E+00	1.32300E+00
3.79400E+00	1.40800E+00
4.58900E+00	1.51900E+00
5.54800E+00	1.68600E+00
6.57200E+00	1.90300E+00
8.16500E+00	2.36400E+00
9.34500E+00	2.83800E+00
1.14000E+01	4.26300E+00
1.26400E+01	5.47700E+00
1.46500E+01	8.83600E+00
1.74200E+01	1.74800E+01
2.04600E+01	4.33800E+01
2.31100E+01	1.13000E+02

CAMPBELL & PATERSON. CAN J CHEM 36, 1004 (1958)

CONCENTRATION

MOLAR CONDUCTANCE

1.13100E-01	3.04020E+02
5.32100E-01	2.44790E+02
1.16900E+00	2.03760E+02
1.72900E+00	1.79280E+02
2.37400E+00	1.55310E+02
3.06600E+00	1.36500E+02
3.79400E+00	1.16420E+02
4.58900E+00	1.00890E+02
5.54800E+00	8.30400E+01
6.57200E+00	6.77200E+01
8.16500E+00	4.95000E+01
9.34500E+00	3.96200E+01

1.14000E+01	2.77300E+01
1.26400E+01	2.30900E+01
1.46500E+01	1.75900E+01
1.74200E+01	1.24900E+01
2.04600E+01	8.06400E+00
2.31100E+01	5.10800E+00

CAMPBELL & PATERSON. CAN J CHEM 36, 1004 (1958)

LITHIUM PERCHLORATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	106.390	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.30900E-05
3.30000E-03	1.27700E-05
4.30000E-03	1.27800E-05
4.55000E-03	1.27500E-05
5.30000E-03	1.27300E-05
6.40000E-03	1.27100E-05

HARNED, PARKER & BLANDER. JACS 77, 2071 (1955)

LITHIUM FLUORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	25.940	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

1.00000E-04	9.97078E-01
2.00000E-04	9.97079E-01
5.00000E-04	9.97088E-01
1.00000E-03	9.97094E-01
2.00000E-03	9.97118E-01
5.00000E-03	9.97206E-01
1.00000E-02	9.97348E-01
2.00000E-02	9.97630E-01
3.00000E-02	9.97902E-01

JONES & RAY. JACS 63, 288 (1941)

LITHIUM NITRATE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
-0.	68.940	18.015	2.0	1.0	1.0	1.0	-1.0

MOLES/1000 G OF SOLUTION
DENSITY

4.01000E-02	1.00161E+00
4.01000E-02	1.00161E+00
8.33000E-02	1.00347E+00
8.33000E-02	1.00352E+00
1.02600E-01	1.00447E+00
1.02600E-01	1.00449E+00
2.29400E-01	1.00990E+00
2.29400E-01	1.00990E+00
4.17900E-01	1.01818E+00
4.17900E-01	1.01815E+00
4.17900E-01	1.01817E+00
4.81800E-01	1.02099E+00
8.57700E-01	1.03775E+00
1.13400E+00	1.05021E+00
1.13400E+00	1.05019E+00
1.57200E+00	1.07040E+00
1.57200E+00	1.07036E+00
2.09900E+00	1.09505E+00
2.50800E+00	1.11466E+00
2.50800E+00	1.11453E+00
2.50800E+00	1.11466E+00

APPLEBEY. J CHEM SOC 97, 2000 (1910)

MOLES/1000 G OF SOLUTION
RELATIVE VISCOSITY

4.01000E-02	1.00320E+00
8.33000E-02	1.00580E+00
1.02600E-01	1.00760E+00
2.29400E-01	1.01545E+00
4.17900E-01	1.02780E+00
4.81800E-01	1.03250E+00
8.57700E-01	1.06160E+00
1.13400E+00	1.08750E+00
1.57200E+00	1.13450E+00
2.09900E+00	1.20670E+00
2.50800E+00	1.27700E+00

APPLEBEY. J CHEM SOC 97, 2000 (1910)

LITHIUM NITRATE IN WATER AT 18 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
18.000	68.940	18.015	2.0	1.0	1.0	1.0	-1.0

MOLES/1000 G OF SOLUTION
DENSITY

7.24000E-03	9.98920E-01
1.31000E-02	9.99160E-01
1.31000E-02	9.99150E-01
3.79000E-02	1.00016E+00
7.84000E-02	1.00183E+00
7.84000E-02	1.00183E+00

1.44600E-01	1.00452E+00
1.44600E-01	1.00453E+00
2.65300E-01	1.00951E+00
7.03400E-01	1.02769E+00
7.03400E-01	1.02768E+00
1.28300E+00	1.05245E+00
1.47100E+00	1.06066E+00
1.47100E+00	1.06061E+00
2.52800E+00	1.10812E+00
2.52800E+00	1.10812E+00
2.55000E+00	1.10959E+00
2.55000E+00	1.10956E+00
3.12000E+00	1.13685E+00
3.27900E+00	1.14475E+00
3.27900E+00	1.14475E+00
4.36300E+00	1.20080E+00
4.36300E+00	1.20100E+00

APPLEBEY. J CHEM SOC 97, 2000 (1910)

MOLES/1000 G OF SOLUTION
RELATIVE VISCOSITY

7.24000E-03	1.00124E+00
1.31000E-02	1.00200E+00
3.79000E-02	1.00470E+00
7.84000E-02	1.00905E+00
1.44600E-01	1.01545E+00
2.65300E-01	1.02780E+00
7.03400E-01	1.07370E+00
1.28300E+00	1.14395E+00
1.47100E+00	1.16990E+00
2.52800E+00	1.34985E+00
2.55000E+00	1.35790E+00
3.12000E+00	1.49060E+00
3.27900E+00	1.53670E+00
4.36300E+00	1.93460E+00

APPLEBEY. J CHEM SOC 97, 2000 (1910)

LITHIUM NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	68.940	18.015	2.0	1.0	1.0	1.0	-1.0

MOLES/1000 G OF SOLUTION
DENSITY

-0.	9.97070E-01
1.29600E-01	1.00225E+00
1.37800E-01	1.00262E+00
1.45800E-01	1.00292E+00
1.57100E-01	1.00338E+00
1.72400E-01	1.00396E+00
1.97100E-01	1.00500E+00
2.13700E-01	1.00566E+00
3.14500E-01	1.00969E+00
3.25500E-01	1.01008E+00
3.60500E-01	1.01157E+00

3.90500E-01	1.01276E+00
4.85100E-01	1.01666E+00
6.06600E-01	1.02161E+00
8.28300E-01	1.03080E+00
9.05900E-01	1.03401E+00
1.09680E+00	1.04205E+00
1.27630E+00	1.04967E+00
1.86390E+00	1.07528E+00
2.20270E+00	1.09047E+00
2.46020E+00	1.10223E+00
3.40860E+00	1.14759E+00
5.87600E+00	1.28342E+00

APPLEBEY, J CHEM SOC 97, 2000 (1910)

CONCENTRATION

DENSITY

9.97000E-03	9.97000E-01
9.90000E-02	1.00100E+00
5.53000E-01	1.01800E+00
9.58000E-01	1.03500E+00
9.95000E-01	1.03600E+00
1.88500E+00	1.07000E+00
2.74000E+00	1.10300E+00
2.95700E+00	1.11100E+00
3.45600E+00	1.13000E+00
3.69800E+00	1.13900E+00
4.85700E+00	1.18200E+00
5.33700E+00	1.20100E+00
5.70300E+00	1.21500E+00
6.91600E+00	1.25900E+00
7.42700E+00	1.27700E+00
8.72600E+00	1.32300E+00
9.12400E+00	1.33900E+00
9.13500E+00	1.34000E+00
9.98600E+00	1.36800E+00
1.15000E+01	1.42700E+00
1.21700E+01	1.45600E+00
1.35500E+01	1.49800E+00

CAMPBELL, DEBUS & KARTZMARK. CAN J CHEM 33, 1508 (1955)

CONCENTRATION

DENSITY

1.05720E-02	9.97510E-01
2.10610E-02	9.97930E-01
2.97750E-02	9.98300E-01
3.88480E-02	9.98660E-01
5.08210E-02	9.98970E-01
5.91580E-02	9.99490E-01
6.98720E-02	9.99910E-01
7.62340E-02	1.00010E+00
9.17010E-02	1.00079E+00
1.01110E-01	1.00112E+00
1.49800E-01	1.00332E+00
1.99370E-01	1.00506E+00
2.99180E-01	1.00902E+00
3.99000E-01	1.01293E+00
4.59410E-01	1.01532E+00
5.81420E-01	1.02009E+00
7.11350E-01	1.02509E+00
8.16400E-01	1.02930E+00

9.11910E-01 1.03301E+00
1.00464E+00 1.03667E+00
CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

MOLES/1000 G OF SOLUTION
RELATIVE VISCOSITY

1.74000E-02 1.00260E+00
2.99000E-02 1.00400E+00
5.67000E-02 1.00670E+00
8.25000E-02 1.00990E+00
1.07100E-01 1.01250E+00
2.33300E-01 1.02670E+00
3.23800E-01 1.03540E+00
3.64300E-01 1.04050E+00
5.38500E-01 1.05975E+00
8.66600E-01 1.09300E+00
9.66300E-01 1.11120E+00
1.31600E+00 1.15670E+00
2.27190E+00 1.31510E+00
3.85410E+00 1.74075E+00
4.57800E+00 2.05770E+00
5.84900E+00 3.02550E+00

APPLEBEY. J CHEM SOC 97, 2000 (1910)

CONCENTRATION
RELATIVE VISCOSITY

9.97000E-03 1.00500E+00
9.90000E-02 1.01300E+00
5.53000E-01 1.06300E+00
9.58000E-01 1.10900E+00
9.95000E-01 1.11100E+00
1.88500E+00 1.22100E+00
2.74000E+00 1.35100E+00
2.95700E+00 1.39000E+00
3.45600E+00 1.49000E+00
3.69800E+00 1.53400E+00
4.85700E+00 1.82600E+00
5.33700E+00 1.98400E+00
5.70300E+00 2.12200E+00
6.91600E+00 1.63700E+00 (sic)
7.42700E+00 1.91400E+00 (sic)
8.72600E+00 3.84900E+00
9.12400E+00 4.21800E+00
9.13500E+00 4.23600E+00
9.98600E+00 5.14200E+00
1.15000E+01 7.98700E+00
1.35500E+01 1.48800E+01

CAMPBELL, DEBUS & KARTZMARK. CAN J CHEM 33, 1508 (1955)

CONCENTRATION
RELATIVE VISCOSITY

1.05720E-02 1.00000E+00
2.10610E-02 9.99000E-01
2.97750E-02 1.00400E+00
3.88480E-02 1.00500E+00
5.91580E-02 1.00700E+00
6.98720E-02 1.00900E+00
7.62340E-02 1.00800E+00
9.17010E-02 1.01100E+00

1.01110E-01	1.01100E+00
1.49800E-01	1.01700E+00
1.99370E-01	1.02200E+00
2.99180E-01	1.04300E+00
3.99000E-01	1.04200E+00
4.59410E-01	1.05000E+00
5.81420E-01	1.06000E+00
7.11350E-01	1.07500E+00
8.16400E-01	1.08700E+00
9.11910E-01	1.09800E+00
1.00464E+00	1.11400E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

MOLAR CONDUCTANCE

9.97000E-03	1.02790E+02
9.90000E-02	9.17400E+01
5.53000E-01	7.68600E+01
9.58000E-01	7.02600E+01
9.95000E-01	6.97800E+01
1.88500E+00	5.89500E+01
2.74000E+00	5.06000E+01
2.95700E+00	4.89800E+01
3.45600E+00	4.47200E+01
3.69800E+00	4.28100E+01
4.85700E+00	3.46800E+01
5.33700E+00	3.16600E+01
5.70300E+00	2.95400E+01
6.91600E+00	2.35200E+01
7.42700E+00	2.12400E+01
8.72600E+00	1.65100E+01
9.12400E+00	1.52100E+01
9.13500E+00	1.51800E+01
9.98600E+00	1.27900E+01
1.15000E+01	9.28000E+00
1.21700E+01	7.99000E+00
1.35500E+01	6.03000E+00

CAMPBELL, DEBUS & KARTZMARK. CAN J CHEM 33, 1508 (1955)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.05720E-02	1.02440E+02
2.10610E-02	9.99700E+01
2.97750E-02	9.80700E+01
3.88480E-02	9.70500E+01
5.08210E-02	9.56600E+01
5.91580E-02	9.47300E+01
6.98720E-02	9.35100E+01
7.62340E-02	9.30700E+01
9.17010E-02	9.21300E+01
1.01110E-01	9.14600E+01
1.49800E-01	8.87200E+01
1.99370E-01	8.66100E+01
2.99180E-01	8.31900E+01
3.99000E-01	8.05300E+01
4.59410E-01	7.91000E+01
5.81420E-01	7.66200E+01
7.11350E-01	7.41800E+01
8.16400E-01	7.25100E+01
9.11910E-01	7.10000E+01

1.00464E+00 6.96400E+01
CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

MOLALITY

CONDUCTIVITY

6.50000E+00	1.60000E-01
1.01000E+01	1.45000E-01
1.25000E+01	1.27000E-01
1.44000E+01	1.18000E-01
1.85000E+01	9.90000E-02
2.26000E+01	8.70000E-02

BAKULIN. ZH FIZ KHIM 36, 2782 (1962)

NORMALITY

TRANSFERENCE NUMBER

5.00000E+00	3.10000E-01
6.00000E+00	3.21000E-01
7.00000E+00	3.32000E-01
9.00000E+00	3.58000E-01
1.00000E+01	3.76000E-01
1.20000E+01	4.10000E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	1.33700E-05
1.00000E-01	1.24000E-05
2.00000E-01	1.24300E-05
5.00000E-01	1.26000E-05
1.00000E+00	1.29300E-05
1.50000E+00	1.31700E-05
2.00000E+00	1.33200E-05
2.50000E+00	1.33600E-05
3.00000E+00	1.33200E-05
4.00000E+00	1.29200E-05
5.00000E+00	1.23800E-05
6.00000E+00	1.15700E-05

WISHAW & STOKES. JACS 76, 2065 (1954)

CONCENTRATION

DIFFUSION COEFFICIENT

7.10000E-02	1.24000E-05
7.10000E-02	1.24300E-05
1.27800E-01	1.24000E-05
1.27800E-01	1.24000E-05
2.68100E-01	1.24700E-05
2.68100E-01	1.24700E-05
5.98900E-01	1.26700E-05
5.98900E-01	1.26400E-05
1.01400E+00	1.29400E-05
1.01400E+00	1.29300E-05
1.57300E+00	1.32000E-05
1.57300E+00	1.31900E-05
2.52900E+00	1.33500E-05
2.52900E+00	1.33700E-05
3.28300E+00	1.32600E-05
3.28300E+00	1.32300E-05
4.35000E+00	1.27600E-05

4.35000E+00	1.27600E-05
5.12700E+00	1.23000E-05
5.12700E+00	1.22700E-05
6.40400E+00	1.11700E-05
6.40400E+00	1.11700E-05

WISHAW \$ STOKES. JACS 76, 2065 (1954)

CONCENTRATION	DIFFUSION COEFFICIENT
3.33000E-03	1.29500E-05
5.85000E-03	1.28700E-05
9.23000E-03	1.27500E-05
1.00000E-02	1.27800E-05
1.28700E-02	1.27300E-05
1.53300E-02	1.26800E-05

HARNED \$ SHROPSHIRE. JACS 80, 2967 (1958)

MOLALITY	GAMMA
1.00000E-01	7.88000E-01
2.00000E-01	7.52000E-01
3.00000E-01	7.36000E-01
4.00000E-01	7.28000E-01
5.00000E-01	7.26000E-01
6.00000E-01	7.27000E-01
7.00000E-01	7.29000E-01
8.00000E-01	7.33000E-01
9.00000E-01	7.37000E-01
1.00000E+00	7.43000E-01
1.20000E+00	7.57000E-01
1.40000E+00	7.74000E-01
1.60000E+00	7.92000E-01
1.80000E+00	8.12000E-01
2.00000E+00	8.35000E-01
2.50000E+00	8.96000E-01
3.00000E+00	9.66000E-01
3.50000E+00	1.04400E+00
4.00000E+00	1.12500E+00
4.50000E+00	1.21500E+00
5.00000E+00	1.31000E+00
5.50000E+00	1.40700E+00
6.00000E+00	1.50600E+00

ROBINSON \$ STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY	GAMMA
7.00000E+00	1.72300E+00
8.00000E+00	1.95200E+00
9.00000E+00	2.19000E+00
1.00000E+01	2.44000E+00
1.10000E+01	2.69000E+00
1.20000E+01	2.95000E+00
1.30000E+01	3.20000E+00

ROBINSON \$ STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

LITHIUM NITRATE IN WATER AT 35 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 35.000 68.940 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

DENSITY

1.05400E-02	9.94460E-01
2.09960E-02	9.94850E-01
2.96830E-02	9.95230E-01
3.87290E-02	9.95590E-01
5.06640E-02	9.95890E-01
5.89750E-02	9.96400E-01
6.96540E-02	9.96790E-01
7.59990E-02	9.97000E-01
9.14180E-02	9.97700E-01
1.00790E-01	9.97980E-01
1.49290E-01	9.99970E-01
1.98740E-01	1.00186E+00
2.98210E-01	1.00576E+00
3.97690E-01	1.00960E+00
4.57870E-01	1.01192E+00
5.79450E-01	1.01662E+00
7.08890E-01	1.02154E+00
8.13510E-01	1.02566E+00
9.08620E-01	1.02929E+00
1.00100E+00	1.03287E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

RELATIVE VISCOSITY

1.05400E-02	1.00000E+00
2.09960E-02	1.00200E+00
2.96830E-02	1.00300E+00
3.87290E-02	1.00600E+00
5.89750E-02	1.00800E+00
6.96540E-02	1.01000E+00
7.59990E-02	1.00800E+00
9.14180E-02	1.01200E+00
1.00790E-01	1.01400E+00
1.49290E-01	1.02000E+00
1.98740E-01	1.02400E+00
2.98210E-01	1.04400E+00
3.97690E-01	1.04500E+00
4.57870E-01	1.05500E+00
5.79450E-01	1.06600E+00
7.08890E-01	1.08100E+00
8.13510E-01	1.09400E+00
9.08620E-01	1.10600E+00
1.00100E+00	1.11700E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.05400E-02	1.23930E+02
2.09960E-02	1.20730E+02
2.96830E-02	1.18790E+02
3.87290E-02	1.17230E+02

5.06640E-02	1.15440E+02
5.89750E-02	1.14370E+02
6.96540E-02	1.12860E+02
7.59990E-02	1.12260E+02
9.14180E-02	1.11110E+02
1.00790E-01	1.10270E+02
1.49290E-01	1.06910E+02
1.98740E-01	1.04280E+02
2.98210E-01	1.00000E+02
3.97690E-01	9.67100E+01
4.57870E-01	9.49600E+01
5.79450E-01	9.18700E+01
7.08890E-01	8.88600E+01
8.13510E-01	8.67900E+01
9.08620E-01	8.49600E+01
1.00100E+00	8.32600E+01

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

LITHIUM NITRATE IN WATER AT 110 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
110.000	68.940	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

	DENSITY
-0.	9.51000E-01
9.72000E-02	9.56000E-01
4.93600E-01	9.73000E-01
9.17700E-01	9.88000E-01
1.80200E+00	1.02400E+00
2.63400E+00	1.05300E+00
3.19800E+00	1.07600E+00
4.25200E+00	1.11700E+00
5.45900E+00	1.16000E+00
7.10900E+00	1.22200E+00
8.41100E+00	1.27000E+00
9.23700E+00	1.30000E+00
1.10600E+01	1.36400E+00
1.23100E+01	1.40500E+00
1.43600E+01	1.47600E+00

CAMPBELL, DEBUS & KARTZMARK. CAN J CHEM 33, 1508 (1955)

CONCENTRATION

	RELATIVE VISCOSITY
9.72000E-02	1.01000E+00
4.93600E-01	1.05300E+00
9.17700E-01	1.09400E+00
1.80200E+00	1.18500E+00
2.63400E+00	1.27600E+00
3.19800E+00	1.34600E+00
4.25200E+00	1.51600E+00
5.45900E+00	1.73900E+00
7.10900E+00	2.19700E+00
8.41100E+00	2.65800E+00
9.23700E+00	3.09700E+00

1.10600E+01	4.48100E+00
1.23100E+01	5.48000E+00
1.43600E+01	7.92000E+00

CAMPBELL, DEBUS & KARTZMARK. CAN J CHEM 33, 1508 (1955)

CONCENTRATION

MOLAR CONDUCTANCE

9.72000E-02	2.84560E+02
4.93600E-01	2.25710E+02
9.17700E-01	2.00810E+02
1.80200E+00	1.64030E+02
2.63400E+00	1.38530E+02
3.19800E+00	1.24750E+02
4.625200E+00	1.03250E+02
5.45900E+00	8.20000E+01
7.10900E+00	6.20000E+01
8.41100E+00	5.05700E+01
9.23700E+00	4.46700E+01
1.10600E+01	3.35000E+01
1.23100E+01	2.97200E+01
1.43600E+01	2.31000E+01

CAMPBELL, DEBUS & KARTZMARK. CAN J CHEM 33, 1508 (1955)

LITHIUM SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	109.940	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

RELATIVE DENSITY

8.40000E-04	1.00008E+00
1.71000E-03	1.00017E+00
4.22000E-03	1.00041E+00
8.56000E-03	1.00083E+00
1.69000E-02	1.00163E+00
4.28000E-02	1.00409E+00
8.55900E-02	1.00813E+00
1.73090E-01	1.01626E+00

KAMINSKY. Z PHYSIK CHEM NF 8, 173 (1956)

CONCENTRATION

RELATIVE VISCOSITY

8.40000E-04	1.00092E+00
1.71000E-03	1.00156E+00
4.22000E-03	1.00321E+00
8.56000E-03	1.00593E+00
1.69000E-02	1.01074E+00
4.28000E-02	1.02533E+00
8.55900E-02	1.04887E+00
1.73090E-01	1.09692E+00

KAMINSKY. Z PHYSIK CHEM NF 8, 173 (1956)

CONCENTRATION

MOLAR CONDUCTANCE

5.00000E-01	8.95900E+01
1.25000E-01	1.28400E+02
6.25000E-02	1.44500E+02
3.12500E-02	1.59300E+02
7.81250E-03	1.88500E+02
1.95310E-03	2.02800E+02
9.76560E-04	2.11400E+02
4.88280E-04	2.19500E+02

