

## JESS Thermodynamic Database v8.9

## Chemical species in reactions with Potassium

24-Jan-23

Charge	CAS	Count	Molecular formula	Mol. mass
<b>[12]N3O:Acet*3-3</b> 1-Oxa-4,7,10-triazacyclododecane-N,N',N''-triacetate ion; cODTA ion; ODTA (cyclo) ion				
-3	---	53	C(14)H(22)N(3)O(7)	344.345
<b>[12]N4:Acet*4-4</b>				
-4	---	116	C(16)H(24)N(4)O(8)	400.389
<b>[12]N4:MePhos*4-8</b> 1,4,7,10-Tetraazacyclododecane-N,N',N'',N'''-tetrakis(methylenephosphonate); DOTP ion				
-8	---	49	C(12)H(24)N(4)O(12)P(4)	540.238
<b>[12]O4</b> 12-Crown-4; [12]aneO4; 1,4,7,10-Tetraoxacyclododecane				
0	294-93-9	41	C(8)H(16)O(4)	176.213
<b>[14]N2O3:MeCOO*2-2</b>				
-2	---	62	C(14)H(24)N(2)O(7)	332.354
<b>[15]N2O3</b> 1,4,10-Trioxa-7,13-diazacyclopentadecane; Kryptofix 21; Cryptand 2,1; 4,7,13-Trioxa-1,10-diazacyclopentadecane; Trioxa(2,1) cryptand				
0	31249-95-3	31	C(10)H(22)N(2)O(3)	218.296
<b>[15]N2O3:Meox*2</b> 7,13-Bis(2-methoxyethyl)-1,4,10-trioxa-7,13-diazacyclopentadecane				
0	---	6	C(16)H(34)N(2)O(5)	334.456
<b>[15]O5</b> 15-Crown-5; 1,4,7,10,13-Pentaoxacyclopentadecane; Crown ether 15-5; [15]aneO5				
0	---	35	C(10)H(20)O(5)	220.266
<b>[15]O5:Benzo</b> Benzo-15-crown-5; Benzo-1,4,7,10,13-pentaoxacyclopentadecane				

0	14098-44-3	22	C(14)H(20)O(5)	268.310
<b>[18]N2O4</b> 1,4,10,13-Tetraoxa-7,16-diazacyclooctadecane; 7,16-Diaza-1,4,10,13-tetraoxacyclooctadecane; K22; [18]aneN2O4; 4,13-Diaza-18-crown-6; Kryptofix 22; 1,7,10,16-Tetraoxa-4,13-diazacyclooctandecane !!; 1,10-Diaza-18-crown-6; Cryptand 2,2; 1,10-diaza-4,7,13,16-tetraoxacyclooctadecane				
0	23978-55-4	37	C(12)H(26)N(2)O(4)	262.349
<b>[18]N2O4:[2.2]Anthraquinone</b> Anthraquinone [2.2] cryptand				
0	---	5	C(30)H(38)N(2)O(8)	554.640
<b>[18]N2O4:2OHEt*2</b> 7,16-Bis(2-hydroxyethyl)-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane; BHE-K22; BHE-18-aneN2O4				
0	---	13	C(16)H(34)N(2)O(6)	350.456
<b>[18]N2O4:DiDec</b> 1,4,10,13-Tetraoxa-7,16-di(N-decylaza)cyclooctadecane; Cryptand 22DD				
0	---	10	C(32)H(66)N(2)O(4)	542.887
<b>[18]N2O4:MeCOO*2-2</b>				
-2	---	43	C(16)H(28)N(2)O(8)	376.407
<b>[18]N2O4:Meox*2</b> 7,16-Bis(2-methoxyethyl)-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane; BME-K22				
0	---	11	C(18)H(38)N(2)O(6)	378.510
<b>[18]N6</b> 1,4,7,10,13,16-Hexaazacyclooctadecane; [18]aneN6; 18-Azacrown-6; Hexacyclen; A6-18-Crown-6; A6-18C6; [18]azacoronared-6; 18-membered macrocyclic hexamine				
0	296-35-5	66	C(12)H(30)N(6)	258.410
<b>[18]O6</b> 18-Crown-6; 1,4,7,10,13,16-Hexaoxacyclo-octadecane; Crown ether 18-6; [18]aneO6; [K22]; 18-membered macrocyclic hexaether				
0	17455-13-9	36	C(12)H(24)O(6)	264.319
<b>[18]O6:[Hex]*2</b> Dicyclohexyl-18-crown-6; 2,5,8,15,18,21-Hexaoxatricyclo[20,4,0,0(9,14)]hexacosane				
0	---	26	C(20)H(36)O(6)	372.502

