```
Experiment list contains 25 experiments for
(no ligands specified)
Metal : Ac+++
(no references specified)
(no experimental details specified)
***********************************
Br-
             HL
                 Bromide
                          CAS 10035-10-6 (19)
Bromide:
         Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
Ac+++
      dis NaClO4 27°C 1.0M U K1=-0.25 B2=-0.52 1968SMc (1716)
                                               1
Medium: HClO4
***********************************
C1-
                 Chloride
                          CAS 7647-01-0 (50)
Chloride;
_____
     Mtd Medium Temp Conc Cal Flags Lg K values
                                  Reference ExptNo
______
Ac+++ dis NaClO4 20°C 3.00M U K1=0.44 B2=0.31 1982FKb (4440)
                                               2
      dis NaClO4 25°C 4.0M U
                        K1=-0.04 B2=-1.04 1969SSa (4441)
Ac+++
                                               3
                       B3 = -1.26
-----
      dis NaClO4 27°C 1.0M U
                       K1=-0.10 B2=-0.62 1968SMc (4442)
Ac+++
Medium: HClO4
************************************
F-
                 Fluoride
                          CAS 7644-39-3 (201)
             HL
Fluoride:
______
     Mtd Medium Temp Conc Cal Flags Lg K values
-----
      oth NaClO4 25°C 0.10M U
                        K1=2.95
                                1973MSg (6694) 5
method:electromigration or transference number
______
Ac+++
      dis NaClO4 25°C 0.50M U
                        K1=2.72
                              B2=5.22 1970ALb (6695)
                                               6
                        B3=7.9
**********************************
NO3-
                Nitrate
                          CAS 7697-37-2 (288)
             HL
Nitrate;
-----
     Mtd Medium Temp Conc Cal Flags Lg K values
                                  Reference ExptNo
______
    dis NaClO4 27°C 1.0M U K1=0.12 B2=0.01 1968SMc (9565)
                                               7
********************************
                 Hydroxide
OH-
             HL
                            (57)
Hydroxide;
```

SC-Database

Software version = 5.81 Data version = 4.62

			1 emp	Conc Ca	_	Lg K valu		keteren 	ice Exi	ptNo
/C+++	oth	NaClO4	RT	0.10M C		*B3=-31.9	199	2KNa (1	10881)	8
1ethod: e	electro	omigrat:	ion. 1	Medium: 	0.10 M	NaClO4/HCl	04.			
\ C+++	dis	oth/un	25°C	0.10M U		*K1=-8.5	1969	9MGf (1	L0882)	9
Medium: L	iCl04	with t	Դis-bu	uffer						
√c+++	sol	none	?	0.0 M	I	Kso=-18.68 Kso=-20.89	196 (fresh)	5ZSa (1		10
	*****				*****	*******	*****		****	****
PO4 Phosphate	-			-		CAS 7				
	Mtd		Temp	Conc Ca	l Flags	Lg K valu	es l			
√C+++					l	K(Ac+H2L)=	1970	0RSd (1	13080)	11
/ledium: N			*****	******	*****	·********	*****	******	<****	****
SCN-										
rhiocyana	ate;			111100	yunacc	CAS 4	03-30-9	(100)		
Γhiocyana		 Medium			 l Flags	Lg K valu	 es	 Referen	-	
Thiocyana Metal Ac+++	Mtd Mtd dis	NaC104	Temp	Conc Ca	 l Flags 	Lg K valu K1=-0.75	es B2=-0.46	 Referen 1969S	SSa (14	 4798)
Thiocyana Metal Ac+++ 	Mtd Mtd dis dis	NaC104 NaC104	Temp 25°C 	5.0M U	 l Flags 	K1=-0.05	es B2=-0.46 B2=-0.09	Referen 1969S 	SSa (14 RSj (14	4798) 4798) 4799)