JONES & JACOBSON. AM CHEM J 40, 355 (1908)

MOLALITY

CONDUCTIVITY

3.92780E-03	8.08820E-04
5.95570E-03	1.19090E-03
8.93510E-03	1.72700E-03
1.29580E-02	2.42010E-03
1.96930E-02	3.51670E-03
2.94520E-02	5.01730E-03
3.76600E-02	6.21550E-03
5.21990E-02	8.21600E-03
5.39560E-02	8.45700E-03
6.09410E-02	9.37480E-03
8.31120E-02	1.21680E-02
1.18000E-01	1.62340E-02
1.27020E-01	1.72240E-02
1.74410E-01	2.21710E-02
2.45990E-01	2.89020E-02
2.67180E-01	3.07440E-02
3.14310E-01	3.46430E-02
3.62740E-01	3.83680E-02
4.15640E-01	4.21880E-02
4.85460E-01	4.68110E-02
5.37660E-01	5.00410E-02
6.60880E-01	5.67680E-02

INDELLI. RICERCA SCI 23, 2258 (1953)

NORMALITY

TRANSFERENCE NUMBER

2.00000E-02	3.85000E-01
5.00000E-02	3.86000E-01
1.00000E-01	3.50000E-01
1.00000E+00	2.83000E-01
1.50000E+00	2.59000E-01
2.00000E+00	2.36000E-01
3.00000E+00	2.26000E-01
5.00000E+00	2.11000E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

6.40000E-04	1.00000E-05
7.10000E-04	9.97000E-06
7.10000E-04	9.98000E-06
8.50000E-04	9.93000E-06
2.10000E-03	9.73000E-06
2.67000E-03	9.68000E-06
3.48000E-03	9.61000E-06
4.40000E-03	9.54000E-06

5.73000E-03 9.46000E-06
HARNED & BLAKE. JACS 73, 2448 (1951)

CONCENTRATION

GAMMA

2.50000E-02	6.13000E-01
5.00000E-02	5.22000E-01
1.25000E-01	4.25000E-01
2.50000E-01	3.64000E-01
5.00000E-01	3.08000E-01
1.00000E+00	2.63000E-01
1.50000E+00	2.59000E-01
2.00000E+00	2.54000E-01

AKERLCF. J AM CHEM SOC 48, 1160 (1926)

CONCENTRATION

GAMMA

2.50000E-02	6.01000E-01
5.00000E-02	5.12000E-01
1.25000E-01	4.17000E-01
2.49000E-01	3.57000E-01
4.95000E-01	3.02000E-01
9.79000E-01	2.58000E-01
1.44700E+00	2.54000E-01
1.90300E+00	2.49000E-01

HARNED & AKERLOF. PHYSIK Z 27, 411 (1926)

MOLALITY

GAMMA

1.00000E-01	4.78000E-01
2.00000E-01	4.06000E-01
3.00000E-01	3.69000E-01
4.00000E-01	3.44000E-01
5.00000E-01	3.26000E-01
6.00000E-01	3.13000E-01
7.00000E-01	3.03000E-01
8.00000E-01	2.95000E-01
9.00000E-01	2.88000E-01
1.00000E+00	2.83000E-01
1.20000E+00	2.77000E-01
1.40000E+00	2.73000E-01
1.60000E+00	2.71000E-01
1.80000E+00	2.70000E-01
2.00000E+00	2.69000E-01
2.50000E+00	2.80000E-01
3.00000E+00	2.94000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

1.00000E-01	4.68000E-01
2.00000E-01	3.99000E-01
3.00000E-01	3.62000E-01
4.00000E-01	3.38500E-01
5.00000E-01	3.21500E-01
6.00000E-01	3.08500E-01
7.00000E-01	2.99000E-01
8.00000E-01	2.91000E-01

9.00000E-01	2.85000E-01
1.00000E+00	2.80500E-01
1.50000E+00	2.68500E-01
2.00000E+00	2.69000E-01
2.50000E+00	2.77500E-01
3.00000E+00	2.93000E-01

ROBINSON, WILSON & STOKES. J AM CHEM SOC 63, 1011 (1941)

MAGNESIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	95.220	18.015	3.0	1.0	2.0	2.0	-1.0

NORMALITY

DENSITY

7.67470E-02	1.00014E+00
9.95380E-02	1.00100E+00
1.63950E-01	1.00353E+00
4.56647E-01	1.01486E+00

SHEDLOVSKY & BROWN. JACS 56, 1066 (1934)

NORMALITY

EQUIVALENT CONDUCTANCE

0.	1.29400E+02
1.00000E-03	1.24110E+02
2.00000E-03	1.22040E+02
3.00000E-03	1.20560E+02
4.00000E-03	1.19330E+02
5.00000E-03	1.18310E+02
6.00000E-03	1.17400E+02
7.00000E-03	1.16570E+02
8.00000E-03	1.15850E+02
9.00000E-03	1.15170E+02
1.00000E-02	1.14550E+02
2.00000E-02	1.10040E+02
3.00000E-02	1.07090E+02
4.00000E-02	1.04880E+02
5.00000E-02	1.03080E+02
6.00000E-02	1.01570E+02
7.00000E-02	1.00230E+02
8.00000E-02	9.90700E+01
9.00000E-02	9.80400E+01
1.00000E-01	9.71000E+01

SHEDLOVSKY & BROWN. JACS 56, 1066 (1934)

MOLALITY

CONDUCTIVITY

4.98500E-02	9.84000E-03
9.76100E-02	1.80900E-02
2.67900E-01	4.08000E-02
4.67400E-01	6.38000E-02
8.69000E-01	1.05000E-01

KONDRATEV & NIKICH. ZH FIZ KHIM 37, 100 (1963)

NORMALITY

TRANSFERENCE NUMBER

1.50000E+00	2.95700E-01
2.00000E+00	2.80500E-01
3.00000E+00	2.56200E-01
5.00000E+00	2.28800E-01
6.00000E+00	2.19700E-01
7.00000E+00	2.14700E-01
9.00000E+00	2.11600E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	1.25100E-05
1.29000E-03	1.18700E-05
1.53000E-03	1.18000E-05
2.05000E-03	1.16800E-05
2.70000E-03	1.16400E-05
2.83000E-03	1.15700E-05
3.09000E-03	1.15700E-05
3.64000E-03	1.15500E-05
4.00000E-03	1.16400E-05

HARNED & POLESTRA. JACS 76, 2064 (1954)

MOLALITY

GAMMA

1.00000E-01	5.28000E-01
2.00000E-01	4.88000E-01
3.00000E-01	4.76000E-01
4.00000E-01	4.74000E-01
5.00000E-01	4.80000E-01
6.00000E-01	4.90000E-01
7.00000E-01	5.05000E-01
8.00000E-01	5.21000E-01
9.00000E-01	5.43000E-01
1.00000E+00	5.69000E-01
1.20000E+00	6.30000E-01
1.40000E+00	7.08000E-01
1.60000E+00	8.02000E-01
1.80000E+00	9.14000E-01
2.00000E+00	1.05100E+00
2.50000E+00	1.53800E+00
3.00000E+00	2.32000E+00
3.50000E+00	3.55000E+00
4.00000E+00	5.53000E+00
4.50000E+00	8.72000E+00
5.00000E+00	1.39200E+01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MAGNESIUM SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	120.370	18.015	2.0	1.0	1.0	2.0	-2.0

CONCENTRATION

RELATIVE DENSITY

5.00000E-04	1.00006E+00
1.00000E-03	1.00012E+00
2.50000E-03	1.00031E+00
5.00000E-03	1.00062E+00
1.00000E-02	1.00124E+00
2.00000E-02	1.00247E+00
4.00000E-02	1.00492E+00
5.00000E-02	1.00613E+00
1.00000E-01	1.01213E+00
2.00000E-01	1.02387E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

CONCENTRATION

RELATIVE DENSITY

7.02000E-05	1.00001E+00
1.27000E-04	1.00002E+00
1.96000E-04	1.00003E+00
2.78000E-04	1.00004E+00
3.60000E-04	1.00006E+00
4.66000E-04	1.00007E+00
5.87000E-04	1.00009E+00
5.98000E-04	1.00009E+00
7.27000E-04	1.00011E+00
9.79000E-04	1.00015E+00
1.44200E-03	1.00021E+00
1.94900E-03	1.00028E+00
2.58000E-03	1.00037E+00
3.37100E-03	1.00048E+00
4.22500E-03	1.00059E+00
5.17100E-03	1.00072E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

CONCENTRATION

RELATIVE DENSITY

5.87000E-04	1.00008E+00
9.79000E-04	1.00013E+00
1.44200E-03	1.00020E+00
1.94900E-03	1.00027E+00
2.58000E-03	1.00035E+00
3.38800E-03	1.00047E+00
4.22500E-03	1.00058E+00
5.17100E-03	1.00071E+00

ASMUS. Z PHYSIK 108, 491 (1938)

NORMALITY

DENSITY

1.22000E+00	1.06650E+00
2.44000E+00	1.13330E+00
3.66000E+00	1.19760E+00
4.88000E+00	1.25800E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

NORMALITY

DENSITY

2.93000E+00	1.15900E+00
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4.04000E+00	1.21600E+00
4.84000E+00	1.25600E+00
5.34000E+00	1.28000E+00
5.83000E+00	1.30500E+00

EZROKHI. ZHUR PRIKLAD KHIM 25, 838 (1952)

CONCENTRATION	RELATIVE VISCOSITY
5.00000E-04	1.00083E+00
1.00000E-03	1.00132E+00
2.50000E-03	1.00263E+00
5.00000E-03	1.00460E+00
1.00000E-02	1.00824E+00
2.00000E-02	1.01515E+00
4.00000E-02	1.02837E+00
5.00000E-02	1.03486E+00
1.00000E-01	1.06689E+00
2.00000E-01	1.12979E+00

KAMINSKY. Z PHYSIK CHEM NF 12, 206 (1957)

CONCENTRATION	RELATIVE VISCOSITY
7.02000E-05	1.00020E+00
1.27000E-04	1.00027E+00
1.96000E-04	1.00033E+00
2.78000E-04	1.00043E+00
3.60000E-04	1.00054E+00
4.66000E-04	1.00061E+00
5.87000E-04	1.00067E+00
5.98000E-04	1.00068E+00
7.27000E-04	1.00082E+00
9.79000E-04	1.00107E+00
1.44200E-03	1.00147E+00
1.94900E-03	1.00202E+00
2.58000E-03	1.00246E+00
3.37100E-03	1.00308E+00
4.22500E-03	1.00390E+00
5.17100E-03	1.00478E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

CONCENTRATION	RELATIVE VISCOSITY
5.87000E-04	1.00066E+00
9.79000E-04	1.00106E+00
1.44200E-03	1.00146E+00
1.94900E-03	1.00201E+00
2.58000E-03	1.00245E+00
3.38800E-03	1.00302E+00
4.22500E-03	1.00388E+00
5.17100E-03	1.00478E+00

ASMUS. Z PHYSIK 108, 491 (1938)

NORMALITY	RELATIVE VISCOSITY
1.22000E+00	1.49600E+00
2.44000E+00	2.27900E+00
3.66000E+00	3.62400E+00
4.88000E+00	5.93200E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

NORMALITY	RELATIVE VISCOSITY
2.93000E+00	2.68500E+00
4.04000E+00	4.11000E+00
4.84000E+00	5.80000E+00
5.34000E+00	7.26000E+00
5.83000E+00	9.09000E+00

EZROKHI. ZHUR PRIKLAD KHIM 25, 838 (1952)

NORMALITY	EQUIVALENT CONDUCTANCE
2.00000E-04	1.27000E+02
5.00000E-04	1.22800E+02
1.00000E-03	1.18100E+02
2.00000E-03	1.11000E+02
5.00000E-03	9.90000E+01
1.00000E-02	8.90500E+01
2.00000E-02	7.86000E+01
5.00000E-02	6.57500E+01
1.00000E-01	5.74000E+01
2.00000E-01	4.98500E+01
5.00000E-01	4.02000E+01
7.00000E-01	3.66000E+01
1.00000E+00	3.31000E+01
1.30000E+00	2.97000E+01
2.00000E+00	2.50000E+01

FEDOROFF. ANN DE CHIMIE, SER 11, 16, 154 (1941)

CONCENTRATION	EQUIVALENT CONDUCTANCE
5.61000E-03	1.31600E+02
1.12400E-02	1.06000E+02
2.24400E-02	8.69000E+01
4.49000E-02	7.27000E+01
8.98200E-02	6.17000E+01
1.28310E-01	5.63000E+01
1.79610E-01	5.26000E+01
2.56640E-01	4.85000E+01
3.59280E-01	4.47000E+01
5.13230E-01	4.10000E+01
7.18400E-01	3.71000E+01
1.02640E+00	3.34000E+01
1.36820E+00	3.00000E+01
1.43740E+00	2.93000E+01
1.82410E+00	2.63000E+01
2.43450E+00	2.25000E+01
2.87300E+00	1.98000E+01
3.24470E+00	1.80000E+01
4.32760E+00	1.31000E+01
5.74470E+00	8.10000E+00

CALVERT, CORNELIUS, GRIFFITHS & STOCK. J PHYS CHEM 62, 47 (1958)

NORMALITY	EQUIVALENT CONDUCTANCE
1.16650E-02	8.63010E+01
2.34630E-02	7.62140E+01

4.14110E-02 6.83760E+01
5.66050E-02 6.43660E+01
BREMNER, THOMPSON & UTTERBACK. J AM CHEM SOC 61, 1219 (1939)

CONCENTRATION EQUIVALENT CONDUCTANCE
1.00100E-02 7.86000E+01
2.00000E-02 6.90000E+01
FISHER. J PHYS CHEM 66, 1607 (1962)

CONCENTRATION MOLAR CONDUCTANCE
5.00000E-01 6.05700E+01
1.25000E-01 8.56200E+01
6.25000E-02 9.65000E+01
3.12500E-02 1.12400E+02
7.81250E-03 1.35900E+02
1.95310E-03 1.83300E+02
9.76560E-04 1.98300E+02
4.88280E-04 2.15200E+02
JONES & JACOBSON. AM CHEM J 40, 355 (1908)

NORMALITY EQUIVALENT CONDUCTANCE
1.66000E-04 1.27150E+02
2.50000E-04 1.26040E+02
5.00000E-04 1.23120E+02
7.50000E-04 1.20900E+02
1.00000E-03 1.19090E+02
1.66000E-03 1.14850E+02
2.50000E-03 1.10500E+02
5.00000E-03 9.89800E+01
7.50000E-03 9.34500E+01
1.00000E-02 9.12800E+01
2.50000E-02 7.45600E+01
5.00000E-02 6.55000E+01
7.50000E-02 5.99700E+01
1.00000E-01 5.85100E+01
5.00000E-01 4.03600E+01
1.00000E+00 3.26300E+01
1.50000E+00 2.80100E+01
2.00000E+00 2.35500E+01
SEMENCHENKO & SERPINSKII. ZH OBSHCH KHIM 3, 470 (1933)

CONCENTRATION DIFFUSION COEFFICIENT
-0. 8.49000E-06
4.80000E-04 7.88000E-06
8.00000E-04 7.79000E-06
1.67000E-03 7.39000E-06
1.70000E-03 7.46000E-06
2.08000E-03 7.40000E-06
2.72000E-03 7.30000E-06
4.57000E-03 7.16000E-06
4.81000E-03 7.09000E-06
6.10000E-03 7.03000E-06
6.36000E-03 7.02000E-06
HARNED & HUDSON. JACS 73, 5880 (1951)

MOLALITY

GAMMA

1.00000E-01	1.95000E-01
2.00000E-01	1.40000E-01
3.00000E-01	1.14000E-01
4.00000E-01	9.88000E-02
5.00000E-01	8.82000E-02
7.00000E-01	7.47000E-02
1.00000E+00	6.35000E-02
1.50000E+00	5.59000E-02
2.00000E+00	5.45000E-02
2.50000E+00	5.73000E-02
3.00000E+00	6.44000E-02

ROBINSON & JONES. JACS 58, 959 (1936)

MOLALITY

GAMMA

5.00000E-01	6.50000E-02
1.00000E+00	4.64000E-02
1.50000E+00	4.03000E-02
2.00000E+00	3.89000E-02
2.50000E+00	3.99000E-02
3.00000E+00	4.43000E-02
3.50000E+00	5.12000E-02

KANGRO & GROENEVELD. Z PHYSIK CHEM (FRANKFURT) 32, 110 (1962)

MOLALITY

GAMMA

1.00000E-01	1.50000E-01
2.00000E-01	1.08000E-01
3.00000E-01	8.80000E-02
4.00000E-01	7.60000E-02
5.00000E-01	6.80000E-02
6.00000E-01	6.20000E-02
7.00000E-01	5.70000E-02
8.00000E-01	5.40000E-02
9.00000E-01	5.10000E-02
1.00000E+00	4.90000E-02
1.20000E+00	4.50000E-02
1.40000E+00	4.40000E-02
1.60000E+00	4.20000E-02
1.80000E+00	4.20000E-02
2.00000E+00	4.20000E-02
2.50000E+00	4.40000E-02
3.00000E+00	4.90000E-02

ROBINSON & STOKES. TRANS FARADAY SOC 45, 612 (1949)

AMMONIUM BROMIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	97.950	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

7.17970E-02	9.98080E-01
6.35030E-02	9.97700E-01
4.85760E-02	9.96680E-01
4.38200E-02	9.96420E-01
3.73050E-02	9.96110E-01
2.20730E-02	9.95190E-01
1.94300E-02	9.95090E-01

CAMPBELL & BOCK. CAN J CHEM 36, 330 (1958)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.82730E+02
7.17970E-02	1.59720E+02
6.35030E-02	1.60700E+02
4.85760E-02	1.62730E+02
4.38200E-02	1.63470E+02
3.73050E-02	1.64580E+02
2.20730E-02	1.68040E+02
1.94300E-02	1.68820E+02
2.68110E-03	1.77220E+02
1.77230E-03	1.78240E+02
1.70370E-03	1.78330E+02
9.60630E-04	1.79460E+02
8.57420E-04	1.79740E+02
6.50030E-04	1.80180E+02
3.68220E-04	1.80940E+02
2.54950E-04	1.81510E+02

CAMPBELL & BOCK. CAN J CHEM 36, 330 (1958)

AMMONIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	53.490	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

-0.	9.97074E-01
1.00000E-01	9.98789E-01
2.00000E-01	1.00045E+00
4.00000E-01	1.00366E+00
6.00000E-01	1.00676E+00
8.00000E-01	1.00975E+00
1.00000E+00	1.01264E+00
2.00000E+00	1.02602E+00
3.00000E+00	1.03781E+00
4.00000E+00	1.04832E+00
5.00000E+00	1.05780E+00
6.00000E+00	1.06646E+00
7.38000E+00	1.07730E+00

PEARCE & PUMPLIN. JACS 59, 1221 (1937)

CONCENTRATION

DENSITY	
2.00000E-03	9.97115E-01
5.00000E-03	9.97162E-01
9.99900E-03	9.97248E-01
2.00000E-02	9.97423E-01
5.00000E-02	9.97940E-01
1.00005E-01	9.98789E-01
2.00000E-01	1.00047E+00

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION	DENSITY
8.00000E-01	1.01015E+00
2.00000E+00	1.02797E+00

LENGYEL & FEZLER. MAGY KEM FOLYDIRAT 69, 128 (1963)

CONCENTRATION	RELATIVE VISCOSITY
2.00000E-03	1.00020E+00
5.00000E-03	1.00031E+00
9.99900E-03	1.00045E+00
2.00000E-02	1.00051E+00
5.00000E-02	1.00054E+00
1.00005E-01	1.00036E+00
2.00000E-01	9.99650E-01

JONES & TALLEY. JACS 55, 624 (1933)

CONCENTRATION	VISCOSITY
0.	8.91000E-01
4.43700E-01	8.89000E-01
8.87400E-01	8.85000E-01
1.33110E+00	8.82000E-01
1.77480E+00	8.80000E-01
2.21850E+00	8.78000E-01
2.66220E+00	8.87000E-01
3.10590E+00	8.97000E-01
3.54960E+00	9.04000E-01
4.43700E+00	9.25000E-01

GETMAN. JACS 30, 721 (1908)

CONCENTRATION	RELATIVE VISCOSITY
5.00000E-01	9.97600E-01
1.26800E+00	9.98000E-01
2.53600E+00	1.00200E+00
3.80300E+00	1.01400E+00
5.07100E+00	1.03700E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

CONCENTRATION	MOLAR CONDUCTANCE
0.	1.49700E+02
1.00000E-01	1.28800E+02
2.00000E-01	1.23800E+02
5.00000E-01	1.16800E+02
1.00000E+00	1.11300E+02

2.00000E+00	1.05100E+02
3.00000E+00	1.00200E+02
4.00000E+00	9.51000E+01
5.00000E+00	8.94000E+01

WISHAW & STOKES. JACS 76, 2065 (1954)

CONCENTRATION

	MOLAR CONDUCTANCE
1.01900E-01	1.28600E+02
2.01500E-01	1.23800E+02
5.01900E-01	1.16800E+02
1.01100E+00	1.11200E+02
2.00500E+00	1.05100E+02
3.00600E+00	1.00200E+02
4.00500E+00	9.51000E+01
5.25200E+00	8.79000E+01

WISHAW & STOKES. JACS 76, 2065 (1954)

CONCENTRATION

	EQUIVALENT CONDUCTANCE
1.00000E-01	1.28550E+02

MAC INNES & COWPERTHWAITTE. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

	TRANSFERENCE NUMBER
1.00000E-01	4.90000E-01

MAC INNES & COWPERTHWAITTE. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

	TRANSFERENCE NUMBER
1.00000E-02	4.90700E-01
2.00000E-02	4.90600E-01
5.00000E-02	4.90500E-01
1.00000E-01	4.90700E-01
2.00000E-01	4.91100E-01

LONGSWORTH. JACS 57, 1185 (1935)