<b>[18]O6:Benzo</b> Benzo-18-crown-6; Benzo-1,4,7,10,13,16-hexaoxacyclooctadecane				
0	14098-24-9	5	C(16)H(24)O(6)	312.363
<b>[18]O6:DiBenzo</b> Dibenzo-18-crown-6; 2,3,11,12-Dibenzo-1,4,7,10,13,16-hexaoxacyclooctadeca-2,11-diene; 6,7,9,10,17,18,20,21-Octahydrodibenzo[b,k][1,4,7,10,13,16]hexaoctacyclooctadecin				
0	14187-32-7	16	C(20)H(24)O(6)	360.407
<b>[2.1.1]crypt</b> [2.1.1]crypt; 4,7,13,18-Tetraoxa-1,10-diazabicyclo[8.5.5]eicosane; Kryptofix 211; C211; 1,10-Diaza-4,7,13,18-tetraoxabicyclo[8.5.5]eicosane; Cryptand 2,1,1				
0	31250-06-3	37	C(14)H(28)N(2)O(4)	288.387
<b>[2.2.1]crypt</b> [2.2.1]cryptand; 4,7,13,16,21-Pentaoxa-1,10-diazabicyclo[8.8.5]tricosane; 1,10-Diaza-4,7,13,16,21-pentaoxabicyclo[8.8.5]tricosane; Cryptand 2,2,1				
0	31364-42-8	39	C(16)H(32)N(2)O(5)	332.441
<b>[2.2.2]crypt</b> [2.2.2]cryptand; 4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane; Kryptofix 222; Cryptand 2,2,2; 1,10-Diaza-4,7,13,16,21,24-hexaoxabicyclo[8.8.8]hexacosane				
0	23978-09-8	48	C(18)H(36)N(2)O(6)	376.494
<b>[2.2.2]crypt:56Benz</b> Cryptand 2B,2,2; Monobenzo-cryptand-2,2,2; 5,6-Benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane				
0	---	10	C(22)H(36)N(2)O(6)	424.538
<b>[2.2.2]crypt:DiBenz</b> Cryptand 2B,2B,2; Dibenzo-cryptand-2,2,2; 5,6,14,15-Dibenzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane				
0	---	10	C(26)H(36)N(2)O(6)	472.582
<b>[2.2.2]crypt:DiLactam</b> Cryptate 2,2,2 dilactam; 2,9-Oxo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane				
0	---	9	C(18)H(32)N(2)O(8)	404.461
<b>[24]O8</b> 24-Crown-8				
0	---	5	C(16)H(32)O(8)	352.425

<b>[24]O8:DiBenzo</b> Dibenzo-24-crown-8				
0	---	6	C(24)H(32)O(8)	448.513
<b>23DHB-3</b>				
-3	---	79	C(7)H(3)O(4)	151.098
<b>25DiNitrphenol-1</b> 2,5-Dinitrolphenolate ion				
-1	---	3	C(6)H(3)N(2)O(5)	183.100
<b>26DiNitrphenol-1</b> 2,6-Dinitrophenolate ion				
-1	---	6	C(6)H(3)N(2)O(5)	183.100
<b>2NitrPhenol-1</b> o-Nitrophenolate ion				
-1	---	10	C(6)H(4)N(1)O(3)	138.103
<b>2PhosGlyceric-3</b>				
-3	---	10	C(3)H(4)O(7)P(1)	183.035
<b>4NitrPhenol-1</b> p-Nitrophenolate ion				
-1	---	15	C(6)H(4)N(1)O(3)	138.103
<b>5ADP-3</b> Adenosine-5'-(trihydrogendiphosphate) ion; ADP ion				
-3	52322-03-9	111	C(10)H(12)N(5)O(10)P(2)	424.181
<b>5AMP-2</b> Adenosine-5'-monophosphate ion				
-2	6042-43-9	105	C(10)H(12)N(5)O(7)P(1)	345.209
<b>5AQP-5</b> Adenosine-5'-tetraphosphate				
-5	---	8	C(10)H(12)N(5)O(16)P(4)	582.125
<b>5ATP-4</b> Adenosine-5'-(tetrahydrogentriphosphate) ion; ATP ion; Adenosine-5'-triphosphate ion				