Thiocyana Metal Ac+++ 	Mtd Mtd dis dis	NaC104 NaC104	Temp 25°C 27°C *****	Conc Ca 5.0M U 1.0M U	1 Flags	Lg K valu K1=-0.75	es B2=-0.46 B2=-0.09 ******	 Referen 1969S 1968R *****	SSa (14 RSj (14	4798) 4798) 4799)
Thiocyana 	Mtd dis dis dis	NaCl04 NaCl04 ******	Temp 25°C 27°C *****	Conc Ca 5.0M U 1.0M U *******	 l Flags ******* te	K1=-0.05 K1=***********************************	es B2=-0.46 B2=-0.09 ********	 Referen 1969S 1968R ****** (15)	SSa (14 SSj (14 ******	4798) 4799) *****
Thiocyana Metal Ac+++ ******* 504 Sulfate; Metal	Mtd dis dis dis ******	NaClO4 ****** Medium NaClO4	Temp 25°C 27°C ***** H2L Temp 25°C	Conc Ca 5.0M U 1.0M U ****** Sulfa Conc Ca	****** te	K1=-0.75 K1=0.05 *********** CAS 7	es B2=-0.46 B2=-0.09 ******* 664-93-9 es B2=2.64	 Referen 1969S 1968R ****** (15) Referen 1970A	SSa (14 SSj (14 ****** nce Exp	4798) 4799) ***** ptNo
Thiocyana Metal Ac+++ ******* 504 Sulfate; Metal Ac+++	Mtd dis dis ****** Mtd Mtd dis Mtd dis	NaCl04 ****** Medium NaCl04 NaCl04	Temp 25°C Temp Temp 25°C	Conc Ca 5.0M U 1.0M U ****** Sulfa Conc Ca 0.50M U	1 Flags ******* te 1 Flags	K1=-0.75 K1=0.05 ******** CAS 7	B2=-0.46 B2=-0.09 ******** 664-93-9 B2=2.64 B2=2.68	Referen 1969S 1968R ****** (15) Referen 1970A	SSa (14 SSj (14 S******* ALD (19 SSa (19	4798) 4799) ***** ptNo 5963)
Thiocyana Metal Ac+++ ******* 504 Sulfate; Metal Ac+++ Ac+++	Mtd dis dis ****** Mtd dis dis dis dis	NaClO4 ****** Medium NaClO4 NaClO4 NaClO4	Temp 25°C H2L Temp 25°C 25°C	Conc Ca 5.0M U 1.0M U ******* Sulfa Conc Ca 0.50M U 1.0M U	****** te 1 Flags	K1=-0.75 K1=0.05 ******* CAS 7 Lg K value ******* ****** K1=1.75 K1=1.36 K1=1.20	es B2=-0.46 B2=-0.09 ******** 664-93-9 ES B2=2.64 B2=2.68 B2=2.68 B2=1.85	 Referen 1969S 1968R ****** (15) 1970A 1969S	SSa (14 SSj (14 S***** ALb (19 SSa (19 SSa (19 SMc (19	4798) 4799) ***** ptNo 5963) 5964)
Thiocyana Metal Ac+++ ******* 504 Sulfate; Metal Ac+++ Ac+++	Mtd dis dis ****** Mtd dis ****** dis dis ******	NaCl04 ****** Medium NaCl04 NaCl04 NaCl04 ******	Temp 25°C 27°C ***** H2L Temp 25°C 27°C ***** H2L	Conc Ca 1.0M U ******* Sulfa Conc Ca 0.50M U 1.0M U 1.0M U ******** Oxali	 1 Flags ****** te 1 Flags *******	K1=-0.75 K1=0.05 ******** CAS 7 Lg K value ******** K1=1.75	es B2=-0.46 B2=-0.09 ******** 664-93-9 es B2=2.64 B2=2.68 B2=1.85 *********		SSa (14 SSj (14 S***** ALb (19 SSa (19 SSa (19 SMc (19	4798) 4799) ***** ptNo 5963) 5964)

```
oth oth/un 25°C 0.10M U K1=4.36 B2=11.44 1972MSh (18774)
                                               17
Method: electrical migration or transferece number
-----
      dis NaClO4 25°C 0.50M U
                         K1=4.47 B2=8.00 1970ALb (18775)
                                               18
Ac+++ dis NaCl04 25°C 1.00M U K1=3.56 B2=6.16 1969SSa (18776)
                                               19
**********************************
                 Citric acid
                          CAS 77-92-9 (95)
             H3L
2-Hydroxypropane-1,2,3-tricarboxylic acid; HOOCCH2.CH(OH)(COOH).CH2COOH
______
    Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
______
     oth oth/un ? ? U