CONCENTRATION

	DIFFUSION COEFFICIENT
1.00000E-01	1.83800E-05
2.00000E-01	1.83600E-05
3.00000E-01	1.84100E-05
5.00000E-01	1.86100E-05
7.00000E-01	1.88300E-05
1.00000E+00	1.92100E-05
1.50000E+00	1.98600E-05
2.00000E+00	2.05100E-05
2.50000E+00	2.11300E-05
3.00000E+00	2.16400E-05
3.25000E+00	2.18400E-05
3.50000E+00	2.20300E-05
4.00000E+00	2.23500E-05
4.50000E+00	2.25700E-05
5.00000E+00	2.26400E-05

HALL, WISHAW & STOKES. JACS 75, 1556 (1953)

MOLALITY

GAMMA

1.00000E-01	7.70000E-01
2.00000E-01	7.18000E-01
3.00000E-01	6.87000E-01
4.00000E-01	6.65000E-01
5.00000E-01	6.49000E-01
6.00000E-01	6.36000E-01
7.00000E-01	6.25000E-01
8.00000E-01	6.17000E-01
9.00000E-01	6.09000E-01
1.00000E+00	6.03000E-01
1.20000E+00	5.92000E-01
1.40000E+00	5.84000E-01
1.60000E+00	5.78000E-01
1.80000E+00	5.74000E-01
2.00000E+00	5.70000E-01
2.50000E+00	5.64000E-01
3.00000E+00	5.61000E-01
3.50000E+00	5.60000E-01
4.00000E+00	5.60000E-01
4.50000E+00	5.61000E-01
5.00000E+00	5.62000E-01
5.50000E+00	5.63000E-01
6.00000E+00	5.64000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

AMMONIUM CHLORIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	53.490	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

8.45880E-02	9.95660E-01
6.65220E-02	9.95330E-01
5.03330E-02	9.95130E-01
4.32620E-02	9.94830E-01
3.80140E-02	9.94740E-01
3.22160E-02	9.94620E-01
1.70500E-02	9.94490E-01

CAMPBELL & BOCK. CAN J CHEM 36, 330 (1958)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.80970E+02
8.45880E-02	1.55880E+02
6.65220E-02	1.57920E+02
5.03330E-02	1.60060E+02
4.32620E-02	1.61240E+02
3.80140E-02	1.62270E+02
3.22160E-02	1.63440E+02
1.70500E-02	1.67420E+02
1.83280E-03	1.76520E+02
1.22450E-03	1.77230E+02

8.66420E-04	1.77880E+02
7.90400E-04	1.78150E+02
4.76890E-04	1.78850E+02
4.34360E-04	1.79150E+02

CAMPBELL & BOCK. CAN J CHEM 36, 330 (1958)

AMMONIUM NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	80.040	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.97070E-01
5.40000E-02	9.98830E-01
1.02610E+00	1.02957E+00
1.70090E+00	1.05028E+00
1.91840E+00	1.05670E+00
2.46110E+00	1.07350E+00
3.99400E+00	1.11900E+00
5.53460E+00	1.16370E+00
7.16850E+00	1.21000E+00
7.71000E+00	1.22510E+00
9.45840E+00	1.27340E+00
1.08027E+01	1.31000E+00
1.10800E+01	1.31740E+00

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

DENSITY

1.00000E-01	1.00020E+00
9.96000E-01	1.02800E+00
1.99600E+00	1.05900E+00
2.99300E+00	1.08900E+00
4.00700E+00	1.11900E+00
4.98400E+00	1.14900E+00
6.01900E+00	1.17800E+00
7.04300E+00	1.20500E+00
8.02600E+00	1.23300E+00
8.89800E+00	1.25700E+00
9.99800E+00	1.28400E+00
1.12820E+01	1.31900E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 161 (1950)

CONCENTRATION

DENSITY

1.00000E-01	1.00100E+00
1.00400E+00	1.02900E+00
1.99300E+00	1.05900E+00
2.98200E+00	1.08900E+00
4.02000E+00	1.12000E+00
5.01400E+00	1.14900E+00
6.03600E+00	1.17800E+00
7.01500E+00	1.20600E+00

8.01100E+00	1.23400E+00
9.04300E+00	1.26200E+00
1.00040E+01	1.28900E+00
1.12820E+01	1.31900E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

DENSITY

9.89300E-03	9.97400E-01
2.00330E-02	9.97760E-01
2.91750E-02	9.98010E-01
3.99700E-02	9.98390E-01
4.79560E-02	9.98660E-01
5.00050E-02	9.98720E-01
5.99970E-02	9.99010E-01
7.00460E-02	9.99380E-01
7.99200E-02	9.99670E-01
8.99680E-02	1.00003E+00
1.00010E-01	1.00036E+00
1.53630E-01	1.00208E+00
2.00900E-01	1.00360E+00
3.02300E-01	1.00684E+00
3.99930E-01	1.00990E+00
4.96470E-01	1.01296E+00
5.97100E-01	1.01613E+00
6.99760E-01	1.01937E+00
7.99430E-01	1.02246E+00
9.02370E-01	1.02566E+00
9.99760E-01	1.02868E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

MASS FRACTION

DENSITY

1.00000E-02	1.00110E+00
2.00000E-02	1.00510E+00
4.00000E-02	1.01320E+00
8.00000E-02	1.02970E+00
1.20000E-01	1.04640E+00
1.60000E-01	1.06330E+00
2.00000E-01	1.08060E+00
2.40000E-01	1.09820E+00
2.80000E-01	1.11610E+00
3.00000E-01	1.12520E+00
4.00000E-01	1.17270E+00
5.00000E-01	1.22290E+00

PERRY. CHEMICAL ENGINEERS* HANDBOOK (1963)

CONCENTRATION

VISCOSITY

-0.	8.93700E-01
5.40000E-02	8.92400E-01
1.02610E+00	8.63500E-01
1.70090E+00	8.56400E-01
1.91840E+00	8.56100E-01
2.46110E+00	8.60400E-01
3.99400E+00	9.00500E-01
5.53460E+00	9.84600E-01
7.16850E+00	1.13240E+00
7.71000E+00	1.20000E+00

9.45840E+00 1.50470E+00
 1.08027E+01 1.88200E+00
 1.10800E+01 1.99800E+00
 CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION	RELATIVE VISCOSITY
1.00000E-01	9.91000E-01
1.00400E+00	9.60000E-01
1.99300E+00	9.52000E-01
2.98200E+00	9.77000E-01
4.02000E+00	1.00900E+00
5.01400E+00	1.06100E+00
6.03600E+00	1.14400E+00
7.01500E+00	1.23400E+00
8.01100E+00	1.36600E+00
9.04300E+00	1.53100E+00
1.00040E+01	1.77600E+00
1.12820E+01	2.17000E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION	RELATIVE VISCOSITY
1.00000E-01	9.91000E-01
9.96000E-01	9.60000E-01
1.99600E+00	9.52000E-01
2.99300E+00	9.77000E-01
4.00700E+00	1.00900E+00
4.98400E+00	1.06100E+00
6.01900E+00	1.14400E+00
7.04300E+00	1.23400E+00
8.02600E+00	1.36600E+00
8.89800E+00	1.52100E+00
9.99800E+00	1.77600E+00
1.12820E+01	2.17000E+00

CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 161 (1950)

CONCENTRATION	RELATIVE VISCOSITY
9.89300E-03	9.99000E-01
2.00330E-02	9.98000E-01
2.91750E-02	9.98000E-01
3.99700E-02	9.97000E-01
4.79560E-02	9.96000E-01
5.00050E-02	9.98000E-01
5.99970E-02	9.96000E-01
7.00460E-02	9.97000E-01
7.99200E-02	9.96000E-01
8.99680E-02	9.96000E-01
1.00010E-01	9.95000E-01
1.53630E-01	9.93000E-01
2.00900E-01	9.90000E-01
3.02300E-01	9.86000E-01
3.99930E-01	9.82000E-01
4.96470E-01	9.77000E-01
5.97100E-01	9.75000E-01
6.99760E-01	9.73000E-01
7.99430E-01	9.68000E-01
9.02370E-01	9.67000E-01

9.99760E-01 9.63000E-01
CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

MOLAR CONDUCTANCE

1.10800E+01 3.17600E+01
CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.00000E-01 1.12950E+02
1.00400E+00 1.01320E+02
1.99300E+00 9.19500E+01
2.98200E+00 8.42800E+01
4.02000E+00 7.67800E+01
5.01400E+00 7.00000E+01
6.03600E+00 6.31200E+01
7.01500E+00 5.67300E+01
8.01100E+00 5.03600E+01
9.04300E+00 4.39300E+01
1.00040E+01 3.81900E+01
1.12820E+01 3.13000E+01
CAMPBELL & KARTZMARK. CAN J RESEARCH 28B, 43 (1950)

CONCENTRATION

MOLAR CONDUCTANCE

1.02000E-01 1.22600E+02
1.97800E-01 1.17100E+02
5.00000E-01 1.08600E+02
1.02100E+00 1.01100E+02
2.02000E+00 9.18000E+01
3.03100E+00 8.39000E+01
4.04800E+00 7.66000E+01
5.11000E+00 6.93000E+01
6.13000E+00 6.25000E+01
7.05000E+00 5.66000E+01
7.83000E+00 5.15000E+01
7.95000E+00 5.07000E+01
-0. 1.44840E+02
1.00000E-01 1.22700E+02
2.00000E-01 1.17000E+02
5.00000E-01 1.08600E+02
1.00000E+00 1.01400E+02
2.00000E+00 9.19000E+01
3.00000E+00 8.41000E+01
4.00000E+00 7.70000E+01
5.00000E+00 7.00000E+01
6.00000E+00 6.33000E+01
7.00000E+00 5.68000E+01
8.00000E+00 5.04000E+01
WISHAW & STOKES. JACS 76, 2065 (1954)

CONCENTRATION

MOLAR CONDUCTANCE

9.89300E-03 1.36470E+02
2.00330E-02 1.33320E+02
2.91750E-02 1.31260E+02
3.99700E-02 1.29330E+02

4.79560E-02	1.28130E+02
5.00050E-02	1.27860E+02
5.99970E-02	1.26660E+02
7.00460E-02	1.25500E+02
7.99200E-02	1.24540E+02
8.99680E-02	1.23700E+02
1.00010E-01	1.22830E+02
1.53630E-01	1.19390E+02
2.00900E-01	1.17100E+02
3.02300E-01	1.13460E+02
3.99930E-01	1.10830E+02
4.96470E-01	1.08740E+02
5.97100E-01	1.06900E+02
6.99760E-01	1.05230E+02
7.99430E-01	1.03770E+02
9.02370E-01	1.02510E+02
9.99760E-01	1.01320E+02

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

MOLAR CONDUCTANCE

1.00000E-03	1.42000E+02
2.00000E-03	1.41400E+02
5.00000E-03	1.38700E+02
1.00000E-02	1.36200E+02
2.00000E-02	1.33300E+02
5.00000E-02	1.28000E+02
7.00000E-02	1.25500E+02
1.00000E-01	1.22800E+02
2.00000E-01	1.16900E+02
5.00000E-01	1.08000E+02

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.00000E-01	1.23000E+02
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MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	5.13000E-01
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MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION

TRANSFERENCE NUMBER

2.13000E-01	5.14000E-01
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MILIDS & NEWMAN. UCRL-18105. FEBRUARY, 1968

CONCENTRATION

DIFFUSION COEFFICIENT

5.07000E-02	1.79100E-05
5.07000E-02	1.78500E-05
1.01100E-01	1.76900E-05
2.02400E-01	1.75000E-05
2.02400E-01	1.74700E-05
4.05000E-01	1.73100E-05
4.05000E-01	1.73100E-05

1.00100E+00	1.69500E-05
1.00100E+00	1.68500E-05
2.02600E+00	1.63800E-05
2.02600E+00	1.63300E-05
3.00000E+00	1.57600E-05
4.00000E+00	1.52200E-05
4.00000E+00	1.52200E-05
5.10400E+00	1.46900E-05
5.10400E+00	1.47000E-05
6.00400E+00	1.41800E-05
6.00400E+00	1.42200E-05
7.62800E+00	1.33800E-05

WISHAW & STOKES. JACS 76, 2065 (1954)

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.92800E-05
1.00000E-01	1.76900E-05
2.00000E-01	1.74900E-05
5.00000E-01	1.72400E-05
1.00000E+00	1.69000E-05
1.50000E+00	1.66100E-05
2.00000E+00	1.63300E-05
2.50000E+00	1.60500E-05
3.00000E+00	1.57800E-05
4.00000E+00	1.52400E-05
5.00000E+00	1.47200E-05
6.00000E+00	1.42100E-05
7.00000E+00	1.37000E-05
8.00000E+00	1.32000E-05

WISHAW & STOKES. JACS 76, 2065 (1954)

MOLALITY

GAMMA

1.00000E-01	7.40000E-01
2.00000E-01	6.77000E-01
3.00000E-01	6.36000E-01
4.00000E-01	6.06000E-01
5.00000E-01	5.82000E-01
6.00000E-01	5.62000E-01
7.00000E-01	5.45000E-01
8.00000E-01	5.30000E-01
9.00000E-01	5.16000E-01
1.00000E+00	5.04000E-01
1.20000E+00	4.83000E-01
1.40000E+00	4.64000E-01
1.60000E+00	4.47000E-01
1.80000E+00	4.33000E-01
2.00000E+00	4.19000E-01
2.50000E+00	3.91000E-01
3.00000E+00	3.68000E-01
3.50000E+00	3.48000E-01
4.00000E+00	3.31000E-01
4.50000E+00	3.16000E-01
5.00000E+00	3.02000E-01
5.50000E+00	2.90000E-01
6.00000E+00	2.79000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	2.60500E-01
8.00000E+00	2.45100E-01
9.00000E+00	2.31800E-01
1.00000E+01	2.20500E-01
1.10000E+01	2.10400E-01
1.20000E+01	2.01600E-01
1.30000E+01	1.93600E-01
1.40000E+01	1.86400E-01
1.50000E+01	1.79700E-01
1.60000E+01	1.73600E-01
1.70000E+01	1.67900E-01
1.80000E+01	1.62800E-01
1.90000E+01	1.57900E-01
2.00000E+01	1.53400E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

AMMONIUM NITRATE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	80.040	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

-0.	9.94060E-01
5.38000E-02	9.95750E-01
1.02340E+00	1.02690E+00
1.69400E+00	1.04610E+00
1.91040E+00	1.05230E+00
2.45050E+00	1.06880E+00
3.97490E+00	1.11360E+00
5.50650E+00	1.15790E+00
7.13180E+00	1.20380E+00
7.67050E+00	1.21880E+00
9.40860E+00	1.26670E+00
1.07490E+01	1.30350E+00
1.19500E+01	1.33840E+00

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

DENSITY

7.76010E-02	9.96430E-01
6.12040E-02	9.95890E-01
5.06200E-02	9.95550E-01
4.45890E-02	9.95450E-01
3.68730E-02	9.95220E-01
3.06580E-02	9.95050E-01
2.30100E-02	9.94430E-01

CAMPBELL & BOCK. CAN J CHEM 36, 330 (1958)

CONCENTRATION

DENSITY

9.86400E-03	9.94390E-01
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1.99720E-02	9.94720E-01
2.90870E-02	9.94980E-01
3.98510E-02	9.95400E-01
4.78080E-02	9.95590E-01
4.98510E-02	9.95660E-01
5.98130E-02	9.95940E-01
6.98280E-02	9.96280E-01
7.96730E-02	9.96580E-01
8.96840E-02	9.96870E-01
9.96910E-02	9.97200E-01
1.53150E-01	9.98940E-01
2.00260E-01	1.00041E+00
3.01300E-01	1.00353E+00
3.98590E-01	1.00650E+00
4.94780E-01	1.00951E+00
5.94980E-01	1.01251E+00
6.97270E-01	1.01575E+00
7.96550E-01	1.01877E+00
8.99050E-01	1.02189E+00
9.95780E-01	1.02458E+00

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

VISCOSITY

-0.	7.22500E-01
5.38000E-02	7.22200E-01
1.02340E+00	7.11900E-01
1.69400E+00	7.11400E-01
1.91040E+00	7.13200E-01
2.45050E+00	7.21100E-01
3.97490E+00	7.63900E-01
5.50650E+00	8.42700E-01
7.13180E+00	9.74800E-01
7.67050E+00	1.03250E+00
9.40860E+00	1.29510E+00
1.07490E+01	1.61390E+00
1.19500E+01	2.08070E+00

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

RELATIVE VISCOSITY

9.86400E-03	9.99000E-01
1.99720E-02	9.99000E-01
2.90870E-02	9.99000E-01
3.98510E-02	9.98000E-01
4.78080E-02	9.97000E-01
4.98510E-02	9.98000E-01
5.98130E-02	9.98000E-01
6.98280E-02	9.98000E-01
7.96730E-02	9.97000E-01
8.96840E-02	9.97000E-01
9.96910E-02	9.98000E-01
1.53150E-01	9.96000E-01
2.00260E-01	9.95000E-01
3.01300E-01	9.92000E-01
3.98590E-01	9.92000E-01
4.94780E-01	9.88000E-01
5.94980E-01	9.87000E-01
6.97270E-01	9.87000E-01
7.96550E-01	9.84000E-01

8.99050E-01 9.84000E-01
9.95780E-01 9.82000E-01
CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

CONCENTRATION

MOLAR CONDUCTANCE

5.38000E-02	1.53100E+02
1.02340E+00	1.19400E+02
1.69400E+00	1.11000E+02
1.91040E+00	1.08200E+02
2.45040E+00	1.03200E+02
3.97490E+00	8.91700E+01
5.50650E+00	7.64600E+01
7.13180E+00	6.38600E+01
7.67050E+00	5.98400E+01
9.40860E+00	4.74600E+01
1.07490E+01	3.85200E+01
1.19500E+01	3.09800E+01

CAMPBELL, GRAY & KARTZMARK. CAN J CHEM 31, 617 (1953)

CONCENTRATION

MOLAR CONDUCTANCE

7.76010E-02	1.49280E+02
6.12040E-02	1.51400E+02
5.06200E-02	1.52980E+02
4.45890E-02	1.54010E+02
3.68730E-02	1.55490E+02
3.06580E-02	1.56820E+02
2.30100E-02	1.58910E+02
4.62080E-03	1.66920E+02
2.19460E-03	1.69320E+02
1.29590E-03	1.70500E+02
1.05780E-03	1.70950E+02
6.03300E-04	1.71860E+02
5.83020E-04	1.71970E+02
5.05340E-04	1.72020E+02
2.57300E-04	1.72920E+02

CAMPBELL & BOCK. CAN J CHEM 36, 330 (1958)

CONCENTRATION

MOLAR CONDUCTANCE

9.86400E-03	1.63730E+02
1.99720E-02	1.59780E+02
2.90870E-02	1.57310E+02
3.98510E-02	1.54940E+02
4.78080E-02	1.53490E+02
4.98510E-02	1.53140E+02
5.98130E-02	1.51650E+02
6.98280E-02	1.50280E+02
7.96730E-02	1.49080E+02
8.96840E-02	1.48040E+02
9.96910E-02	1.47030E+02
1.53150E-01	1.42730E+02
2.00260E-01	1.39890E+02
3.01300E-01	1.35370E+02
3.98590E-01	1.32040E+02
4.94780E-01	1.29400E+02
5.94980E-01	1.27030E+02
6.97270E-01	1.24940E+02

7.96550E-01	1.23060E+02
8.99050E-01	1.21390E+02
9.95780E-01	1.19940E+02

CAMPBELL & FRIESEN. CAN J CHEM 37, 1288 (1959)

AMMONIUM NITRATE IN WATER AT 95 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
95.000	80.040	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

	DENSITY
-0.	9.61920E-01
8.78000E-02	9.65600E-01
1.94000E-01	9.67700E-01
9.96300E-01	9.91800E-01
1.52500E+00	1.00710E+00
2.57600E+00	1.03650E+00
3.60000E+00	1.06900E+00
4.22100E+00	1.08600E+00
5.32500E+00	1.11800E+00
6.63200E+00	1.15700E+00
7.95000E+00	1.19800E+00
8.74000E+00	1.21700E+00
1.01200E+01	1.25300E+00
1.11300E+01	1.28100E+00
1.33100E+01	1.33600E+00
1.48100E+01	1.38500E+00

CAMPBELL & KARTZMARK. CAN J CHEM 30, 128 (1952)

CONCENTRATION

	RELATIVE VISCOSITY
1.94000E-01	1.01600E+00
9.96300E-01	1.05400E+00
1.52500E+00	1.07600E+00
2.57600E+00	1.14200E+00
3.60000E+00	1.21700E+00
4.22100E+00	1.29600E+00
6.63200E+00	1.55500E+00
7.95000E+00	1.77700E+00
8.74000E+00	1.91300E+00
1.01200E+01	2.38100E+00
1.11300E+01	2.70500E+00
1.33100E+01	3.89000E+00
1.48100E+01	4.29000E+00

CAMPBELL & KARTZMARK. CAN J CHEM 30, 128 (1952)

CONCENTRATION

	MOLAR CONDUCTANCE
8.78000E-02	3.06200E+02
1.94000E-01	2.75300E+02
9.96300E-01	2.34800E+02
1.52500E+00	2.13600E+02
2.57600E+00	1.85600E+02

3.60000E+00	1.66900E+02
4.22100E+00	1.54700E+02
5.32500E+00	1.35600E+02
6.63200E+00	1.16000E+02
7.95000E+00	9.78100E+01
8.74000E+00	8.80400E+01
1.01200E+01	7.24400E+01
1.11300E+01	6.19900E+01
1.33100E+01	4.20700E+01
1.48100E+01	2.87100E+01

CAMPBELL & KARTZMARK. CAN J CHEM 30, 128 (1952)

AMMONIUM NITRATE IN WATER AT 180 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
180.000	80.040	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

8.90000E-02	8.91900E-01
9.86900E-01	9.27600E-01
1.92200E+00	9.57100E-01
2.98200E+00	9.93500E-01
2.98800E+00	9.95500E-01
4.13600E+00	1.03000E+00
5.13300E+00	1.06200E+00
5.12800E+00	1.06100E+00
6.20700E+00	1.09900E+00
7.02900E+00	1.12100E+00
7.85400E+00	1.14500E+00
8.53400E+00	1.16600E+00
9.17000E+00	1.18400E+00
1.01500E+01	1.21800E+00
1.01300E+01	1.21300E+00
1.09500E+01	1.23100E+00
1.21400E+01	1.27200E+00
1.27000E+01	1.29000E+00
1.38400E+01	1.32200E+00
1.41100E+01	1.32600E+00
1.49800E+01	1.35500E+00
1.80000E+01	1.44000E+00