-4	13265-06-0	481	C(10)H(12)N(5)O(13)P(3)	503.153
<b>5BrLasalocid-1</b>				
-1	---	14	C(34)H(52)Br(1)O(8)	668.686
<b>Acetic-1</b> Acetate ion				
-1	71-50-1	558	C(2)H(3)O(2)	59.0446
<b>Al+3</b> Aluminium(III) ion; Aluminum(III) ion				
3	22537-23-1	1518	Al(1)	26.9820
<b>Al+3_K+1_Cl-1(4)_(s)</b> Potassium tetrachloroaluminate				
0	---	2	Al(1)Cl(4)K(1)	207.892
<b>Al+3_K+1_SO4-2(2)_(s)</b> Potassium aluminium disulfate, hexagonal				
0	10043-67-1	2	Al(1)K(1)O(8)S(2)	258.195
<b>Al+3_K+1_SO4-2(2)_H2O(12)_(s)</b> Potassium alum; Alum (common commercial form)				
0	---	2	Al(1)H(24)K(1)O(20)S(2)	474.379
<b>Al+3_K+1_SO4-2(2)_H2O(3)_(s)</b> Potassium aluminium sulfate 3-hydrate				
0	---	2	Al(1)H(6)K(1)O(11)S(2)	312.241
<b>Al+3_K+1(3)_Cl-1(6)_(s)</b> Tripotassium hexachloroaluminate				
0	---	2	Al(1)Cl(6)K(3)	356.994
<b>Al+3_K+1(3)_F-1(6)_(s)</b> Tripotassium hexafluoroaluminate				
0	---	2	Al(1)F(6)K(3)	258.266
<b>Al+3_OH-1(4)</b> Aluminate ion				
-1	---	43	Al(1)H(4)O(4)	95.0114

<b>Al<sub>3</sub>(OH)<sub>6</sub>(SO<sub>4</sub>)<sub>2</sub> (s)</b> Alunite; Potassium trialuminium hexahydroxide disulfate				
0	1302-91-6	3	Al (3)H (6)K (1)O (14)S (2)	414.203
<b>Al<sub>3</sub>(H<sub>2</sub>PO<sub>4</sub>)<sub>3</sub>·H<sub>2</sub>O (s)</b> K-Taranakite				
0	---	1	Al (5)H (42)K (3)O (50)P (8)	1342.30
<b>Al (s)</b> Aluminium; Aluminium, cubic				
0	7429-90-5	216	Al (1)	26.9820
<b>Al<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub> (Kaol., s)</b> Kaolinite; Dialuminium disilicon pentaoxide dihydroxide, triclinic				
0	1318-74-7	9	Al (2)H (4)O (9)Si (2)	258.161
<b>As (s)</b> Arsenic; Arsenic, rhombohedral; Arsenic, grey/gray; Arsenic, alpha				
0	7440-38-2	179	As (1)	74.9220
<b>AsF<sub>6</sub><sup>-</sup></b> Hexafluoroarsenate (V) ion				
-1	16973-45-8	1	As (1)F (6)	188.912
<b>AsO<sub>4</sub><sup>-3</sup></b> Arsenate ion				
-3	15584-04-0	238	As (1)O (4)	138.920
<b>B (s)</b> Boron; Boron, rhombohedral; Boron, beta				
0	7440-42-8	111	B (1)	10.8100
<b>Benzoylacetone-1</b>				
-1	---	122	C (10)H (9)O (2)	161.180
<b>BenzPentCOO<sup>-5</sup></b> Benzenepentacarboxylate ion				
-5	---	24	C (11)H (1)O (10)	293.123

<b>BF4-1</b> Tetrafluoroborate ion; Boron tetrafluoride				
-1	---	14	B (1) F (4)	86.8036
<b>Bi+3</b> Bismuth(III) ion				
3	23713-46-4	335	Bi (1)	208.980
<b>Bi+3_Cl-1 (6)</b>				
-3	---	14	Bi (1) Cl (6)	421.698
<b>Bi+3_K+1_Cl-1 (6)</b>				
-2	---	2	Bi (1) Cl (6) K (1)	460.796
<b>Bi+3_K+1 (2)_Cl-1 (6)</b>				
-1	---	2	Bi (1) Cl (6) K (2)	499.894
<b>Bi+3_K+1 (3)_Cl-1 (6)</b>				
0	---	2	Bi (1) Cl (6) K (3)	538.992
<b>BisTris</b> 2,2-Bis(hydroxymethyl)-2,2',2''-nitrilotriethanol; Bis(2-hydroxyethyl)iminotris(hydroxyethyl)methane; Bis-Tris; bistris; 2-(Bis(2-hydroxyethyl)amino)-2-hydroxymethyl-1,3-propanediol				
0	6976-37-0	26	C (8) H (19) N (1) O (5)	209.243
<b>Br-1</b> Bromide ion				
-1	24959-67-9	1213	Br (1)	79.9040
<b>Br-1_(g)</b>				
-1	---	8	Br (1)	79.9040
<b>Br2 (l)</b> Bromine, liquid				
0	---	285	Br (2)	159.808
<b>BrO3-1</b> Bromate ion				