Ac+++
                      Μ
                                  1969MGf (46011) 20
                        K(AcOH+L)=4.18
                        K(AcOH+2L)=7.0
                        K(Ac(OH)2+L)=4.3
********************************
C10H16N2O8
             H4L
                 EDTA
                           CAS 60-00-4 (120)
1,2-Diaminoethane-N,N,N',N'-tetraethanoic acid, Sequestric acid;
  Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
______
Ac+++ oth oth/un ? 0.10M U
                        K1=14.2
                                  1972MSg (73566) 21
                        K(AcL+H)=2.45
Method: electrical migration or transference number
***********************
C12H12N2O2
                           CAS 4173-74-4 (4915)
1-Phenyl-3-methyl-4-acetylpyrazol-5-one;
Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
______
      dis oth/un 25°C 0.10M U
                                 1973BKc (81039) 22
                        B3=6.65
******************************
C14H902F3
                           (3429)
1,1,1-Trifluoro-1'-naphthoylacetone;
Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
______
     dis oth/un 25°C 0.10M U
                                 1969KSa (86868) 23
                       B3=14.63
*********************************
C14H22N2O8
             H4L
                 CDTA
                           CAS 482-54-2 (200)
trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraethanoic acid;
 -----
Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
______
      oth oth/un 25°C 0.10M U K1=15.7
                                 1972MSh (88571) 24
Method: electrical migration or transference number.
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C17H14N2O2
                                         CAS 4551-69-3 (698)
4-Benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-one;
______
        Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo
------
Ac+++ dis oth/un 25°C 0.10M U B2=11.58 1973BKc (95872) 25
REFERENCES
 1992KNa E Kulikov, A Novgorodov, D Schumann; Radioanal. Nucl. Chem. Lett., 164, 103
(1992)
 1982FKb T Fukusawa, I Kawasuji et al; Bull.Chem.Soc.Jpn.,55,726 (1982)
 1973BKc W Bacher, C Keller; J.Inorg.Nucl.Chem., 35, 2945 (1973)
 1973MSg T Makarova, A Stepanov, B Shestakov; Zh. Neorg. Khim., 18, 1485(E:783) (1973)
 1972MSg T Makarova, G Spitsyna, A Stepanov et al; Radiokhim., 14,4,538 (1972)
 1972MSh T Makarova, G Spitsyna et al; Radiokhim., 14,6,822 (1972)
 1970ALb A Aziz, S Lyle; J.Inorg.Nucl.Chem., 32, 1925 (1970)
 1970RSd V Rao, C Shahani, C Rao; Radiochim. Acta, 14,31 (1970)
 1969KSa C Keller, H Schreck; J.Inorg. Nucl. Chem., 31, 1121 (1969)
 1969MGf A Moutte, R Guillaumont; Rev. Chim. Minerale, 6, 603 (1969)
 1969SSa T Sekine, M Sakairi; Bull.Chem.Soc.Jpn., 42, 2712 (1969)
 1968RSj C Rao, C Shahani, K Mathew; Inorg. Nucl. Chem. Lett., 4,655 (1968)
 1968SMc C Shahani, K Mathew, C Rao, M Ramaniah; Radiochim. Acta, 10, 165 (1968)
 1965ZSa D Ziv,I Shestakova; Radiokhim.,7,175 (1965)
EXPLANATORY NOTES
  DATA Flags are :-
       M Data for TERNARY Complexes
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END