CAMPBELL, KARTZMARK, BEDNAS & HERRON. CAN J CHEM 32, 1051 (1954)

MASS FRACTION

RELATIVE VISCOSITY

8.00000E-03	1.01100E+00
8.51000E-02	1.09300E+00
1.60600E-01	1.16800E+00
2.39700E-01	1.26800E+00
3.20600E-01	1.39500E+00
3.86800E-01	1.52400E+00
4.52400E-01	1.71500E+00
5.01900E-01	1.86200E+00
5.48900E-01	2.05500E+00
5.85900E-01	2.23700E+00

6.19600E-01	2.39700E+00
6.97000E-01	2.81900E+00
7.65000E-01	3.34000E+00
8.40700E-01	3.98000E+00
8.86300E-01	4.65000E+00
1.00000E+00	1.01000E+01

CAMPBELL & DEBUS. CAN J CHEM 33, 1730 (1955)

CONCENTRATION

MOLAR CONDUCTANCE

8.90000E-02	5.32300E+02
9.86800E-01	3.80200E+02
1.92200E+00	3.22200E+02
2.98200E+00	2.74000E+02
2.98800E+00	2.73300E+02
4.13600E+00	2.35000E+02
5.12800E+00	2.06100E+02
6.20700E+00	1.77200E+02
7.02900E+00	1.59200E+02
7.85400E+00	1.42900E+02
8.53400E+00	1.31000E+02
9.17000E+00	1.20400E+02
1.01500E+01	1.04700E+02
1.01300E+01	1.03700E+02
1.09500E+01	9.26000E+01
1.21400E+01	7.69200E+01
1.27000E+01	6.95100E+01
1.38400E+01	5.69400E+01
1.41100E+01	5.54000E+01
1.49800E+01	4.67500E+01
1.80000E+01	2.41000E+01

CAMPBELL, KARTZMARK, BEDNAS & HERRON. CAN J CHEM 32, 1051 (1954)

AMMONIUM SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	132.140	18.015	3.0	2.0	1.0	1.0	-2.0

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.52700E-05
5.00000E-02	8.02000E-06
1.00000E-01	8.25000E-06
2.00000E-01	8.67000E-06
5.00000E-01	9.38000E-06
1.00000E+00	1.01100E-05
1.50000E+00	1.04700E-05
2.00000E+00	1.06900E-05
2.50000E+00	1.08800E-05
3.00000E+00	1.10600E-05
3.60000E+00	1.12500E-05
5.25000E-02	8.00000E-06
5.25000E-02	8.05000E-06
1.00200E-01	8.25000E-06
1.00200E-01	8.25000E-06

2.05000E-01	8.69000E-06
2.05000E-01	8.69000E-06
3.82400E-01	9.15000E-06
3.82400E-01	9.17000E-06
5.62100E-01	9.50000E-06
5.62100E-01	9.50000E-06
1.15500E+00	1.02700E-05
1.15500E+00	1.02500E-05
2.39300E+00	1.08600E-05
2.39300E+00	1.08200E-05
3.59400E+00	1.12600E-05
3.59400E+00	1.12400E-05

WISHAW & STOKES. JACS 76, 2065 (1954)

SODIUM BROMIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	102.900	18.015	2.0	1.0	1.0	1.0	-1.0

MASS FRACTION

MASS FRACTION	DENSITY
4.91000E-02	1.03573E+00
1.49970E-01	1.12361E+00
2.50040E-01	1.22457E+00
3.45540E-01	1.33725E+00
4.43380E-01	1.47423E+00

GIBSON & LOEFFLER. ANN N Y ACAD SCI 51, 727 (1949)

MOLALITY

MOLALITY	RELATIVE VISCOSITY
1.00000E+00	1.06000E+00
2.00000E+00	1.15000E+00
3.00000E+00	1.25000E+00
4.00000E+00	1.38000E+00
5.00000E+00	1.54000E+00
6.00000E+00	1.73000E+00
7.00000E+00	1.96000E+00
8.00000E+00	2.27000E+00
9.00000E+00	2.65000E+00
9.13000E+00	2.71000E+00

TANAKA. NIPPON KAGAKU ZASSHI 83, 639 (1962)

CONCENTRATION

CONCENTRATION	RELATIVE VISCOSITY
4.96000E-01	1.02800E+00
9.73000E-01	1.05800E+00
1.45800E+00	1.09500E+00
1.94600E+00	1.14600E+00
2.42900E+00	1.19700E+00
2.91800E+00	1.25600E+00
3.40300E+00	1.34500E+00
3.88800E+00	1.43700E+00
4.37300E+00	1.52800E+00
4.86100E+00	1.65100E+00

SATOH & HAYASHI. BULL CHEM SOC JAPAN 34, 1260 (1961)

CONCENTRATION DIFFUSION COEFFICIENT

0.	1.62700E-05
5.00000E-02	1.53300E-05
1.00000E-01	1.51700E-05
2.00000E-01	1.50700E-05
3.00000E-01	1.51500E-05
5.00000E-01	1.54200E-05
7.00000E-01	1.56900E-05
1.00000E+00	1.59600E-05
1.50000E+00	1.62900E-05
2.00000E+00	1.66800E-05
2.50000E+00	1.70200E-05

STOKES. JACS 72, 2243 (1950)

MOLALITY GAMMA

1.00000E-01	7.82000E-01
2.00000E-01	7.41000E-01
3.00000E-01	7.19000E-01
4.00000E-01	7.04000E-01
5.00000E-01	6.97000E-01
6.00000E-01	6.92000E-01
7.00000E-01	6.89000E-01
8.00000E-01	6.87000E-01
9.00000E-01	6.87000E-01
1.00000E+00	6.87000E-01
1.20000E+00	6.92000E-01
1.40000E+00	6.99000E-01
1.60000E+00	7.06000E-01
1.80000E+00	7.18000E-01
2.00000E+00	7.31000E-01
2.50000E+00	7.68000E-01
3.00000E+00	8.12000E-01
3.50000E+00	8.65000E-01
4.00000E+00	9.29000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

SODIUM ACETATE IN WATER AT 25 DEGREES C

TEMP	MS	MC	NU	NU+	NU-	Z+	Z-
25.000	82.030	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION RELATIVE DENSITY

5.46000E-02	1.00234E+00
1.06700E-01	1.00451E+00
1.59700E-01	1.00679E+00
2.55900E-01	1.01084E+00
3.67800E-01	1.01549E+00
4.97700E-01	1.02081E+00
6.18000E-01	1.02567E+00

7.45000E-01 1.03087E+00
 8.99900E-01 1.03684E+00
 DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

RELATIVE VISCOSITY

5.46000E-02 1.01870E+00
 1.06700E-01 1.03580E+00
 1.59700E-01 1.05400E+00
 2.55900E-01 1.08660E+00
 3.67800E-01 1.12620E+00
 4.97700E-01 1.17420E+00
 6.18000E-01 1.22040E+00
 7.45000E-01 1.27190E+00
 8.99900E-01 1.33700E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-02 5.53700E-01
 2.00000E-02 5.55000E-01
 5.00000E-02 5.57300E-01
 1.00000E-01 5.59400E-01
 2.00000E-01 5.61000E-01

LONGSWORTH. JACS 57, 1185 (1935)

SODIUM CHLORIDE IN WATER AT 0 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
0.	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

2.00000E-03 9.99960E-01
 5.00000E-03 1.00010E+00
 1.00000E-02 1.00032E+00
 2.00000E-02 1.00078E+00
 5.00000E-02 1.00211E+00
 1.00000E-01 1.00438E+00
 2.00000E-01 1.00877E+00
 5.02200E-01 1.02194E+00
 1.00588E+00 1.04308E+00
 2.01766E+00 1.08362E+00

JONES & CHRISTIAN. JACS 59, 484 (1937)

CONCENTRATION

DENSITY

0. 9.99900E-01
 1.00140E-01 1.00490E+00
 2.00400E-01 1.00950E+00
 5.00950E-01 1.02200E+00
 1.00420E+00 1.04420E+00
 2.01000E+00 1.08410E+00

4.02750E+00 1.16000E+00
LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

MASS FRACTION

DENSITY

1.00000E-02	1.00747E+00
2.00000E-02	1.01509E+00
4.00000E-02	1.03038E+00
6.00000E-02	1.04575E+00
8.00000E-02	1.06121E+00
1.00000E-01	1.07677E+00
1.20000E-01	1.09244E+00
1.40000E-01	1.10824E+00
1.60000E-01	1.12419E+00
1.80000E-01	1.14031E+00
2.00000E-01	1.15663E+00
2.20000E-01	1.17318E+00
2.40000E-01	1.18999E+00
2.60000E-01	1.20709E+00

INTERNATIONAL CRITICAL TABLES (1929)

CONCENTRATION

VISCOSITY

0.	1.79400E+00
1.00140E-01	1.80500E+00
2.00400E-01	1.80500E+00
5.00950E-01	1.82000E+00
1.00420E+00	1.85100E+00
2.01000E+00	2.03900E+00
4.02750E+00	2.67600E+00

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

CONCENTRATION

RELATIVE VISCOSITY

2.00000E-03	1.00037E+00
5.00000E-03	1.00037E+00
1.00000E-02	1.00072E+00
2.00000E-02	1.00126E+00
5.00000E-02	1.00211E+00
1.00000E-01	1.00382E+00
2.00000E-01	1.00691E+00
5.02200E-01	1.01906E+00
5.00000E-01	1.01895E+00
1.00588E+00	1.04900E+00
1.00000E+00	1.04858E+00
2.01766E+00	1.14750E+00
2.00000E+00	1.14534E+00

JONES & CHRISTIAN. JACS 59, 484 (1937)

CONCENTRATION

MOLAR CONDUCTANCE

9.59790E-02	5.73320E+01
1.92779E-01	5.49450E+01
3.39514E-01	5.27400E+01
4.63196E-01	5.13580E+01
1.00000E-03	6.72000E+01
2.00000E-03	6.55000E+01
5.00000E-03	6.33000E+01

1.00000E-02	6.17000E+01
2.00000E-02	6.02000E+01
5.00000E-02	5.82000E+01
1.00000E-01	5.63000E+01
2.00000E-01	5.40000E+01
5.00000E-01	5.08000E+01
1.00000E+00	4.74000E+01

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION	
	MOLAR CONDUCTANCE
1.00140E-01	5.93800E+01
2.00400E-01	5.69700E+01
5.00950E-01	5.37500E+01
1.00420E+00	4.78500E+01
2.01000E+00	3.97800E+01
4.02750E+00	3.23000E+01

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

CONCENTRATION	
	TRANSFERENCE NUMBER
0.	3.92600E-01
7.68500E-02	3.70200E-01
1.49600E-01	3.67500E-01
1.99200E-01	3.66000E-01
2.49200E-01	3.65000E-01
2.95600E-01	3.64100E-01
3.97500E-01	3.62500E-01
5.94300E-01	3.60200E-01
9.84300E-01	3.57200E-01
1.46360E+00	3.55100E-01
1.93370E+00	3.53400E-01
1.93460E+00	3.53400E-01
2.39520E+00	3.51900E-01
2.84720E+00	3.50500E-01
3.72150E+00	3.48000E-01

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY	
	TRANSFERENCE NUMBER
5.00000E-02	3.73000E-01
1.00000E-01	3.69000E-01
2.00000E-01	3.66000E-01
5.00000E-01	3.61000E-01
1.00000E+00	3.57000E-01
1.50000E+00	3.55000E-01
2.00000E+00	3.53000E-01
2.50000E+00	3.52000E-01
3.00000E+00	3.51000E-01
3.50000E+00	3.49000E-01
4.00000E+00	3.48000E-01
4.50000E+00	3.47000E-01
5.00000E+00	3.46000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

CONCENTRATION	
	DIFFUSION COEFFICIENT
0.	7.85200E-06

7.68500E-02	7.25000E-06
1.49600E-01	7.10000E-06
1.99200E-01	7.07000E-06
2.49200E-01	6.99000E-06
2.95600E-01	6.97000E-06
3.97500E-01	6.98000E-06
5.94300E-01	6.99000E-06
9.84300E-01	7.08000E-06
1.46360E+00	7.21000E-06
1.93370E+00	7.34000E-06
1.93460E+00	7.34000E-06
2.39520E+00	7.43000E-06
2.84720E+00	7.56000E-06
3.72150E+00	7.80000E-06

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0.	1.00000E+00
7.68500E-02	9.14400E-01
1.49600E-01	9.05100E-01
1.99200E-01	9.03600E-01
2.49200E-01	9.03900E-01
2.95600E-01	9.05300E-01
3.97500E-01	9.10600E-01
5.94300E-01	9.25600E-01
9.84300E-01	9.63900E-01
1.46360E+00	1.02100E+00
1.93370E+00	1.08880E+00
1.93460E+00	1.08890E+00
2.39520E+00	1.16980E+00
2.84720E+00	1.26640E+00
3.72150E+00	1.51460E+00

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

GAMMA

1.00000E-03	9.66000E-01
1.00000E-02	9.04600E-01
5.00000E-02	8.22000E-01
1.00000E-01	7.72000E-01
2.00000E-01	7.23000E-01
5.00000E-01	6.64000E-01
1.00000E+00	6.31000E-01
1.50000E+00	6.20000E-01
2.00000E+00	6.24000E-01
2.50000E+00	6.32000E-01
3.00000E+00	6.52000E-01
3.50000E+00	6.80000E-01
4.00000E+00	7.10000E-01
4.50000E+00	7.48000E-01
5.00000E+00	7.93000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

SODIUM CHLORIDE IN WATER AT 15 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 15.000 58.440 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.01180E+02
5.00000E-04	9.96100E+01
1.00000E-03	9.89800E+01
2.00000E-03	9.81000E+01
5.00000E-03	9.64700E+01
1.00000E-02	9.48600E+01

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION

TRANSFERENCE NUMBER

-0.	3.92900E-01
5.00000E-04	3.91800E-01
1.00000E-03	3.91400E-01
2.00000E-03	3.90800E-01
5.00000E-03	3.89700E-01
1.00000E-02	3.88500E-01
2.00000E-02	3.87000E-01
5.00000E-02	3.84600E-01
7.00000E-02	3.83700E-01
1.00000E-01	3.82000E-01

ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

CONCENTRATION

TRANSFERENCE NUMBER

1.49500E-02	3.87500E-01
1.50810E-02	3.87800E-01
1.99900E-02	3.86900E-01
2.01860E-02	3.87000E-01
4.00460E-02	3.85200E-01
4.00900E-02	3.85300E-01
4.02990E-02	3.85300E-01
6.53240E-02	3.83800E-01
6.53240E-02	3.83600E-01
6.53240E-02	3.84000E-01
6.61620E-02	3.83900E-01
9.94400E-02	3.81800E-01
9.99400E-02	3.81700E-01
1.00340E-01	3.82000E-01

ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

SODIUM CHLORIDE IN WATER AT 18 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 18.000 58.440 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

DENSITY

0.	9.98600E-01
9.99700E-02	1.00320E+00
2.00000E-01	1.00750E+00
4.99800E-01	1.01950E+00
1.00010E+00	1.04010E+00
1.99900E+00	1.07820E+00
3.99900E+00	1.15170E+00

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

CONCENTRATION

DENSITY

5.00000E-02	1.00076E+00
1.00000E-01	1.00294E+00
2.00000E-01	1.00712E+00
5.00000E-01	1.01930E+00
1.00000E+00	1.03910E+00

GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

VISCOSITY

0.	1.06000E+00
9.99700E-02	1.06300E+00
2.00000E-01	1.06300E+00
4.99800E-01	1.09200E+00
1.00010E+00	1.13500E+00
1.99900E+00	1.23700E+00
3.99900E+00	1.63600E+00

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

CONCENTRATION

RELATIVE VISCOSITY

5.00000E-02	1.00462E+00
1.00000E-01	1.00863E+00
2.00000E-01	1.01672E+00
5.00000E-01	1.04099E+00
1.00000E+00	1.08580E+00

GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

RELATIVE VISCOSITY

1.43600E+00	1.14300E+00
2.69800E+00	1.31800E+00
4.66300E+00	1.74900E+00

GRUNEISEN. WISS ABH PHYSIK-TECHN REICH 4, 237 (1905)

CONCENTRATION

MOLAR CONDUCTANCE

9.99700E-02	9.47600E+01
2.00000E-01	8.92000E+01
4.99800E-01	8.27600E+01
1.00010E+00	7.40600E+01
1.99900E+00	6.44300E+01
3.99900E+00	4.89500E+01

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

CONCENTRATION

MOLAR CONDUCTANCE

1.00000E-04	1.08100E+02
2.00000E-04	1.07820E+02
5.00000E-04	1.07180E+02
1.00000E-03	1.06490E+02
2.00000E-03	1.05550E+02
5.00000E-03	1.03780E+02
1.00000E-02	1.01950E+02
2.00000E-02	9.96200E+01
5.00000E-02	9.57100E+01
1.00000E-01	9.20200E+01
2.00000E-01	8.77300E+01
5.00000E-01	8.09400E+01
1.00000E+00	7.43500E+01
2.00000E+00	6.48000E+01
3.00000E+00	5.65000E+01
5.00000E+00	4.27000E+01

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION

MOLAR CONDUCTANCE

8.84000E-01	7.60000E+01
1.83000E+00	6.62000E+01
2.84300E+00	5.78000E+01
3.92400E+00	4.99000E+01
5.08500E+00	4.20000E+01
5.32500E+00	4.04000E+01
5.42100E+00	3.98000E+01

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

CONCENTRATION

TRANSFERENCE NUMBER

0.	3.93400E-01
6.97700E-02	3.82200E-01
9.96800E-02	3.80000E-01
1.98600E-01	3.75300E-01
2.97800E-01	3.72300E-01
3.96900E-01	3.70000E-01
5.90800E-01	3.67000E-01
7.87200E-01	3.64600E-01
7.87500E-01	3.64500E-01
9.81000E-01	3.62800E-01
1.17260E+00	3.61400E-01
1.45770E+00	3.59700E-01
1.92060E+00	3.57200E-01
2.38220E+00	3.55300E-01
2.82990E+00	3.53500E-01
3.26640E+00	3.52000E-01
3.69750E+00	3.50500E-01
4.11590E+00	3.49200E-01
4.11640E+00	3.49200E-01
4.64350E+00	3.47700E-01
4.95850E+00	3.46800E-01

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

TRANSFERENCE NUMBER

5.00000E-02	3.85000E-01
1.00000E-01	3.80000E-01

2.00000E-01	3.75000E-01
5.00000E-01	3.68000E-01
1.00000E+00	3.63000E-01
1.50000E+00	3.60000E-01
2.00000E+00	3.57000E-01
2.50000E+00	3.55000E-01
3.00000E+00	3.54000E-01
3.50000E+00	3.52000E-01
4.00000E+00	3.50000E-01
4.50000E+00	3.49000E-01
5.00000E+00	3.48000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	1.35000E-05
6.97700E-02	1.24800E-05
9.96800E-02	1.24100E-05
1.98600E-01	1.22800E-05
2.97800E-01	1.22400E-05
3.96900E-01	1.22600E-05
5.90800E-01	1.22700E-05
7.87200E-01	1.23000E-05
7.87500E-01	1.23000E-05
9.81000E-01	1.23200E-05
1.17260E+00	1.23800E-05
1.45770E+00	1.24500E-05
1.92060E+00	1.26200E-05
2.38220E+00	1.27600E-05
2.82990E+00	1.29100E-05
3.26640E+00	1.30450E-05
3.69750E+00	1.31800E-05
4.11590E+00	1.32500E-05
4.11640E+00	1.32700E-05
4.64350E+00	1.33000E-05
4.95850E+00	1.32500E-05

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0.	1.00000E+00
6.97700E-02	9.19000E-01
9.96800E-02	9.14400E-01
1.98600E-01	9.12500E-01
2.97800E-01	9.18300E-01
3.96900E-01	9.27100E-01
5.90800E-01	9.47800E-01
7.87200E-01	9.70900E-01
7.87500E-01	9.71000E-01
9.81000E-01	9.95000E-01
1.17260E+00	1.01990E+00
1.45770E+00	1.05930E+00
1.92060E+00	1.13160E+00
2.38220E+00	1.21820E+00
2.82990E+00	1.32100E+00
3.26640E+00	1.44400E+00
3.69750E+00	1.59160E+00
4.11590E+00	1.76450E+00
4.11640E+00	1.76470E+00
4.64350E+00	2.03020E+00

4.95850E+00 2.21730E+00
VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

GAMMA

1.00000E-03	9.65000E-01
1.00000E-02	9.02000E-01
5.00000E-02	8.23000E-01
1.00000E-01	7.75000E-01
2.00000E-01	7.30000E-01
5.00000E-01	6.76000E-01
1.00000E+00	6.50000E-01
1.50000E+00	6.48000E-01
2.00000E+00	6.59000E-01
2.50000E+00	6.78000E-01
3.00000E+00	7.03000E-01
3.50000E+00	7.36000E-01
4.00000E+00	7.75000E-01
4.50000E+00	8.28000E-01
5.00000E+00	8.83000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

SODIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

2.00000E-03	9.97160E-01
5.00000E-03	9.97280E-01
1.00000E-02	9.97490E-01
2.00000E-02	9.97900E-01
5.00000E-02	9.99130E-01
1.00000E-01	1.00121E+00
2.00000E-01	1.00528E+00
5.00000E-01	1.01735E+00
1.00000E+00	1.03708E+00
2.00210E+00	1.07527E+00

JONES & CHRISTIAN. JACS 59, 484 (1937)

MOLALITY

DENSITY

9.86000E-02	1.00110E+00
4.97100E-01	1.01690E+00
9.86500E-01	1.03570E+00
1.99300E+00	1.07200E+00
2.92960E+00	1.10340E+00
3.48650E+00	1.12120E+00
3.98730E+00	1.13660E+00
5.49520E+00	1.18030E+00
5.80230E+00	1.18880E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

DENSITY

5.01100E-01	1.01710E+00
9.96600E-01	1.03610E+00
1.50250E+00	1.05460E+00
2.00000E+00	1.07220E+00
2.50080E+00	1.08930E+00
3.00420E+00	1.10585E+00
3.49640E+00	1.12150E+00
3.99880E+00	1.13697E+00
4.50520E+00	1.15028E+00

STAKHANOVA & VASILEV. ZH FIZ KHIM 37, 1568 (1963)