-1	15541-45-4	64	Br (1) O (3)	127.902
<b>BrO4-1</b>				
-1	---	10	Br (1) O (4)	143.902
<b>Bu1234TetrCOO-4</b>				
-4	---	64	C (8) H (6) O (8)	230.131
<b>BuMalon-2</b> n-Butylmalonate ion				
-2	---	24	C (7) H (10) O (4)	158.154
<b>C (s)</b> Carbon; Graphite; Carbon, hexagonal				
0	7440-44-0	530	C (1)	12.0110
<b>Ca+2</b> Calcium(II) ion				
2	14127-61-8	2161	Ca (1)	40.0780
<b>Ca+2_K+1 (2)_SO4-2 (2)_H2O_ (s)</b> Syngenite (mono hydrate)				
0	---	2	Ca (1) H (2) K (2) O (9) S (2)	328.405
<b>Ca+2_K+1 (2)_SO4-2 (2)_H2O (6)_ (s)</b> Syngenite				
0	---	1	Ca (1) H (12) K (2) O (14) S (2)	418.481
<b>Ca+2 (2)_Mg+2_K+1 (2)_SO4-2 (4)_H2O (2)_ (s)</b> Polyhalite				
0	---	1	Ca (2) H (4) K (2) Mg (1) O (18) S (4)	602.918
<b>Ca (s)</b> Calcium; Calcium, cubic; Calcium, fcc; Calcium, alpha				
0	7440-70-2	184	Ca (1)	40.0780
<b>Cd+2</b> Cadmium(II) ion				
2	22537-48-0	3554	Cd (1)	112.410



<b>Cd+2_Br-1 (4)</b>				
-2	---	7	Br (4) Cd (1)	432.026
<b>Cd+2_K+1_Br-1 (4)</b>				
-1	---	2	Br (4) Cd (1) K (1)	471.124
<b>Cd+2_K+1_NO3-1 (3)</b>				
0	---	2	Cd (1) K (1) N (3) O (9)	337.523
<b>Cd+2_K+1_NO3-1 (4)</b>				
-1	---	2	Cd (1) K (1) N (4) O (12)	399.528
<b>Cd+2_NO3-1 (3)</b>				
-1	---	5	Cd (1) N (3) O (9)	298.425
<b>Cd+2_NO3-1 (4)</b>				
-2	---	4	Cd (1) N (4) O (12)	360.430
<b>CDTA-4</b> trans-1,2-cyclohexylenedinitrilotetraacetate ion; trans-1,2-diaminocyclohexanetetraacetate ion; CDTA ion				
-4	22005-54-5	301	C (14) H (18) N (2) O (8)	342.306
<b>Ce+3</b> Cerium(III) ion				
3	18923-26-7	627	Ce (1)	140.120
<b>Ce+3_K+1 (2)_NO3-1 (5)_H2O (2)_(s)</b>				
0	---	2	Ce (1) H (4) K (2) N (5) O (17)	564.371
<b>Ce (s)</b> Cerium; Cerium, fcc; Cerium, alpha				
0	7440-45-1	31	Ce (1)	140.120
<b>Citric-3</b> Citrate ion				
-3	126-44-3	1347	C (6) H (5) O (7)	189.102

<b>Cl-1</b> Chloride ion				
-1	16887-00-6	2242	Cl (1)	35.4530
<b>Cl-1_(g)</b>				
-1	---	8	Cl (1)	35.4530
<b>Cl2 (g)</b> Chlorine gas				
0	7782-50-5	589	Cl (2)	70.9060
<b>ClO-1</b> Hypochlorite ion				
-1	14380-61-1	33	Cl (1) O (1)	51.4524
<b>ClO3-1</b> Chlorate ion				
-1	14866-68-3	63	Cl (1) O (3)	83.4512
<b>ClO4</b> Chlorine tetroxide				
0	12133-63-0	13	Cl (1) O (4)	99.4506
<b>ClO4-1</b> Perchlorate ion				
-1	14797-73-0	114	Cl (1) O (4)	99.4506
<b>CN-1</b> Cyanide ion				
-1	57-12-5	658	C (1) N (1)	26.0177
<b>CO3-2</b> Carbonate ion				
-2	3812-32-6	1435	C (1) O (3)	60.0092
<b>Cr (s)</b> Chromium; Chromium, bcc				
0	7440-47-3	69	Cr (1)	51.9960