CONCENTRATION

RELATIVE DENSITY

8.84000E-02	1.00366E+00
1.75300E-01	1.00723E+00
3.46700E-01	1.01421E+00
5.15200E-01	1.02099E+00
6.73600E-01	1.02729E+00
8.53300E-01	1.03453E+00
1.17290E+00	1.04689E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

MASS FRACTION

DENSITY

4.94600E-02	1.03210E+00
1.01870E-01	1.07020E+00
1.48900E-01	1.10557E+00
1.99570E-01	1.14509E+00
2.49290E-01	1.18560E+00

GIBSON & LOEFFLER. ANN N Y ACAD SCI 51, 727 (1949)

CONCENTRATION

DENSITY

2.00000E+00	1.07539E+00
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LENGYEL & FEZLER. MAGY KEM FOLYDIRAT 69, 128 (1963)

CONCENTRATION

RELATIVE VISCOSITY

2.00000E-03	1.00043E+00
5.00000E-03	1.00081E+00
1.00000E-02	1.00146E+00
2.00000E-02	1.00259E+00
5.00000E-02	1.00544E+00
1.00000E-01	1.00995E+00
2.00000E-01	1.01874E+00
5.00000E-01	1.04603E+00
1.00000E+00	1.09582E+00
2.00210E+00	1.21886E+00

JONES & CHRISTIAN. JACS 59, 484 (1937)

CONCENTRATION

RELATIVE VISCOSITY

2.48200E-01	1.02300E+00
4.94200E-01	1.04600E+00

9.78500E-01	1.09400E+00
1.91900E+00	1.20500E+00
2.82610E+00	1.34200E+00
3.68610E+00	1.50900E+00
4.51200E+00	1.70600E+00
4.82700E+00	1.79800E+00
5.42700E+00	1.97100E+00

KUME & TANAKA. NIPPON KAGAKU ZASSHI 81, 534 (1960)

MOLALITY

VISCOSITY

9.86000E-02	8.98700E-01
4.97100E-01	9.28800E-01
9.86500E-01	9.70900E-01
1.99300E+00	1.07330E+00
2.92960E+00	1.18860E+00
3.48650E+00	1.26830E+00
3.98730E+00	1.34550E+00
5.49520E+00	1.63260E+00
5.80230E+00	1.70000E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

RELATIVE VISCOSITY

8.84000E-02	1.00900E+00
1.75300E-01	1.01670E+00
3.46700E-01	1.03200E+00
5.15200E-01	1.04770E+00
6.73600E-01	1.06280E+00
8.53300E-01	1.08090E+00
1.17290E+00	1.11470E+00

DRUCKER. ARKIV KEMI MIN GEOL 22A, NO. 21, 17 PP (1946)

MOLALITY

RELATIVE VISCOSITY

5.00000E-01	1.04600E+00
1.00000E+00	1.09400E+00
2.00000E+00	1.20500E+00
3.00000E+00	1.34000E+00
4.00000E+00	1.50900E+00
5.00000E+00	1.70600E+00
6.18400E+00	1.98400E+00

TANAKA. NIPPON KAGAKU ZASSHI 83, 639 (1962)

CONCENTRATION

MOLAR CONDUCTANCE

1.56210E-01	1.03660E+02
2.09980E-01	1.01360E+02
2.45840E-01	1.00020E+02
3.39980E-01	9.72900E+01
4.99350E-01	9.36600E+01
6.87030E-01	9.02600E+01
1.05142E+00	8.51200E+01
1.39480E+00	8.10200E+01
1.51930E+00	7.96500E+01
1.92790E+00	7.54100E+01
2.37930E+00	7.11400E+01
2.74390E+00	6.78200E+01

3.14310E+00	6.43600E+01
3.50370E+00	6.13000E+01
4.51990E+00	5.31300E+01
5.35400E+00	4.68300E+01

CHAMBERS, STOKES & STOKES. J PHYS CHEM 60, 985 (1956)

CONCENTRATION	MOLAR CONDUCTANCE
1.13000E-01	1.05910E+02
1.24520E-01	1.05240E+02
1.87760E-01	1.02190E+02
2.64920E-01	9.94100E+01
3.60910E-01	9.67100E+01
4.69140E-01	9.42500E+01
6.07660E-01	9.16000E+01
6.62320E-01	9.06500E+01
7.45280E-01	8.93400E+01
8.63660E-01	8.75800E+01
1.23120E+00	8.28700E+01
1.46470E+00	8.02150E+01
1.84160E+00	7.62770E+01
2.67390E+00	6.84450E+01
3.17230E+00	6.40880E+01
3.87690E+00	5.82280E+01
4.32810E+00	5.46220E+01
4.81140E+00	5.08820E+01

CHAMBERS, STOKES & STOKES. J PHYS CHEM 60, 985 (1956)

CONCENTRATION	MOLAR CONDUCTANCE
1.00000E-01	1.06740E+02
1.25000E-01	1.05210E+02
1.50000E-01	1.03920E+02
1.75000E-01	1.02740E+02
2.00000E-01	1.01710E+02
2.50000E-01	9.98900E+01
3.00000E-01	9.83700E+01
4.00000E-01	9.57700E+01
5.00000E-01	9.36200E+01
6.00000E-01	9.17300E+01
7.00000E-01	9.00400E+01
8.00000E-01	8.85100E+01
9.00000E-01	8.70900E+01
1.00000E+00	8.57600E+01
1.20000E+00	8.32600E+01
1.40000E+00	8.09500E+01
1.60000E+00	7.87700E+01
1.80000E+00	7.67000E+01
2.00000E+00	7.47100E+01
2.50000E+00	7.00200E+01
3.00000E+00	6.55700E+01
3.50000E+00	6.13300E+01
4.00000E+00	5.72300E+01
4.50000E+00	5.32800E+01
5.00000E+00	4.94600E+01
5.35000E+00	4.68600E+01

CHAMBERS, STOKES & STOKES. J PHYS CHEM 60, 985 (1956)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.26420E+02
5.94410E-05	1.25790E+02
1.12830E-04	1.25570E+02
1.85850E-04	1.25090E+02
4.26770E-04	1.24580E+02
5.00560E-04	1.24440E+02
6.78980E-04	1.24210E+02
6.91960E-04	1.24210E+02
7.18460E-04	1.24050E+02
7.38430E-04	1.24020E+02
9.22430E-04	1.23780E+02
1.34480E-03	1.23310E+02
1.38680E-03	1.23190E+02
1.44660E-03	1.23240E+02
1.53060E-03	1.23170E+02
1.62710E-03	1.22910E+02
2.03480E-03	1.22540E+02
2.12530E-03	1.22510E+02
2.22750E-03	1.22470E+02
2.33880E-03	1.22370E+02
2.65380E-03	1.22020E+02
2.89880E-03	1.21880E+02
2.98060E-03	1.21870E+02
3.18620E-03	1.21700E+02
3.73670E-03	1.21260E+02
3.87760E-03	1.21260E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION

MOLAR CONDUCTANCE

1.00000E-04	1.25560E+02
2.00000E-04	1.25210E+02
5.00000E-04	1.24500E+02
1.00000E-03	1.23720E+02
2.00000E-03	1.22670E+02
5.00000E-03	1.20580E+02
1.00000E-02	1.18430E+02
2.00000E-02	1.15650E+02
5.00000E-02	1.10880E+02
1.00000E-01	1.06680E+02
0.	1.26420E+02

SHEDLOVSKY. JACS 54, 1411 (1932)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.26450E+02
1.00000E-04	1.25590E+02
2.00000E-04	1.25240E+02
5.00000E-04	1.25500E+02 (sic)
1.00000E-03	1.23740E+02
2.00000E-03	1.22670E+02
3.00000E-03	1.21880E+02
4.00000E-03	1.21210E+02
5.00000E-03	1.20650E+02
6.00000E-03	1.20150E+02
7.00000E-03	1.19690E+02
8.00000E-03	1.19260E+02
9.00000E-03	1.18860E+02
1.00000E-02	1.18510E+02

2.00000E-02	1.15760E+02
3.00000E-02	1.13830E+02
4.00000E-02	1.12340E+02
5.00000E-02	1.11060E+02
6.00000E-02	1.10010E+02
7.00000E-02	1.09060E+02
8.00000E-02	1.08230E+02
9.00000E-02	1.07450E+02
1.00000E-01	1.06740E+02
1.20000E-01	1.05480E+02
1.40000E-01	1.04420E+02
1.60000E-01	1.03430E+02
1.80000E-01	1.02520E+02
2.00000E-01	1.01700E+02
2.20000E-01	1.00960E+02

SHEDLOVSKY, BROWN & MACINNES. TRANS ELEC CHEM SOC 66, 165 (1934)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.26450E+02
5.00000E-04	1.24510E+02
1.00000E-03	1.23740E+02
2.00000E-03	1.22660E+02
5.00000E-03	1.20640E+02
1.00000E-02	1.18530E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-01	3.86500E-01
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SMITH & MACINNES. JACS 47, 1009 (1925)

MOLALITY

TRANSFERENCE NUMBER

5.00000E-02	3.89000E-01
1.00000E-01	3.84000E-01
2.00000E-01	3.78000E-01
5.00000E-01	3.71000E-01
1.00000E+00	3.66000E-01
1.50000E+00	3.62000E-01
2.00000E+00	3.60000E-01
2.50000E+00	3.57000E-01
3.00000E+00	3.56000E-01
3.50000E+00	3.54000E-01
4.00000E+00	3.52000E-01
4.50000E+00	3.51000E-01
5.00000E+00	3.49000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

CONCENTRATION

TRANSFERENCE NUMBER

2.01000E-01	3.81500E-01
3.88000E-01	3.76700E-01
7.71000E-01	3.70600E-01
1.55000E+00	3.65400E-01
2.33300E+00	3.59600E-01

SMITS & DUYVIS. J PHYS CHEM 70, 2747 (1966)

CONCENTRATION

TRANSFERENCE NUMBER

1.09500E-01	3.85000E-01
4.34000E-01	3.78000E-01
1.00000E+00	3.75000E-01
5.41600E+00	3.63000E-01

SMITS & DUYVIS. J PHYS CHEM 70, 2747 (1966)

MOLES/1000 G OF SOLUTION

TRANSFERENCE NUMBER

1.51900E-01	3.91000E-01
1.86300E-01	3.91000E-01
2.19500E-01	3.97000E-01
2.19500E-01	3.87000E-01
3.43500E-01	3.73000E-01
3.43500E-01	3.74000E-01
4.89100E-01	3.70000E-01
4.89100E-01	3.59000E-01

WEAR, MC NULLY & AMIS. J INORG NUCL CHEM 20, 100 (1961)

CONCENTRATION

TRANSFERENCE NUMBER

1.00000E-02	3.91900E-01
2.00000E-02	3.90000E-01
5.00000E-02	3.87800E-01
1.00000E-01	3.85300E-01
2.00000E-01	3.81400E-01

LONGSWORTH. JACS 54, 2741 (1932)

CONCENTRATION

TRANSFERENCE NUMBER

-0.	3.96200E-01
5.00000E-04	3.95100E-01
1.00000E-03	3.94700E-01
2.00000E-03	3.94100E-01
5.00000E-03	3.93000E-01
1.00000E-02	3.91800E-01
2.00000E-02	3.90300E-01
5.00000E-02	3.87800E-01
7.00000E-02	3.86900E-01
1.00000E-01	3.85300E-01

ALLGOED & GORDON. J CHEM PHYS 10, 124 (1942)

CONCENTRATION

TRANSFERENCE NUMBER

1.50240E-02	3.91000E-01
1.50240E-02	3.91100E-01
1.99650E-02	3.90000E-01
1.99650E-02	3.90100E-01
2.91320E-02	3.89400E-01
2.91320E-02	3.89200E-01
5.98530E-02	3.87400E-01
5.98530E-02	3.87400E-01
5.98530E-02	3.87300E-01
9.97500E-02	3.85300E-01
9.97500E-02	3.85400E-01
1.00280E-01	3.85200E-01

1.00280E-01 3.85500E-01
ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

CONCENTRATION	DIFFUSION COEFFICIENT
2.71500E-02	1.52600E-05
2.75700E-02	1.51200E-05
8.05900E-02	1.49000E-05
9.64400E-02	1.48300E-05
1.26700E-01	1.47900E-05
1.41900E-01	1.48100E-05
2.08200E-01	1.47200E-05
2.08200E-01	1.47400E-05
2.13000E-01	1.47300E-05
3.00000E-01	1.47300E-05
3.41600E-01	1.47700E-05
5.00400E-01	1.47300E-05
6.98700E-01	1.47700E-05
1.00000E+00	1.48500E-05
2.00280E+00	1.51900E-05
2.03050E+00	1.51700E-05
3.00000E+00	1.56500E-05
4.00000E+00	1.59400E-05
4.52610E+00	1.59200E-05
5.00000E+00	1.59000E-05

VITAGLIANO & LYONS. JACS 78, 1549 (1956)

CONCENTRATION	DIFFUSION COEFFICIENT
0.	1.61200E-05
7.46000E-04	1.58600E-05
1.61000E-03	1.57600E-05
3.30000E-03	1.57600E-05
4.50000E-03	1.56200E-05
5.20000E-03	1.55900E-05
6.50000E-03	1.55700E-05
7.70000E-03	1.55500E-05
9.00000E-03	1.54400E-05
9.30000E-03	1.54400E-05
1.00000E-02	1.54700E-05
1.47300E-02	1.54200E-05

HARNED & HILDRETH. JACS 73, 650 (1951)

CONCENTRATION	DIFFUSION COEFFICIENT
0.	1.61200E-05
5.00000E-02	1.50600E-05
1.00000E-01	1.48400E-05
2.00000E-01	1.47800E-05
3.00000E-01	1.47700E-05
5.00000E-01	1.47400E-05
7.00000E-01	1.47500E-05
1.00000E+00	1.48300E-05
1.50000E+00	1.49500E-05
2.00000E+00	1.51400E-05
2.50000E+00	1.52900E-05
3.00000E+00	1.54400E-05
3.50000E+00	1.55900E-05
4.00000E+00	1.58400E-05

STOKES. JACS 72, 2243 (1950)

MOLALITY

GAMMA

1.00000E-01	7.78000E-01
2.00000E-01	7.35000E-01
3.00000E-01	7.10000E-01
4.00000E-01	6.93000E-01
5.00000E-01	6.81000E-01
6.00000E-01	6.73000E-01
7.00000E-01	6.67000E-01
8.00000E-01	6.62000E-01
9.00000E-01	6.59000E-01
1.00000E+00	6.57000E-01
1.20000E+00	6.54000E-01
1.40000E+00	6.55000E-01
1.60000E+00	6.57000E-01
1.80000E+00	6.62000E-01
2.00000E+00	6.68000E-01
2.50000E+00	6.88000E-01
3.00000E+00	7.14000E-01
3.50000E+00	7.46000E-01
4.00000E+00	7.83000E-01
4.50000E+00	8.26000E-01
5.00000E+00	8.74000E-01
5.50000E+00	9.28000E-01
6.00000E+00	9.86000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

1.00000E-03	9.65000E-01
1.00000E-02	9.01000E-01
5.00000E-02	8.23000E-01
1.00000E-01	7.74000E-01
2.00000E-01	7.29000E-01
5.00000E-01	6.76000E-01
1.00000E+00	6.53000E-01
1.50000E+00	6.53000E-01
2.00000E+00	6.66000E-01
2.50000E+00	6.88000E-01
3.00000E+00	7.14000E-01
3.50000E+00	7.48000E-01
4.00000E+00	7.88000E-01
4.50000E+00	8.44000E-01
5.00000E+00	9.01000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

SODIUM CHLORIDE IN WATER AT 30 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.10700E+00
1.50000E+00	1.15200E+00
2.00000E+00	1.21200E+00
2.50000E+00	1.28400E+00
3.00000E+00	1.35600E+00
3.50000E+00	1.43400E+00
4.00000E+00	1.52200E+00
4.50000E+00	1.61400E+00
5.00000E+00	1.70900E+00
6.21000E+00	1.94200E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	9.23000E-02
1.50000E+00	1.30700E-01
2.00000E+00	1.61900E-01
2.50000E+00	1.88500E-01
3.00000E+00	2.11100E-01
3.50000E+00	2.29200E-01
4.00000E+00	2.44300E-01
4.50000E+00	2.56400E-01
5.00000E+00	2.65900E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM CHLORIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

0.	9.94060E-01
1.66890E+00	1.05656E+00
1.66900E+00	1.05660E+00
3.44940E+00	1.11538E+00
5.41440E+00	1.17282E+00

HOLEMANN & KOHNER. Z PHYSIK CHEM B 13, 338 (1931)

MASS FRACTION

DENSITY

4.94600E-02	1.02848E+00
1.01870E-01	1.06606E+00
1.48900E-01	1.10097E+00
1.99570E-01	1.14008E+00
2.49290E-01	1.18019E+00

GIBSON & LOEFFLER. ANN N Y ACAD SCI 51, 727 (1949)

MASS FRACTION

DENSITY

2.48200E-01	1.17942E+00
1.69863E-01	1.11690E+00

9.15980E-02	1.05852E+00
6.12980E-02	1.03671E+00
2.86610E-02	1.01388E+00

SCOTT, OBENHAUS & WILSON. J PHYS CHEM 38, 931 (1934)

MASS FRACTION

VISCOSITY

0.	7.24000E-01
1.00000E-02	7.31000E-01
5.00000E-02	7.96000E-01
1.00000E-01	8.75000E-01
2.00000E-01	1.12400E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

CONCENTRATION

VISCOSITY

1.09300E+00	7.62800E-01
3.27900E+00	1.05130E+00
4.37200E+00	1.21330E+00
5.46500E+00	1.40950E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.09200E+00
1.50000E+00	1.14500E+00
2.00000E+00	1.20700E+00
2.50000E+00	1.27700E+00
3.00000E+00	1.35400E+00
3.50000E+00	1.42000E+00
4.00000E+00	1.50600E+00
4.50000E+00	1.60300E+00
5.00000E+00	1.71500E+00

SURYANARAYANA & VENKATESAN. TRANS FAR SOC 54, 1709 (1958)

MOLALITY

RELATIVE VISCOSITY

6.22700E+00	1.92300E+00
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SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.00700E-01
1.50000E+00	1.39500E-01
2.00000E+00	1.73900E-01
2.50000E+00	2.00800E-01
3.00000E+00	2.25100E-01
3.50000E+00	2.43500E-01
4.00000E+00	2.60200E-01
4.50000E+00	2.73200E-01
5.00000E+00	2.83200E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.53750E+02
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5.00000E-04	1.51330E+02
1.00000E-03	1.50380E+02
2.00000E-03	1.49040E+02
5.00000E-03	1.46550E+02
1.00000E-02	1.43940E+02

BENSON & GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION

	TRANSFERENCE NUMBER
0.	4.00300E-01
7.92200E-02	3.89300E-01
9.91000E-02	3.88000E-01
1.47600E-01	3.85300E-01
1.86900E-01	3.82600E-01
1.97700E-01	3.83200E-01
2.96500E-01	3.79700E-01
3.94600E-01	3.77200E-01
4.92200E-01	3.75500E-01
5.94200E-01	3.73900E-01
9.75200E-01	3.69300E-01
1.44830E+00	3.65300E-01
1.91230E+00	3.62500E-01
2.80990E+00	3.58000E-01
3.24520E+00	3.56000E-01
3.67850E+00	3.54200E-01
4.08590E+00	3.52600E-01
4.49390E+00	3.51000E-01
4.93860E+00	3.49500E-01

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

	TRANSFERENCE NUMBER
5.00000E-02	3.94000E-01
1.00000E-01	3.88000E-01
2.00000E-01	3.83000E-01
5.00000E-01	3.75000E-01
1.00000E+00	3.69000E-01
1.50000E+00	3.66000E-01
2.00000E+00	3.62000E-01
2.50000E+00	3.60000E-01
3.00000E+00	3.58000E-01
3.50000E+00	3.56000E-01
4.00000E+00	3.54000E-01
4.50000E+00	3.53000E-01
5.00000E+00	3.51000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

CONCENTRATION

	TRANSFERENCE NUMBER
-0.	4.00200E-01
5.00000E-04	3.99200E-01
1.00000E-03	3.98700E-01
2.00000E-03	3.98100E-01
5.00000E-03	3.97000E-01
1.00000E-02	3.95800E-01
2.00000E-02	3.94300E-01
5.00000E-02	3.91900E-01
7.00000E-02	3.90900E-01
1.00000E-01	3.89200E-01

ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

CONCENTRATION

TRANSFERENCE NUMBER

1.49730E-02	3.94800E-01
1.49840E-02	3.94900E-01
1.98700E-02	3.94100E-01
1.99040E-02	3.94300E-01
3.26430E-02	3.93400E-01
3.31800E-02	3.93200E-01
4.02250E-02	3.92600E-01
5.91960E-02	3.91300E-01
5.91960E-02	3.91400E-01
5.98230E-02	3.91500E-01
6.49840E-02	3.91200E-01
9.81660E-02	3.89200E-01
1.00450E-01	3.89100E-01
1.08060E-01	3.88400E-01
1.08060E-01	3.88200E-01

ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	2.03100E-05
7.92200E-02	1.88200E-05
9.91000E-02	1.88400E-05
1.47600E-01	1.87200E-05
1.86900E-01	1.86300E-05
1.97700E-01	1.86500E-05
2.96500E-01	1.85700E-05
3.94600E-01	1.85600E-05
4.92200E-01	1.85800E-05
5.94200E-01	1.86000E-05
9.75200E-01	1.87000E-05
1.44830E+00	1.89100E-05
1.91230E+00	1.91300E-05
2.80990E+00	1.95800E-05
3.24520E+00	1.97600E-05
3.67850E+00	1.99200E-05
4.08590E+00	1.99900E-05
4.49390E+00	1.98900E-05
4.93860E+00	1.97500E-05

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0.	1.00000E+00
7.92200E-02	9.17800E-01
9.91000E-02	9.15400E-01
1.47600E-01	9.13400E-01
1.86900E-01	9.14100E-01
1.97700E-01	9.14600E-01
2.96500E-01	9.21300E-01
3.94600E-01	9.30800E-01
4.92200E-01	9.41800E-01
5.94200E-01	9.54200E-01
9.75200E-01	1.00570E+00
1.44830E+00	1.07790E+00
1.91230E+00	1.15860E+00

2.80990E+00	1.35170E+00
3.24520E+00	1.46800E+00
3.67850E+00	1.60180E+00
4.08590E+00	1.74610E+00
4.49390E+00	1.91070E+00
4.93860E+00	2.11520E+00

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

GAMMA

1.00000E-03	9.65000E-01
1.00000E-02	8.99000E-01
5.00000E-02	8.21000E-01
1.00000E-01	7.72000E-01
2.00000E-01	7.26000E-01
5.00000E-01	6.73000E-01
1.00000E+00	6.53000E-01
1.50000E+00	6.56000E-01
2.00000E+00	6.71000E-01
2.50000E+00	6.96000E-01
3.00000E+00	7.24000E-01
3.50000E+00	7.58000E-01
4.00000E+00	7.98000E-01
4.50000E+00	8.55000E-01
5.00000E+00	9.12000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

SODIUM CHLORIDE IN WATER AT 40 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
40.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.10400E+00
1.50000E+00	1.15700E+00
2.00000E+00	1.22400E+00
2.50000E+00	1.29000E+00
3.00000E+00	1.37300E+00
3.50000E+00	1.43900E+00
4.00000E+00	1.53100E+00
4.50000E+00	1.61500E+00
5.00000E+00	1.72600E+00
6.26200E+00	1.95900E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.08200E-01
1.50000E+00	1.51700E-01
2.00000E+00	1.87600E-01
2.50000E+00	2.17300E-01
3.00000E+00	2.42900E-01
3.50000E+00	2.63200E-01

4.00000E+00	2.82000E-01	
4.50000E+00	2.95600E-01	
5.00000E+00	3.08200E-01	

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM CHLORIDE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.10600E+00
1.50000E+00	1.16100E+00
2.00000E+00	1.22400E+00
2.50000E+00	1.29300E+00
3.00000E+00	1.37200E+00
3.50000E+00	1.44300E+00
4.00000E+00	1.55200E+00
4.50000E+00	1.61900E+00
5.00000E+00	1.73100E+00

SURYANARAYANA \$ VENKATESAN. TRANS FAR SOC 54, 1709 (1958)

MOLALITY

RELATIVE VISCOSITY

6.29500E+00	1.88500E+00
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SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.17800E-01
1.50000E+00	1.64000E-01
2.00000E+00	2.02300E-01
2.50000E+00	2.34700E-01
3.00000E+00	2.61600E-01
3.50000E+00	2.84100E-01
4.00000E+00	3.03800E-01
4.50000E+00	3.19700E-01
5.00000E+00	3.30200E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

CONCENTRATION

EQUIVALENT CONDUCTANCE

-0.	1.82650E+02
5.00000E-04	1.79710E+02
1.00000E-03	1.78540E+02
2.00000E-03	1.76930E+02
5.00000E-03	1.73880E+02
1.00000E-02	1.70700E+02

BENSON \$ GORDON. J CHEM PHYS 13, 473 (1945)

CONCENTRATION

	TRANSFERENCE NUMBER
-0.	4.03900E-01
5.00000E-04	4.02800E-01
1.00000E-03	4.02300E-01
2.00000E-03	4.01800E-01
5.00000E-03	4.00800E-01
1.00000E-02	3.99600E-01
2.00000E-02	3.98200E-01
5.00000E-02	3.95700E-01
7.00000E-02	3.94700E-01
1.00000E-01	3.93200E-01

ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

CONCENTRATION	TRANSFERENCE NUMBER
1.49260E-02	3.98800E-01
1.50200E-02	3.98800E-01
1.80890E-02	3.98300E-01
1.98560E-02	3.98100E-01
3.25140E-02	3.97000E-01
3.31620E-02	3.96900E-01
5.96000E-02	3.95100E-01
6.02960E-02	3.95100E-01
9.90500E-02	3.93200E-01
9.93200E-02	3.93400E-01

ALLGOOD & GORDON. J CHEM PHYS 10, 124 (1942)

SODIUM CHLORIDE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION	DENSITY
0.	9.88200E-01
9.89000E-02	9.92400E-01
1.97800E-01	9.96200E-01
4.94100E-01	1.00790E+00
9.87900E-01	1.02750E+00
1.97300E+00	1.06430E+00
3.94100E+00	1.13510E+00

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

MOLALITY	DENSITY
2.97640E+00	1.09280E+00
5.10690E+00	1.15680E+00
5.89510E+00	1.17710E+00

TOLLERT & D*ANS. ANGEWANDTE CHEMIE 52, 472 (1939)

MASS FRACTION	DENSITY
1.00000E-02	9.94820E-01

2.00000E-02	1.00161E+00
4.00000E-02	1.01531E+00
6.00000E-02	1.02919E+00
8.00000E-02	1.04326E+00
1.00000E-01	1.05753E+00
1.20000E-01	1.07202E+00
1.40000E-01	1.08674E+00
1.60000E-01	1.10170E+00
1.80000E-01	1.11691E+00
2.00000E-01	1.13238E+00
2.20000E-01	1.14812E+00
2.40000E-01	1.16414E+00
2.60000E-01	1.18045E+00

INTERNATIONAL CRITICAL TABLES (1929)

CONCENTRATION

VISCOSITY

0.	5.53000E-01
9.89000E-02	5.53000E-01
1.97800E-01	5.53000E-01
4.94100E-01	5.79000E-01
9.87900E-01	5.99000E-01
1.97300E+00	6.68000E-01
3.94100E+00	8.73000E-01

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.11300E+00
1.50000E+00	1.16700E+00
2.00000E+00	1.23500E+00
2.50000E+00	1.30300E+00
3.00000E+00	1.38000E+00
3.50000E+00	1.44900E+00
4.00000E+00	1.53100E+00
4.50000E+00	1.62100E+00
5.00000E+00	1.72900E+00
6.33000E+00	1.89600E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.11300E+00
2.00000E+00	1.23500E+00
3.00000E+00	1.38000E+00
4.00000E+00	1.53100E+00
5.00000E+00	1.72900E+00
6.31300E+00	1.99100E+00

TANAKA. NIPPON KAGAKU ZASSHI 83, 639 (1962)

MOLALITY

VISCOSITY

2.97640E+00	7.46000E-01
5.10690E+00	9.45000E-01
5.89510E+00	1.02700E+00

TOLLERT & D*ANS. ANGEWANDTE CHEMIE 52, 472 (1939)

CONCENTRATION	EQUIVALENT CONDUCTANCE
9.62600E-03	1.84890E+02
1.91760E-02	1.80350E+02
3.09250E-02	1.76610E+02
4.85700E-02	1.72610E+02
6.84740E-02	1.69290E+02
1.13790E-01	1.63750E+02
1.45560E-01	1.60840E+02
1.82990E-01	1.57980E+02
2.79660E-01	1.52270E+02
3.76150E-01	1.47920E+02
5.04480E-01	1.43260E+02
6.58800E-01	1.38640E+02
8.05320E-01	1.34870E+02
1.00070E+00	1.30440E+02
1.20630E+00	1.26290E+02
1.49340E+00	1.21070E+02
1.67440E+00	1.18020E+02
2.09000E+00	1.11580E+02
2.21540E+00	1.09780E+02
2.36430E+00	1.07620E+02
2.51530E+00	1.05510E+02
2.97390E+00	9.94100E+01
3.27480E+00	9.56200E+01
3.99070E+00	8.70700E+01
4.50350E+00	8.12600E+01
5.07760E+00	7.51100E+01

CHAMBERS. J PHYS CHEM 62, 1136 (1958)

MOLALITY	CONDUCTIVITY
1.00000E+00	1.26700E-01
1.50000E+00	1.76100E-01
2.00000E+00	2.16700E-01
2.50000E+00	2.50000E-01
3.00000E+00	2.81200E-01
3.50000E+00	3.04500E-01
4.00000E+00	3.25700E-01
4.50000E+00	3.42900E-01
5.00000E+00	3.58000E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

CONCENTRATION	MOLAR CONDUCTANCE
9.89000E-02	1.71300E+02
1.97800E-01	1.58500E+02
4.94100E-01	1.44300E+02
9.87900E-01	1.30900E+02
1.97300E+00	1.10700E+02
3.94100E+00	8.63600E+01

LYLE & HOSKING. PHIL MAG SER 6, 3, 487 (1902)

CONCENTRATION	TRANSFERENCE NUMBER
0.	4.06000E-01
1.96600E-01	3.89000E-01
2.94400E-01	3.85700E-01
4.17000E-01	3.82500E-01

5.69000E-01	3.79300E-01
6.08300E-01	3.78700E-01
7.42600E-01	3.76700E-01
9.69000E-01	3.74000E-01
1.43930E+00	3.70000E-01
1.89910E+00	3.66800E-01
2.35050E+00	3.64200E-01
2.79120E+00	3.62000E-01
3.15690E+00	3.60200E-01
3.64880E+00	3.58200E-01
3.66630E+00	3.58100E-01
4.05740E+00	3.56500E-01
4.86000E+00	3.54000E-01
4.86040E+00	3.54000E-01

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

TRANSFERENCE NUMBER

5.00000E-02	4.01000E-01
1.00000E-01	3.95000E-01
2.00000E-01	3.89000E-01
5.00000E-01	3.80000E-01
1.00000E+00	3.74000E-01
1.50000E+00	3.70000E-01
2.00000E+00	3.67000E-01
2.50000E+00	3.64000E-01
3.00000E+00	3.62000E-01
3.50000E+00	3.60000E-01
4.00000E+00	3.58000E-01
4.50000E+00	3.57000E-01
5.00000E+00	3.55000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	2.75400E-05
1.96600E-01	2.53200E-05
2.94400E-01	2.52000E-05
4.17000E-01	2.50900E-05
5.69000E-01	2.51000E-05
6.08300E-01	2.51000E-05
7.42600E-01	2.51300E-05
9.69000E-01	2.52000E-05
1.43930E+00	2.54300E-05
1.89910E+00	2.56500E-05
2.35050E+00	2.58700E-05
2.79120E+00	2.61000E-05
3.15690E+00	2.63100E-05
3.64880E+00	2.65900E-05
3.66630E+00	2.66100E-05
4.05740E+00	2.66000E-05
4.86000E+00	2.64600E-05
4.86040E+00	2.64400E-05

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

CONCENTRATION

1.0 + DLOG(Y)/DLOG(C)

0.	1.00000E+00
1.96600E-01	9.14000E-01

2.94400E-01	9.20800E-01
4.17000E-01	9.33300E-01
5.69000E-01	9.52000E-01
6.08300E-01	9.57200E-01
7.42600E-01	9.75900E-01
9.69000E-01	1.00970E+00
1.43930E+00	1.08750E+00
1.89910E+00	1.17220E+00
2.35050E+00	1.26330E+00
2.79120E+00	1.35950E+00
3.15690E+00	1.44480E+00
3.64880E+00	1.56730E+00
3.66630E+00	1.57180E+00
4.05740E+00	1.67570E+00
4.86000E+00	1.90630E+00
4.86040E+00	1.90650E+00

VITAGLIANO. GAZZ CHIM ITAL 90, 1847 (1960)

MOLALITY

GAMMA

1.00000E-03	9.65000E-01
1.00000E-02	8.96000E-01
5.00000E-02	8.20000E-01
1.00000E-01	7.68000E-01
2.00000E-01	7.21000E-01
5.00000E-01	6.68000E-01
1.00000E+00	6.49000E-01
1.50000E+00	6.56000E-01
2.00000E+00	6.72000E-01
2.50000E+00	7.00000E-01
3.00000E+00	7.29000E-01
3.50000E+00	7.62000E-01
4.00000E+00	7.97000E-01
4.50000E+00	8.51000E-01
5.00000E+00	9.03000E-01

CARAMAZZA. GAZZ CHIM ITAL 90, 1839 (1960)

SODIUM CHLORIDE IN WATER AT 55 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
55.000	58.440	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.11300E+00
1.50000E+00	1.17000E+00
2.00000E+00	1.23600E+00
2.50000E+00	1.30800E+00
3.00000E+00	1.38100E+00
3.50000E+00	1.45000E+00
4.00000E+00	1.53300E+00
4.50000E+00	1.62500E+00
5.00000E+00	1.72500E+00
6.35600E+00	1.91000E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.35300E-01
1.50000E+00	1.87600E-01
2.00000E+00	2.29900E-01
2.50000E+00	2.67000E-01
3.00000E+00	2.98800E-01
3.50000E+00	3.25700E-01
4.00000E+00	3.46700E-01
4.50000E+00	3.66400E-01
5.00000E+00	3.81000E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM DIHYDROGEN PHOSPHATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	119.970	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY

1.02000E-03	9.97160E-01
6.85900E-03	9.97860E-01
8.26500E-03	9.98020E-01
1.03000E-02	9.98360E-01
1.37200E-02	9.98400E-01
2.00000E-02	9.98960E-01
2.56600E-02	9.99660E-01
2.75100E-02	9.99800E-01
3.87800E-02	1.00070E+00
5.15200E-02	1.00190E+00
6.86400E-02	1.00350E+00
7.77800E-02	1.00380E+00
9.27400E-02	1.00600E+00
1.03000E-01	1.00650E+00
1.37400E-01	1.00930E+00
1.93500E-01	1.01400E+00
2.75400E-01	1.02150E+00
3.09100E-01	1.02470E+00
4.12800E-01	1.03330E+00
5.15200E-01	1.04230E+00
6.18300E-01	1.05090E+00
7.78300E-01	1.06420E+00
9.27400E-01	1.07670E+00
1.36700E+00	1.11290E+00
2.06100E+00	1.16760E+00
3.88500E+00	1.30530E+00

MASON & CULVERN. JACS 71, 2387 (1949)

CONCENTRATION

EQUIVALENT CONDUCTANCE

1.02000E-03	8.46340E+01
2.06400E-03	8.18210E+01
4.00700E-03	7.99960E+01

6.85900E-03	7.79240E+01
8.26500E-03	7.75370E+01
1.03000E-02	7.68090E+01
1.37200E-02	7.53100E+01
2.00000E-02	7.40790E+01
2.56600E-02	7.28730E+01
2.75100E-02	7.16190E+01
3.87800E-02	7.05000E+01
5.15200E-02	6.88800E+01
6.86400E-02	6.70180E+01
7.77800E-02	6.61380E+01
9.27400E-02	6.51350E+01
1.03000E-01	6.44100E+01
1.37400E-01	6.19370E+01
1.93500E-01	5.92910E+01
2.75400E-01	5.58100E+01
3.09100E-01	5.48830E+01
4.12800E-01	5.17320E+01
5.15200E-01	4.92810E+01
6.18300E-01	4.70310E+01
7.78300E-01	4.38680E+01
9.27400E-01	4.15040E+01
1.36700E+00	3.54930E+01
2.06100E+00	2.81150E+01
3.88500E+00	1.55130E+01

MASON & CULVERN. JACS 71, 2387 (1949)

SODIUM IODIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	149.890	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

2.50700E+00	1.25510E+00
2.96800E+00	1.29730E+00
5.10700E+00	1.47490E+00
8.09500E+00	1.68420E+00
8.47300E+00	1.70750E+00
1.12860E+01	1.87100E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

2.50700E+00	9.87100E-01
2.96800E+00	1.02300E+00
5.10700E+00	1.26230E+00
8.09500E+00	1.87500E+00
8.47300E+00	1.97960E+00
1.12860E+01	3.06600E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

CONCENTRATION

RELATIVE VISCOSITY

2.90000E-01	1.00800E+00
6.07000E-01	1.01500E+00
1.05000E+00	1.03200E+00
2.05900E+00	1.09400E+00
2.94700E+00	1.20100E+00

DUNLOP \$ STOKES. JACS 73, 5456 (1951)

CONCENTRATION

MOLAR CONDUCTANCE

5.00000E-04	1.25360E+02
1.00000E-03	1.24250E+02
5.00000E-03	1.21250E+02
1.00000E-02	1.19240E+02
2.00000E-02	1.16700E+02
5.00000E-02	1.12790E+02
1.00000E-01	1.08780E+02
8.56000E-01	9.44000E+01
1.00000E-01	1.09400E+02
2.50000E-01	1.04100E+02
5.00000E-01	9.88300E+01
1.00000E+00	9.25300E+01
2.00000E+00	8.36600E+01
3.00000E+00	7.57600E+01
4.00000E+00	6.83600E+01

LANDOLT-BORNSTEIN. VOL 2, PART 7 (1960)

NORMALITY

TRANSFERENCE NUMBER

2.00000E-01	3.82700E-01
1.00000E+00	3.84000E-01

KAIMAKOV \$ VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

0.	1.61600E-05
5.00000E-02	1.52700E-05
1.00000E-01	1.52000E-05
2.00000E-01	1.53200E-05
3.00000E-01	1.54700E-05
5.00000E-01	1.58000E-05
7.00000E-01	1.61200E-05
1.00000E+00	1.66200E-05
1.50000E+00	1.75100E-05
2.00000E+00	1.84600E-05
2.50000E+00	1.92500E-05
3.00000E+00	1.99200E-05

DUNLOP \$ STOKES. JACS 73, 5456 (1951)

MOLALITY

GAMMA

1.00000E-01	7.87000E-01
2.00000E-01	7.51000E-01
3.00000E-01	7.35000E-01
4.00000E-01	7.27000E-01
5.00000E-01	7.23000E-01
6.00000E-01	7.23000E-01
7.00000E-01	7.24000E-01
8.00000E-01	7.27000E-01

9.00000E-01	7.31000E-01
1.00000E+00	7.36000E-01
1.20000E+00	7.47000E-01
1.40000E+00	7.63000E-01
1.60000E+00	7.80000E-01
1.80000E+00	7.99000E-01
2.00000E+00	8.20000E-01
2.50000E+00	8.83000E-01
3.00000E+00	9.63000E-01
3.50000E+00	1.05300E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA	
1.00000E+00	7.36000E-01
2.00000E+00	8.20000E-01
3.00000E+00	1.05000E+00
4.00000E+00	1.25000E+00
5.00000E+00	1.72000E+00
6.00000E+00	2.23000E+00
7.00000E+00	2.88000E+00
8.00000E+00	3.68000E+00
9.00000E+00	4.69000E+00
1.00000E+01	5.94000E+00
1.10000E+01	7.40000E+00
1.20000E+01	9.00000E+00

MILLER & SHERIDAN. J PHYS CHEM 60, 184 (1956)

SODIUM NITRATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	84.990	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DENSITY	
1.86110E-01	1.00766E+00
4.64250E-01	1.02282E+00
6.90310E-01	1.03522E+00
9.55750E-01	1.04971E+00
1.16120E+00	1.06076E+00
1.61570E+00	1.08463E+00
1.88860E+00	1.09896E+00
2.48130E+00	1.12965E+00
3.49760E+00	1.18097E+00
4.00680E+00	1.20669E+00
4.49120E+00	1.23060E+00
4.84970E+00	1.24831E+00

GELLINGS. REC TRAV CHIM 75, 209 (1956)

CONCENTRATION

MOLAR CONDUCTANCE	
8.91480E-03	1.14420E+02
4.49210E-02	1.06590E+02
1.86110E-01	9.58900E+01

4.64250E-01	8.63300E+01
6.90310E-01	8.12700E+01
9.55750E-01	7.67700E+01
1.16120E+00	7.35900E+01
1.61570E+00	6.73200E+01
1.88860E+00	6.41400E+01
2.48130E+00	5.79100E+01
3.04870E+00	5.23000E+01
3.49760E+00	4.89700E+01
4.00680E+00	4.51700E+01
4.49120E+00	4.18300E+01
4.84970E+00	3.95500E+01

GELLINGS. REC TRAV CHIM 75, 209 (1956)

CONCENTRATION EQUIVALENT CONDUCTANCE
 1.00000E-01 1.01260E+02
 MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION TRANSFERENCE NUMBER
 1.00000E-01 4.09700E-01
 MAC INNES & COWPERTHWAIT. TRANS FARADAY SOC 23, 400 (1927)

CONCENTRATION DIFFUSION COEFFICIENT
 2.23000E-03 1.53400E-05
 4.79000E-03 1.51600E-05
 7.10000E-03 1.51200E-05
 8.72000E-03 1.51400E-05
 1.00900E-02 1.49800E-05
 HARNED & SHRUPSHIRE. JACS 80, 2618 (1958)

MOLALITY GAMMA

1.00000E-01	7.62000E-01
2.00000E-01	7.03000E-01
3.00000E-01	6.66000E-01
4.00000E-01	6.38000E-01
5.00000E-01	6.17000E-01
6.00000E-01	5.99000E-01
7.00000E-01	5.83000E-01
8.00000E-01	5.70000E-01
9.00000E-01	5.58000E-01
1.00000E+00	5.48000E-01
1.20000E+00	5.30000E-01
1.40000E+00	5.14000E-01
1.60000E+00	5.01000E-01
1.80000E+00	4.89000E-01
2.00000E+00	4.78000E-01
2.50000E+00	4.55000E-01
3.00000E+00	4.37000E-01
3.50000E+00	4.22000E-01
4.00000E+00	4.08000E-01
4.50000E+00	3.96000E-01
5.00000E+00	3.86000E-01
5.50000E+00	3.78000E-01
6.00000E+00	3.71000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

SODIUM NITRATE IN WATER AT 30 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.000	84.990	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.05000E+00
2.00000E+00	1.13700E+00
3.00000E+00	1.26400E+00
4.00000E+00	1.40900E+00
5.00000E+00	1.56800E+00
6.00000E+00	1.74800E+00
7.00000E+00	1.95400E+00
8.00000E+00	2.16400E+00
9.00000E+00	2.41900E+00
1.13100E+01	3.02200E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 16, 149 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	8.09000E-02
2.00000E+00	1.34800E-01
3.00000E+00	1.69500E-01
4.00000E+00	1.93000E-01
5.00000E+00	2.06600E-01
6.00000E+00	2.14900E-01
7.00000E+00	2.20200E-01
8.00000E+00	2.22700E-01
9.00000E+00	2.22500E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM NITRATE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	84.990	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.07300E+00
2.00000E+00	1.18500E+00
3.00000E+00	1.28200E+00
4.00000E+00	1.43100E+00
5.00000E+00	1.60500E+00
6.00000E+00	1.78800E+00
7.00000E+00	1.99600E+00
8.00000E+00	2.21500E+00

9.00000E+00 2.46700E+00
 1.18100E+01 3.20400E+00
 SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 16, 149 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	8.68000E-02
2.00000E+00	1.52200E-01
3.00000E+00	1.80700E-01
4.00000E+00	2.04400E-01
5.00000E+00	2.20900E-01
6.00000E+00	2.29700E-01
7.00000E+00	2.35000E-01
8.00000E+00	2.36800E-01
9.00000E+00	2.36800E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM NITRATE IN WATER AT 40 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
40.000	84.990	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.08200E+00
2.00000E+00	1.20000E+00
3.00000E+00	1.30000E+00
4.00000E+00	1.44600E+00
5.00000E+00	1.62400E+00
6.00000E+00	1.80200E+00
7.00000E+00	2.01600E+00
8.00000E+00	2.22400E+00
9.00000E+00	2.46900E+00
1.23200E+01	3.36100E+00

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 16, 149 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	9.34000E-02
2.00000E+00	1.64000E-01
3.00000E+00	1.95100E-01
4.00000E+00	2.21000E-01
5.00000E+00	2.37900E-01
6.00000E+00	2.48500E-01
7.00000E+00	2.53800E-01
8.00000E+00	2.57000E-01
9.00000E+00	2.57400E-01

SURYANARAYANA & VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM NITRATE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	84.990	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.08600E+00
2.00000E+00	1.20500E+00
3.00000E+00	1.30700E+00
4.00000E+00	1.45400E+00
5.00000E+00	1.62900E+00
6.00000E+00	1.80400E+00
7.00000E+00	2.00500E+00
8.00000E+00	2.21800E+00
9.00000E+00	2.45800E+00
1.28300E+01	3.50000E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 16, 149 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.03000E-01
2.00000E+00	1.77500E-01
3.00000E+00	2.10800E-01
4.00000E+00	2.37400E-01
5.00000E+00	2.54900E-01
6.00000E+00	2.66800E-01
7.00000E+00	2.74200E-01
8.00000E+00	2.76300E-01
9.00000E+00	2.78900E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM NITRATE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	84.990	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.09400E+00
2.00000E+00	1.21800E+00
3.00000E+00	1.31900E+00
4.00000E+00	1.46600E+00
5.00000E+00	1.64300E+00
6.00000E+00	1.81700E+00
7.00000E+00	2.00700E+00
8.00000E+00	2.22200E+00
9.00000E+00	2.45300E+00
1.33400E+01	3.63400E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 16, 149 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.10800E-01
2.00000E+00	1.89800E-01
3.00000E+00	2.25100E-01
4.00000E+00	2.53800E-01
5.00000E+00	2.73400E-01
6.00000E+00	2.86900E-01
7.00000E+00	2.93900E-01
8.00000E+00	2.98300E-01
9.00000E+00	2.99700E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM NITRATE IN WATER AT 55 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 55.000 84.990 18.015 2.0 1.0 1.0 1.0 -1.0

MOLALITY

RELATIVE VISCOSITY

1.00000E+00	1.10200E+00
2.00000E+00	1.22400E+00
3.00000E+00	1.34500E+00
4.00000E+00	1.47600E+00
5.00000E+00	1.65000E+00
6.00000E+00	1.82400E+00
7.00000E+00	2.00200E+00
8.00000E+00	2.22800E+00
9.00000E+00	2.45400E+00
1.39000E+01	3.71800E+00

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 16, 149 (1958)

MOLALITY

CONDUCTIVITY

1.00000E+00	1.18500E-01
2.00000E+00	2.02200E-01
3.00000E+00	2.40400E-01
4.00000E+00	2.69900E-01
5.00000E+00	2.91600E-01
6.00000E+00	3.06100E-01
7.00000E+00	3.14100E-01
8.00000E+00	3.18500E-01
9.00000E+00	3.20700E-01

SURYANARAYANA \$ VENKATESAN. ACTA CHIM ACAD SCI HUNG 17, 327 (1958)

SODIUM HYDROXIDE IN WATER AT 20 DEGREES C
 TEMP MS MO NU NU+ NU- Z+ Z-
 20.000 40.000 18.015 2.0 1.0 1.0 1.0 -1.0

MASS FRACTION

DENSITY

5.00000E-04	9.98700E-01
9.90000E-03	1.00860E+00
4.76000E-02	1.04820E+00
9.10000E-02	1.09380E+00
2.02600E-01	1.21090E+00
3.29800E-01	1.34450E+00
4.89600E-01	1.51200E+00

MAKSIMOVA & YUSHKEVICH. ZH FIZ KHIM 37, 903 (1963)

MASS FRACTION

CONDUCTIVITY

5.00000E-04	2.60000E-03
9.90000E-03	5.00000E-02
4.76000E-02	1.90000E-01
9.10000E-02	3.00000E-01
2.02600E-01	3.40000E-01
3.29800E-01	2.80000E-01
4.89600E-01	1.50000E-01

MAKSIMOVA & YUSHKEVICH. ZH FIZ KHIM 37, 903 (1963)

MOLALITY

TRANSFERENCE NUMBER

-0.	2.00000E-01
2.00000E+00	6.00000E-02
3.00000E+00	2.00000E-02
4.00000E+00	2.00000E-02
5.00000E+00	2.00000E-02
6.00000E+00	2.00000E-02
7.00000E+00	4.00000E-02
8.00000E+00	9.00000E-02
9.00000E+00	1.40000E-01
1.00000E+01	1.40000E-01
1.10000E+01	1.10000E-01
1.20000E+01	6.00000E-02
1.30000E+01	1.00000E-02
1.40000E+01	-0.
1.50000E+01	7.00000E-02
1.60000E+01	2.20000E-01
1.70000E+01	4.10000E-01

LENGYEL, GIBER, BEKE & VERTES. ACTA CHIM ACAD SCI HUNG 39, 356 (1963)

CONCENTRATION

DIFFUSION COEFFICIENT

2.78300E-02	1.74600E-05
5.44000E-02	1.70700E-05
1.02800E-01	1.67400E-05
3.18100E-01	1.61500E-05
7.41300E-01	1.53200E-05

FARY. THESIS, INSTITUTE OF PAPER CHEMISTRY 1966

SODIUM HYDROXIDE IN WATER AT 25 DEGREES C

TEMP MS MO NU NU+ NU- Z+ Z-

25.000 40.000 18.015 2.0 1.0 1.0 1.0 -1.0

CONCENTRATION

DENSITY

1.11400E+00	1.04640E+00
1.65700E+00	1.06870E+00
2.46900E+00	1.09590E+00
3.78200E+00	1.14230E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MOLES/1000 G OF SOLUTION

DENSITY

9.45300E-01	1.03859E+00
1.01420E-01	1.00161E+00

MARSH & STOKES. AUSTRL J CHEM 17, 740 (1964)

MASS FRACTION

DENSITY

3.75320E-02	1.03825E+00
6.54500E-02	1.06887E+00
7.89200E-02	1.08344E+00
9.67100E-02	1.10294E+00
1.14250E-01	1.12220E+00
1.32810E-01	1.14241E+00
1.71570E-01	1.18493E+00
1.98130E-01	1.21414E+00
2.46920E-01	1.26794E+00
3.01340E-01	1.32612E+00
3.90080E-01	1.41695E+00
4.89730E-01	1.51217E+00

TAMAS. ACTA CHIM ACAD SCI HUNG 40, 117 (1964)

CONCENTRATION

DENSITY

-0.	9.97100E-01
3.93300E-05	9.97100E-01
1.44400E-04	9.97100E-01
3.52400E-04	9.97100E-01
7.29200E-04	9.97100E-01
1.26500E-03	9.97100E-01
2.77360E-03	9.97200E-01
5.59710E-03	9.97300E-01
2.44180E-03	9.97200E-01
1.44250E-02	9.97800E-01
2.83910E-02	9.98400E-01
4.07590E-02	9.98900E-01
8.58150E-02	1.00090E+00

HETLAND. JACS 68, 2532 (1946)

CONCENTRATION

VISCOSITY

1.11400E+00	1.25000E+00
1.65700E+00	1.39500E+00
2.46900E+00	1.65800E+00
3.78200E+00	2.21900E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MOLES/1000 G OF SOLUTION
MOLAR CONDUCTANCE

6.50900E-02	2.25700E+02
6.85100E-02	2.24900E+02
9.12900E-02	2.22400E+02
9.41900E-02	2.21700E+02
1.12670E-01	2.20200E+02
1.14150E-01	2.19600E+02
1.43470E-01	2.17000E+02
1.51160E-01	2.16700E+02
1.70430E-01	2.14800E+02
2.06390E-01	2.12600E+02
2.06760E-01	2.12200E+02
2.07070E-01	2.12800E+02
2.47890E-01	2.10000E+02
2.87320E-01	2.07700E+02
2.90250E-01	2.07700E+02
3.68550E-01	2.03500E+02
4.40990E-01	2.00000E+02
5.54470E-01	1.95000E+02
7.71260E-01	1.86200E+02
1.11030E+00	1.73800E+02
1.39190E+00	1.64100E+02
2.04920E+00	1.42900E+02
2.63690E+00	1.25000E+02
3.61290E+00	8.66300E+01
8.05720E+00	2.36700E+01
1.25540E+01	6.47700E+00

DARKEN & MEIER. J AM CHEM SOC 64, 621 (1942)

CONCENTRATION
MOLAR CONDUCTANCE

1.39390E-03	2.44930E+02
1.77460E-03	2.44420E+02
2.56170E-03	2.43460E+02
3.16300E-03	2.42880E+02
4.49720E-03	2.41800E+02
5.07870E-03	2.41260E+02
6.70970E-03	2.40280E+02
7.08990E-03	2.40000E+02
9.59400E-03	2.38720E+02
9.71380E-03	2.38640E+02
1.35844E-02	2.36910E+02
1.58535E-02	2.36100E+02
1.59438E-02	2.36030E+02
1.79533E-02	2.35330E+02
4.36220E-02	2.29120E+02

MARSH & STOKES. AUSTRAL J CHEM 17, 740 (1964)

CONCENTRATION
CONDUCTIVITY

3.93300E-05	9.71000E-06
1.44400E-04	3.56100E-05
3.52400E-04	8.66100E-05
7.29200E-04	1.78490E-04
1.26500E-03	3.08200E-04
2.77360E-03	6.69450E-04
5.59710E-03	1.34100E-03
2.44180E-03	5.89700E-04

1.44250E-02	3.39850E-03
2.83910E-02	6.57190E-03
4.07590E-02	9.33800E-03
8.58150E-02	1.90940E-02

HETLAND. JACS 68, 2532 (1946)

NORMALITY

TRANSPERANCE NUMBER

1.00000E-02	2.03000E-01
2.00000E-02	1.97000E-01
5.00000E-02	1.89000E-01
1.00000E-01	1.83000E-01
2.00000E-01	1.77000E-01
5.00000E-01	1.69000E-01
1.00000E+00	1.63000E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

3.12000E-02	1.99000E-05
5.14900E-02	1.97500E-05
1.02600E-01	1.91300E-05
3.01500E-01	1.82900E-05
7.03500E-01	1.77800E-05
1.01000E+00	1.73900E-05
2.17800E+00	1.69600E-05

FARY. THESIS, INSTITUTE OF PAPER CHEMISTRY 1966

MOLALITY

GAMMA

1.00000E-01	7.64000E-01
2.00000E-01	7.25000E-01
3.00000E-01	7.06000E-01
4.00000E-01	6.95000E-01
5.00000E-01	6.88000E-01
6.00000E-01	6.83000E-01
7.00000E-01	6.80000E-01
8.00000E-01	6.77000E-01
9.00000E-01	6.76000E-01
1.00000E+00	6.77000E-01
1.20000E+00	6.79000E-01
1.40000E+00	6.84000E-01
1.60000E+00	6.90000E-01
1.80000E+00	6.98000E-01
2.00000E+00	7.07000E-01
2.50000E+00	7.41000E-01
3.00000E+00	7.82000E-01
3.50000E+00	8.33000E-01
4.00000E+00	9.01000E-01
4.50000E+00	9.82000E-01
5.00000E+00	1.07400E+00
5.50000E+00	1.17800E+00
6.00000E+00	1.29600E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

7.00000E+00	1.59900E+00
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8.00000E+00	2.00000E+00
9.00000E+00	2.54000E+00
1.00000E+01	3.22000E+00
1.10000E+01	4.09000E+00
1.20000E+01	5.18000E+00
1.30000E+01	6.48000E+00
1.40000E+01	8.02000E+00
1.50000E+01	9.71000E+00
1.60000E+01	1.15500E+01
1.70000E+01	1.34300E+01
1.80000E+01	1.53700E+01
1.90000E+01	1.73300E+01
2.00000E+01	1.92800E+01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

GAMMA

2.70600E+01	3.09600E+01
2.41050E+01	2.71300E+01
2.07500E+01	1.92100E+01
1.89300E+01	1.80200E+01
1.69300E+01	1.36600E+01
1.43600E+01	8.87000E+00
1.11400E+01	4.37000E+00
8.09900E+00	2.07000E+00
5.99600E+00	1.31000E+00
4.08000E+00	9.17000E-01
2.05000E+00	7.27000E-01
1.02300E+00	6.80000E-01
5.32000E-01	6.81000E-01
2.52000E-01	7.26000E-01

SHIBATA & MURATA. NIPPON KAGAKU ZASSHI 52, 645 (1931)

SODIUM HYDROXIDE IN WATER AT 30.06 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.060	40.000	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DIFFUSION COEFFICIENT

2.54300E-02	2.25100E-05
3.67500E-02	2.17900E-05
8.90500E-02	2.11700E-05
2.34100E-01	2.04700E-05
5.44400E-01	2.00200E-05
1.10100E+00	1.96400E-05

FARY. THESIS, INSTITUTE OF PAPER CHEMISTRY 1966

SODIUM HYDROXIDE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	40.000	18.015	2.0	1.0	1.0	1.0	-1.0

CONCENTRATION

DIFFUSION COEFFICIENT

2.88900E-02	2.44800E-05
5.71700E-02	2.40200E-05
9.95400E-02	2.33500E-05
3.13900E-01	2.26700E-05
7.52100E-01	2.19400E-05

FARY. THESIS, INSTITUTE OF PAPER CHEMISTRY 1966

SODIUM SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	142.040	18.015	3.0	2.0	1.0	1.0	-2.0

MASS FRACTION

DENSITY

8.80000E-03	1.00790E+00
1.77000E-02	1.01350E+00
4.61000E-02	1.03930E+00
7.28000E-02	1.06380E+00
1.06100E-01	1.09520E+00
1.54400E-01	1.14250E+00
1.80900E-01	1.17050E+00
2.18000E-01	1.20710E+00

TRIMBLE. J AM CHEM SOC 44, 451 (1922)

NORMALITY

DENSITY

1.55000E+00	1.08900E+00
2.52000E+00	1.14300E+00
3.16000E+00	1.17800E+00
3.72000E+00	1.20800E+00

EZROKHI. ZHUR PRIKLAD KHIM 25, 838 (1952)

CONCENTRATION

RELATIVE DENSITY

5.00000E-04	1.00007E+00
9.90000E-04	1.00013E+00
2.51000E-03	1.00034E+00
5.01000E-03	1.00065E+00
1.00000E-02	1.00128E+00
1.77700E-02	1.00216E+00
2.50000E-02	1.00323E+00
7.12500E-02	1.00912E+00

GLASS & MADGIN. J CHEM SOC 1934, 1124

CONCENTRATION

RELATIVE VISCOSITY

5.00000E-04	1.00050E+00
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9.90000E-04	1.00090E+00
2.51000E-03	1.00170E+00
5.01000E-03	1.00290E+00
1.00000E-02	1.00550E+00
1.77700E-02	1.00790E+00
2.50000E-02	1.01180E+00
7.12500E-02	1.03130E+00

GLASS & MADGIN. J CHEM SOC 1934, 1124

MOLALITY

RELATIVE VISCOSITY

1.78300E-02	1.00790E+00
7.15600E-02	1.03130E+00
1.44370E-01	1.06260E+00
2.92960E-01	1.12960E+00
4.49380E-01	1.20620E+00
6.12470E-01	1.29430E+00
7.86070E-01	1.39440E+00
9.52790E-01	1.51060E+00
1.34412E+00	1.80950E+00
1.55108E+00	1.97790E+00
1.77155E+00	2.21550E+00
2.00111E+00	2.48440E+00

GLASS & MADGIN. J CHEM SOC 1934, 1124

NORMALITY

RELATIVE VISCOSITY

1.55000E+00	1.41100E+00
2.52000E+00	1.78000E+00
3.16000E+00	2.10000E+00
3.72000E+00	2.45000E+00

EZROKHI. ZHUR PRIKLAD KHIM 25, 838 (1952)

NORMALITY

EQUIVALENT CONDUCTANCE

1.03840E-04	1.28240E+02
1.43800E-04	1.27900E+02
1.94270E-04	1.27510E+02
3.18980E-04	1.26780E+02
3.37360E-04	1.26610E+02
5.46710E-04	1.25680E+02
6.09190E-04	1.25420E+02
8.00130E-04	1.24730E+02
8.11860E-04	1.24730E+02
1.19010E-03	1.23570E+02

JENKINS & MONK. J AM CHEM SOC 72, 2695 (1950)

MOLALITY

CONDUCTIVITY

4.04890E-03	9.21200E-04
5.50910E-03	1.22860E-03
7.10100E-03	1.55600E-03
1.24110E-02	2.59720E-03
2.60350E-02	5.06460E-03
2.77360E-02	5.35510E-03
3.47220E-02	6.53430E-03
3.64200E-02	6.80760E-03
4.25640E-02	7.80260E-03

5.83330E-02	1.02670E-02
6.94480E-02	1.19315E-02
8.50530E-02	1.41990E-02
9.77600E-02	1.59620E-02
1.10540E-01	1.77210E-02
1.18450E-01	1.87880E-02
1.24340E-01	1.95760E-02
1.28990E-01	2.01820E-02
1.56550E-01	2.37130E-02
1.69140E-01	2.52460E-02
1.86550E-01	2.73500E-02
1.97850E-01	2.87160E-02
2.04150E-01	2.94510E-02
2.10790E-01	3.02520E-02
2.26620E-01	3.20420E-02
2.25730E-01	3.19110E-02
2.49950E-01	3.46560E-02
2.50870E-01	3.47610E-02
2.74380E-01	3.73230E-02

INDELLI. RICERCA SCI 23, 2258 (1953)

NORMALITY

EQUIVALENT CONDUCTANCE

5.00000E-04 1.25000E+02

CLEWS. PROC PHYS SOC (LONDON) 47, 818 (1935)

NORMALITY

TRANSFERENCE NUMBER

9.93100E-03 3.84800E-01

1.98080E-02 3.83600E-01

5.03470E-02 3.82900E-01

1.00125E-01 3.82800E-01

1.98240E-01 3.82800E-01

LONGSWORTH. JACS 57, 1185 (1935)

NORMALITY

DIFFUSION COEFFICIENT

-0. 1.22900E-05

2.00000E-01 1.05700E-05

5.00000E-01 9.53000E-06

1.00000E+00 9.49000E-06

2.00000E+00 9.92000E-06

VINOGRAD & MC BAIN. JACS 63, 2008 (1941)

CONCENTRATION

DIFFUSION COEFFICIENT

8.10000E-04 1.17800E-05

8.10000E-04 1.17700E-05

1.47000E-03 1.17000E-05

1.99000E-03 1.16000E-05

2.68000E-03 1.15100E-05

3.56000E-03 1.13700E-05

4.48000E-03 1.12900E-05

4.49000E-03 1.13200E-05

4.79000E-03 1.12400E-05

HARNED & BLAKE. JACS 73, 2448 (1951)

CONCENTRATION

GAMMA

2.50000E-02	6.08000E-01
5.00000E-02	5.14000E-01
1.25000E-01	3.98000E-01
2.50000E-01	3.32000E-01
5.00000E-01	2.66000E-01
1.00000E+00	2.09000E-01
1.50000E+00	1.79000E-01
2.00000E+00	1.55000E-01

AKERLOF. J AM CHEM SOC 48, 1160 (1926)

MOLALITY

GAMMA

1.00000E-01	4.45000E-01
2.00000E-01	3.65000E-01
3.00000E-01	3.20000E-01
4.00000E-01	2.89000E-01
5.00000E-01	2.66000E-01
6.00000E-01	2.48000E-01
7.00000E-01	2.33000E-01
8.00000E-01	2.21000E-01
9.00000E-01	2.10000E-01
1.00000E+00	2.01000E-01
1.20000E+00	1.86000E-01
1.40000E+00	1.74600E-01
1.60000E+00	1.65400E-01
1.80000E+00	1.58000E-01
2.00000E+00	1.52000E-01
2.50000E+00	1.41800E-01
3.00000E+00	1.36500E-01
3.50000E+00	1.34500E-01
4.00000E+00	1.35400E-01

STOKES. TRANS FARADAY SOC 44, 295 (1948)

MOLALITY

GAMMA

1.00000E-01	4.45000E-01
2.00000E-01	3.65000E-01
3.00000E-01	3.20000E-01
4.00000E-01	2.89500E-01
5.00000E-01	2.67000E-01
6.00000E-01	2.49000E-01
7.00000E-01	2.34000E-01
8.00000E-01	2.22000E-01
9.00000E-01	2.11500E-01
1.00000E+00	2.02000E-01
1.50000E+00	1.71000E-01
2.00000E+00	1.53000E-01
2.50000E+00	1.43000E-01
3.00000E+00	1.38000E-01
3.50000E+00	1.36000E-01
4.00000E+00	1.37000E-01

ROBINSON, WILSON & STOKES. J AM CHEM SOC 63, 1011 (1941)

CONCENTRATION

GAMMA

2.50000E-02	5.99000E-01
5.00000E-02	5.06000E-01

1.25000E-01	3.92000E-01
2.49000E-01	3.27000E-01
4.95000E-01	2.62000E-01
9.75000E-01	2.06000E-01
1.43800E+00	1.78000E-01
1.88200E+00	1.53000E-01

HARNED & AKERLOF. PHYSIK Z 27, 411 (1926)

RUBIDIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	120.920	18.015	2.0	1.0	1.0	1.0	-1.0

MOLALITY

DENSITY

4.37600E-01	1.03480E+00
9.92900E-01	1.08040E+00
1.79720E+00	1.14270E+00
2.61580E+00	1.20210E+00
3.73580E+00	1.28380E+00
5.07000E+00	1.35790E+00
5.92550E+00	1.40570E+00
6.67780E+00	1.44500E+00
7.42010E+00	1.48310E+00

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

MOLALITY

VISCOSITY

4.37600E-01	8.78900E-01
9.92900E-01	8.69700E-01
1.79720E+00	8.60500E-01
2.61580E+00	8.61300E-01
3.73580E+00	8.70500E-01
5.07000E+00	9.04700E-01
5.92550E+00	9.30400E-01
6.67780E+00	9.55200E-01
7.42010E+00	9.90000E-01

LENGYEL, TAMAS, GIBER & HOLDERITH. MAGY KEM FOLY 70, 66 (1964)

NORMALITY

TRANSFERENCE NUMBER

2.00000E-02	4.99800E-01
1.00000E-01	4.96800E-01

KAIMAKOV & VERSHAVSKAYA. USP KHIM 35, 201 (1966)

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	2.05700E-05
1.76000E-03	2.01200E-05
2.55000E-03	2.00800E-05
4.08000E-03	2.00100E-05
4.46000E-03	1.98800E-05
4.49000E-03	1.99800E-05

4.60000E-03	1.99800E-05
6.77000E-03	1.98600E-05
6.87000E-03	1.98900E-05
7.97000E-03	1.97900E-05
1.11000E-02	1.96900E-05

HARNED & BLANDER. JACS 75, 2853 (1953)

MOLALITY

GAMMA

1.00000E-01	7.64000E-01
2.00000E-01	7.09000E-01
3.00000E-01	6.75000E-01
4.00000E-01	6.52000E-01
5.00000E-01	6.34000E-01
6.00000E-01	6.20000E-01
7.00000E-01	6.08000E-01
8.00000E-01	5.99000E-01
9.00000E-01	5.90000E-01
1.00000E+00	5.83000E-01
1.20000E+00	5.72000E-01
1.40000E+00	5.63000E-01
1.60000E+00	5.56000E-01
1.80000E+00	5.51000E-01
2.00000E+00	5.46000E-01
2.50000E+00	5.39000E-01
3.00000E+00	5.36000E-01
3.50000E+00	5.36000E-01
4.00000E+00	5.38000E-01
4.50000E+00	5.41000E-01
5.00000E+00	5.46000E-01

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

STRONTIUM CHLORIDE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	158.530	18.015	3.0	1.0	2.0	2.0	-1.0

NORMALITY

DENSITY

9.88700E-02	1.00393E+00
1.19054E-01	1.00532E+00
1.81723E-01	1.00961E+00
4.46675E-01	1.02771E+00
5.22641E-01	1.03283E+00

SHEDL CVSKY & BROWN. JACS 56, 1066 (1934)

NORMALITY

RELATIVE VISCOSITY

9.85000E-02	1.01550E+00
1.97000E-01	1.02890E+00
4.92500E-01	1.06690E+00
9.85000E-01	1.13800E+00
2.00000E+00	1.30820E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

NORMALITY

VISCOSITY

5.00000E-01	9.58700E-01
1.00000E+00	1.02620E+00
2.00000E+00	1.18380E+00
4.00000E+00	1.77400E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

NORMALITY

VISCOSITY

1.12500E+00	1.06500E+00
2.25000E+00	1.25300E+00
3.37500E+00	1.51300E+00
4.50000E+00	1.85900E+00

TIMMERMANS. PHYSICO-CHEMICAL CONSTANTS OF BINARY SYSTEMS, 1960

MOLALITY

CONDUCTIVITY

4.91400E-02	9.69000E-02
9.84700E-02	1.80400E-02
2.49200E-01	4.09000E-02
4.76400E-01	7.30000E-02
1.00000E+00	1.19500E-01

KONDRATEV & NIKICH. ZH FIZ KHIM 37, 100 (1963)

NORMALITY

EQUIVALENT CONDUCTANCE

0.	1.35800E+02
1.00000E-03	1.30330E+02
2.00000E-03	1.28170E+02
3.00000E-03	1.26600E+02
4.00000E-03	1.25320E+02
5.00000E-03	1.24240E+02
6.00000E-03	1.23280E+02
7.00000E-03	1.22430E+02
8.00000E-03	1.21650E+02
9.00000E-03	1.20940E+02
1.00000E-02	1.20290E+02
2.00000E-02	1.15540E+02
3.00000E-02	1.12450E+02
4.00000E-02	1.10140E+02
5.00000E-02	1.08250E+02
6.00000E-02	1.06690E+02
7.00000E-02	1.05360E+02
8.00000E-02	1.04180E+02
9.00000E-02	1.03140E+02
1.00000E-01	1.02190E+02

SHELOVSKY & BROWN. JACS 56, 1066 (1934)

CONCENTRATION

DIFFUSION COEFFICIENT

-0.	1.33600E-05
1.08000E-03	1.27000E-05
1.50000E-03	1.25600E-05
2.50000E-03	1.24300E-05
2.72000E-03	1.24400E-05

3.00000E-03	1.23300E-05
3.00000E-03	1.23700E-05
4.45000E-03	1.22200E-05
5.49000E-03	1.21200E-05
6.11000E-03	1.21700E-05
7.74000E-03	1.20800E-05

HARNED & POLESTRA. JACS 75, 4168 (1953)

MOLALITY

GAMMA

1.00000E-01	5.15000E-01
2.00000E-01	4.66000E-01
3.00000E-01	4.46000E-01
4.00000E-01	4.36000E-01
5.00000E-01	4.33000E-01
6.00000E-01	4.34000E-01
7.00000E-01	4.37000E-01
8.00000E-01	4.45000E-01
9.00000E-01	4.53000E-01
1.00000E+00	4.65000E-01
1.20000E+00	4.93000E-01
1.40000E+00	5.28000E-01
1.60000E+00	5.70000E-01
1.80000E+00	6.19000E-01
2.00000E+00	6.75000E-01
2.50000E+00	8.62000E-01
3.00000E+00	1.13500E+00
3.50000E+00	1.50400E+00
4.00000E+00	1.99300E+00

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

ZINC SULFATE IN WATER AT 25 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
25.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

DENSITY

2.00300E+00	1.29730E+00
1.51200E+00	1.22680E+00
5.04100E-01	1.07720E+00
2.49800E-01	1.03740E+00
9.83600E-02	1.01340E+00

PURSER & STOKES. J AM CHEM SOC 73, 5650 (1951)

NORMALITY

DENSITY

1.39000E+00	1.10570E+00
2.78000E+00	1.20990E+00
4.02000E+00	1.31000E+00
5.56000E+00	1.40710E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

CONCENTRATION

RELATIVE DENSITY

3.06000E-04	1.00005E+00
6.10000E-04	1.00009E+00
1.00800E-03	1.00015E+00
1.44900E-03	1.00022E+00
1.93300E-03	1.00029E+00
2.55600E-03	1.00038E+00
3.30300E-03	1.00049E+00
4.20900E-03	1.00063E+00
5.51700E-03	1.00083E+00
6.77500E-03	1.00101E+00
8.74200E-03	1.00131E+00

ASMUS. Z PHYSIK 108, 491 (1938)

CONCENTRATION

RELATIVE DENSITY

3.06000E-04	1.00006E+00
6.10000E-04	1.00011E+00
1.00800E-03	1.00018E+00
1.44900E-03	1.00025E+00
1.93300E-03	1.00033E+00
2.55600E-03	1.00042E+00
3.30300E-03	1.00056E+00
4.20900E-03	1.00072E+00
5.51700E-03	1.00094E+00
6.77500E-03	1.00115E+00
8.74200E-03	1.00149E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

NORMALITY

RELATIVE VISCOSITY

1.39000E+00	1.57100E+00
2.78000E+00	2.51600E+00
4.02000E+00	4.19300E+00
5.56000E+00	7.28700E+00

HERZ. Z ANORG CHEMIE 89, 393 (1914)

CONCENTRATION

RELATIVE VISCOSITY

3.06000E-04	1.00056E+00
6.10000E-04	1.00082E+00
1.00800E-03	1.00119E+00
1.44900E-03	1.00150E+00
1.93300E-03	1.00187E+00
2.55600E-03	1.00236E+00
3.30300E-03	1.00290E+00
4.20900E-03	1.00348E+00
5.51700E-03	1.00449E+00
6.77500E-03	1.00539E+00
8.74200E-03	1.00663E+00

ASMUS. Z PHYSIK 108, 491 (1938)

CONCENTRATION

RELATIVE VISCOSITY

3.06000E-04	1.00056E+00
6.10000E-04	1.00084E+00
1.00800E-03	1.00122E+00

1.44900E-03	1.00154E+00
1.93300E-03	1.00192E+00
2.55600E-03	1.00240E+00
3.30300E-03	1.00297E+00
4.20900E-03	1.00357E+00
5.51700E-03	1.00460E+00
6.77500E-03	1.00553E+00
8.74200E-03	1.00681E+00

ASMUS. ANN DER PHYSIK, SER 5, 35, 1 (1939)

NORMALITY

EQUIVALENT CONDUCTANCE

2.00000E-04	1.21000E+02
5.00000E-04	1.17000E+02
1.00000E-03	1.12500E+02
2.00000E-03	1.06000E+02
5.00000E-03	9.50000E+01
1.00000E-02	8.45000E+01
2.00000E-02	7.32500E+01
5.00000E-02	6.07500E+01
1.00000E-01	5.25000E+01
2.00000E-01	4.50000E+01
5.00000E-01	3.63000E+01
7.00000E-01	3.31000E+01
1.00000E+00	3.00000E+01
1.30000E+00	2.75000E+01
2.00000E+00	2.35000E+01

DEMASSIEUX & FEDOROFF. ANN DE CHIM, SER 11, 16, 215 (1941)

NORMALITY

CONDUCTIVITY

1.00000E-01	5.37000E-03
2.50000E-01	1.09200E-02
5.00000E-01	1.85700E-02
1.00000E+00	3.06800E-02

HALLSTROM. SOC SCI FENNICA COMM PHYS MATH 1 (20) 1 (1922)

CONCENTRATION

CONDUCTIVITY

3.88000E-04	9.16300E-05
8.53200E-04	1.87660E-04
1.53970E-03	3.15490E-04
2.37480E-03	4.57280E-04
3.67860E-03	6.59800E-04
5.37120E-03	9.00400E-04
6.94120E-03	1.10832E-03
9.64280E-03	1.44269E-03
1.43990E-02	1.98308E-03
1.87372E-02	2.44029E-03
4.16800E-04	9.79400E-05
8.61400E-04	1.89330E-04
1.50630E-03	3.09590E-04
2.37170E-03	4.56840E-04
3.67240E-03	6.58920E-04
5.07180E-03	8.59300E-04
6.82540E-03	1.09342E-03
8.68670E-03	1.32720E-03
1.10427E-02	1.60707E-03
1.56522E-02	2.11795E-03

1.98362E-02	2.55188E-03
5.47400E-04	1.25780E-04
2.24110E-03	4.35470E-04
4.64630E-03	7.99040E-04
8.44330E-03	1.29735E-03
1.60010E-02	2.15505E-03
2.40430E-02	2.96765E-03
3.25900E-02	3.76580E-03
4.19650E-02	4.58940E-03
5.06340E-02	5.31560E-03
6.08260E-02	6.13560E-03
7.35630E-02	7.11950E-03
8.57730E-02	8.02790E-03
1.08509E-01	9.64630E-03
1.28845E-01	1.10273E-02

OWEN & CURRY. JACS 60, 3074 (1938)

MOLALITY

	TRANSFERENCE NUMBER
2.19100E+00	1.87000E-01
2.06500E+00	1.96000E-01
1.93300E+00	2.04000E-01
1.59600E+00	2.24000E-01
1.33400E+00	2.38000E-01
1.03600E+00	2.56000E-01
7.71000E-01	2.75000E-01
5.03000E-01	3.01000E-01
2.55200E-01	3.39000E-01
1.00300E-01	3.92000E-01
8.35000E-02	3.92000E-01
4.68000E-02	3.92000E-01
1.77300E-02	3.92000E-01
9.67000E-03	3.92000E-01
4.64000E-03	3.92000E-01

LANG & KING. JACS 76, 4716 (1954)

NORMALITY

	TRANSFERENCE NUMBER
9.69200E-03	3.82600E-01
9.69200E-03	3.83000E-01
2.27000E-02	3.79900E-01
3.54900E-02	3.77200E-01
3.54900E-02	3.77900E-01
5.09500E-02	3.74700E-01
7.51000E-02	3.71900E-01
7.51000E-02	3.72000E-01
7.51000E-02	3.72100E-01
9.02700E-02	3.69800E-01

DYE, FABER & KARL. JACS 82, 314 (1960)

MOLALITY

	TRANSFERENCE NUMBER
5.00000E-03	3.89000E-01
1.00000E-02	3.89000E-01
5.00000E-02	3.89000E-01
1.00000E-01	3.84000E-01
1.50000E-01	3.59000E-01
2.50000E-01	3.31000E-01
5.00000E-01	2.94000E-01

1.00000E+00	2.55000E-01
1.50000E+00	2.26000E-01
2.00000E+00	1.97000E-01

PURSER & STOKES. J AM CHEM SOC 73, 5650 (1951)

CONCENTRATION		DIFFUSION COEFFICIENT
1.08000E-03	7.47000E-06	
1.39000E-03	7.39000E-06	
1.92000E-03	7.33000E-06	
2.56000E-03	7.28000E-06	
2.60000E-03	7.31000E-06	
2.63000E-03	7.32000E-06	
3.08000E-03	7.21000E-06	
4.39000E-03	7.14000E-06	
4.71000E-03	7.07000E-06	

HARNED & HUDSON. JACS 73, 3781 (1951)

CONCENTRATION		DIFFUSION COEFFICIENT
-0.	8.40000E-06	
3.12500E-02	6.84000E-06	
1.25000E-01	6.19000E-06	
2.50000E-01	5.74000E-06	

WALL & WENDT. J PHYS CHEM 62, 1581 (1958)

MOLALITY		GAMMA
1.00000E-04	9.07000E-01	
5.00000E-04	8.03000E-01	
1.00000E-03	7.34000E-01	
2.00000E-03	6.50000E-01	
5.00000E-03	5.19000E-01	
1.00000E-02	4.21000E-01	
2.00000E-02	3.24000E-01	
5.00000E-02	2.20000E-01	
8.00000E-02	1.76000E-01	
1.00000E-01	1.61000E-01	
2.00000E-01	1.13000E-01	
3.00000E-01	9.10000E-02	
5.00000E-01	6.90000E-02	
8.00000E-01	5.34000E-02	
1.00000E+00	4.77000E-02	
1.50000E+00	4.05000E-02	
2.00000E+00	3.85000E-02	
2.50000E+00	4.00000E-02	
3.00000E+00	4.45000E-02	
3.50000E+00	5.18000E-02	

BRAY. J AM CHEM SOC 49, 2372 (1927)

MOLALITY		GAMMA
1.00000E-01	1.61000E-01	
2.00000E-01	1.13000E-01	
3.00000E-01	9.04000E-02	
4.00000E-01	7.71000E-02	
5.00000E-01	6.81000E-02	
7.00000E-01	5.66000E-02	

1.00000E+00	4.72000E-02
1.50000E+00	4.06000E-02
2.00000E+00	3.81000E-02
2.50000E+00	3.95000E-02
3.00000E+00	4.32000E-02
3.50000E+00	5.08000E-02

ROBINSON & JONES. JACS 58, 959 (1936)

MOLALITY

	GAMMA
5.12000E-02	2.02000E-01
1.50000E-01	1.23000E-01
5.10000E-01	6.31000E-02
1.50100E+00	3.72000E-02

KIELLAND. J AM CHEM SOC 58, 1855 (1936)

MOLALITY

	GAMMA
4.97700E-03	7.34700E-01
1.24160E-02	3.85200E-01
4.77470E-02	1.96200E-01
1.24214E-01	1.22900E-01
2.48634E-01	8.11000E-02
4.97233E-01	5.68000E-02
4.97000E-03	6.81100E-01
1.24180E-02	4.04000E-01
4.97120E-02	1.84400E-01
1.24272E-01	1.31600E-01
2.48064E-01	8.35000E-02
4.97181E-01	6.11000E-02

ARVIA. REV FAC CIENC QUIM, UNIV NACL LA PLATA 27, 57 (1952)

MOLALITY

	GAMMA
1.00000E-01	1.50000E-01
2.00000E-01	1.04000E-01
3.00000E-01	8.35000E-02
4.00000E-01	7.14000E-02
5.00000E-01	6.30000E-02
6.00000E-01	5.69000E-02
7.00000E-01	5.23000E-02
8.00000E-01	4.87000E-02
9.00000E-01	4.58000E-02
1.00000E+00	4.35000E-02
1.20000E+00	4.01000E-02
1.40000E+00	3.78000E-02
1.60000E+00	3.63000E-02
1.80000E+00	3.56000E-02
2.00000E+00	3.57000E-02
2.50000E+00	3.67000E-02
3.00000E+00	4.08000E-02
3.50000E+00	4.80000E-02

ROBINSON & STOKES. ELECTROLYTE SOLUTIONS, 2ND ED (REV) (1959)

MOLALITY

	GAMMA
6.12565E-02	1.86000E-01
6.84336E-02	1.75900E-01

7.74078E-02	1.65900E-01
8.93737E-02	1.53300E-01
1.05639E-01	1.40100E-01
1.29053E-01	1.25300E-01
1.65909E-01	1.11100E-01
2.32736E-01	9.45000E-02
3.88101E-01	7.08000E-02
4.65939E-01	6.28000E-02
6.99959E-01	4.93000E-02
9.34676E-01	4.29000E-02
1.17014E+00	3.89000E-02
1.00000E+00	4.22000E-02
1.40000E+00	3.68000E-02
1.60000E+00	3.61000E-02
1.80000E+00	3.40000E-02
2.00000E+00	3.41000E-02
2.50000E+00	3.62000E-02
3.00000E+00	3.81000E-02

MASAKI & IKKATAI. BULL CHEM SOC JAPAN 7, 238 (1932)

ZINC SULFATE IN WATER AT 30 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
30.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	8.88800E-01
4.65200E-01	9.91000E-01
6.42800E-01	1.08600E+00
8.34700E-01	1.19100E+00
1.01600E+00	1.31700E+00
1.19000E+00	1.45200E+00
1.48000E+00	1.72200E+00
1.77000E+00	2.12200E+00
2.06000E+00	2.52000E+00
2.35000E+00	3.15200E+00
2.64000E+00	3.81100E+00
2.93000E+00	4.73900E+00
3.22000E+00	5.90200E+00
3.51000E+00	7.31800E+00
3.82300E+00	8.87600E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

ZINC SULFATE IN WATER AT 35 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
35.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	7.94900E-01
4.65200E-01	8.84900E-01
6.42800E-01	9.63900E-01
8.34700E-01	1.05300E+00
1.01600E+00	1.13200E+00
1.19000E+00	1.23700E+00
1.48000E+00	1.45600E+00
1.77000E+00	1.69900E+00
2.06000E+00	2.08800E+00
2.35000E+00	2.51000E+00
2.64000E+00	3.12100E+00
2.93000E+00	3.83200E+00
3.22000E+00	4.73200E+00
3.51000E+00	5.85200E+00
4.10000E+00	8.66400E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

ZINC SULFATE IN WATER AT 40 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
40.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	7.18800E-01
4.65200E-01	7.93800E-01
6.42800E-01	8.59800E-01
8.34700E-01	9.34800E-01
1.01600E+00	1.02700E+00
1.19000E+00	1.11800E+00
1.48000E+00	1.29800E+00
1.77000E+00	1.49900E+00
2.06000E+00	1.82600E+00
2.35000E+00	2.18400E+00
2.64000E+00	2.68000E+00
2.93000E+00	3.27800E+00
3.22000E+00	4.01000E+00
3.51000E+00	4.92600E+00
4.34500E+00	8.56900E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

ZINC SULFATE IN WATER AT 45 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
45.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	6.11500E-01
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4.65200E-01	7.16800E-01
6.42800E-01	7.74500E-01
8.34700E-01	8.38500E-01
1.01600E+00	9.06500E-01
1.19000E+00	9.90200E-01
1.48000E+00	1.14400E+00
1.77000E+00	1.30500E+00
2.06000E+00	1.57500E+00
2.35000E+00	1.87800E+00
2.64000E+00	2.27600E+00
2.93000E+00	2.75700E+00
3.22000E+00	3.37900E+00
3.51000E+00	4.09800E+00
4.53000E+00	8.03400E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

ZINC SULFATE IN WATER AT 50 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
50.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	5.99500E-01
4.65200E-01	6.56600E-01
6.42800E-01	7.07100E-01
8.34700E-01	7.63000E-01
1.01600E+00	8.29600E-01
1.19000E+00	8.92800E-01
1.48000E+00	1.02600E+00
1.77000E+00	1.18600E+00
2.06000E+00	1.38700E+00
2.35000E+00	1.63900E+00
2.64000E+00	1.97200E+00
2.93000E+00	2.36000E+00
3.22000E+00	2.86900E+00
3.51000E+00	3.45700E+00
4.71100E+00	7.77500E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

ZINC SULFATE IN WATER AT 55 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
55.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	5.48100E-01
4.65200E-01	5.98700E-01
6.42800E-01	6.43000E-01

8.34700E-01	6.90800E-01
1.01600E+00	7.48500E-01
1.19000E+00	8.03200E-01
1.48000E+00	9.14700E-01
1.77000E+00	1.04800E+00
2.06000E+00	1.21900E+00
2.35000E+00	1.39900E+00
2.64000E+00	1.68500E+00
2.93000E+00	2.02500E+00
3.22000E+00	2.44000E+00
3.51000E+00	2.92700E+00
4.97100E+00	7.46600E+00

ALAMELU & SURYANARAYANA. ACTA CHIM ACAD SCI HUNG 21, 333 (1959)

ZINC SULFATE IN WATER AT 60 DEGREES C

TEMP	MS	MO	NU	NU+	NU-	Z+	Z-
60.000	161.430	18.015	2.0	1.0	1.0	2.0	-2.0

MOLALITY

VISCOSITY

2.26600E-01	4.97900E-01
4.65200E-01	5.47300E-01
6.42800E-01	5.87600E-01
8.34700E-01	6.30100E-01
1.01600E+00	6.80800E-01
1.19000E+00	7.27400E-01
1.48000E+00	8.22600E-01
1.77000E+00	9.48900E-01
2.06000E+00	1.08300E+00
2.35000E+00	1.25300E+00
2.64000E+00	1.48500E+00
2.93000E+00	1.79300E+00
3.22000E+00	2.09200E+00
3.51000E+00	2.51700E+00
5.20700E+00	7.15200E+00

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