<b>Cr2O7-2</b> Dichromate ion				
-2	13907-47-6	22	Cr(2)O(7)	215.988
<b>CrO4-2</b> Chromate ion				
-2	11104-59-9	127	Cr(1)O(4)	115.994
<b>Cu+2</b> Copper(II) ion; Cupric ion				
2	15158-11-9	9346	Cu(1)	63.5460
<b>Cu+2_H+1(4)_K+1(2)_CO3-2(4)_(s)</b>				
0	---	1	C(4)H(4)Cu(1)K(2)O(12)	385.811
<b>Cu(s)</b> Copper; Copper, cubic				
0	7440-50-8	254	Cu(1)	63.5460
<b>Di2PrMalon-2</b>				
-2	---	5	C(9)H(14)O(4)	186.208
<b>DiBenzoylmethane-1</b>				
-1	---	69	C(15)H(11)O(2)	223.251
<b>DiEtMalon-2</b> Diethylmalonate ion				
-2	---	57	C(7)H(10)O(4)	158.154
<b>Diglycol-2</b> Diglycolate ion				
-2	---	130	C(4)H(4)O(5)	132.073
<b>Dimedone-1</b>				
-1	---	14	C(8)H(11)O(2)	139.174
<b>dlBDTA-4</b> DL-2,3-Butylenedinitrilotetraacetate ion; DL-1,2-Dimethylethylenedinitrilotetraacetate ion; dlBDTA anion				

-4	---	48	C (12) H (16) N (2) O (8)	316.268
<b>DTPA-5</b> Diethylenetrinitrilotetraacetate ion; 1,4,7-triazaheptane-1,1,7,7-pentaacetate ion; N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinate ion; DTPA ion				
-5	---	343	C (14) H (18) N (3) O (10)	388.311
<b>e-1</b> Electron				
-1	---	3399	E (1)	0.000000
<b>EDTA-4</b> Ethylenediaminetetraacetate anion				
-4	---	1457	C (10) H (12) N (2) O (8)	288.214
<b>Et11DiPhos-4</b> Ethane-1,1-diphosphonate ion; 1,1-Ethylenediphosphonic acid				
-4	---	16	C (2) H (4) O (6) P (2)	185.998
<b>F-1</b> Fluoride ion				
-1	16984-48-8	1090	F (1)	18.9984
<b>F-1_(g)</b>				
-1	---	7	F (1)	18.9984
<b>F2 (g)</b> Fluorine gas				
0	7782-41-4	259	F (2)	37.9968
<b>Fe+2</b> Iron(II) ion; Ferrous ion				
2	15438-31-0	1769	Fe (1)	55.8452
<b>Fe+2_CN-1(6)</b> Ferrocyanide ion				
-4	---	100	C (6) Fe (1) N (6)	211.951
<b>Fe+2_Cu+1(2)_K+1(2)_CN-1(6)_(s)</b>				
0	---	1	C (6) Cu (2) Fe (1) K (2) N (6)	417.239

<b>Fe+2_K+1_CN-1(6)</b>				
-3	---	1	C(6)Fe(1)K(1)N(6)	251.049
<b>Fe+2(2)_Zn+2(3)_K+1(2)_CN-1(12)_(s)</b>				
0	---	1	C(12)Fe(2)K(2)N(12)Zn(3)	698.245
<b>Fe+3</b> Iron(III) ion; Ferric ion				
3	20074-52-6	2512	Fe(1)	55.8452
<b>Fe+3_CN-1(6)</b> Hexacyanoferrate(III) ion; Ferricyanide ion				
-3	---	29	C(6)Fe(1)N(6)	211.951
<b>Fe+3_Fe+2_K+1_CN-1(6)_(s)</b>				
0	---	1	C(6)Fe(2)K(1)N(6)	306.895
<b>Fe+3_K+1_CN-1(6)</b>				
-2	---	1	C(6)Fe(1)K(1)N(6)	251.049
<b>Fe+3(3)_K+1_OH-1(6)_CrO4-2(2)_(s)</b>				
0	---	2	Cr(2)Fe(3)H(6)K(1)O(14)	540.665
<b>Fe+3(3)_K+1_OH-1(6)_SO4-2(2)_(s)</b> K-Jarosite; Jarosite				
0	12207-14-6	3	Fe(3)H(6)K(1)O(14)S(2)	500.793
<b>Fe(s)</b> Iron; Iron, cubic; Iron, bcc				
0	7439-89-6	184	Fe(1)	55.8452
<b>Fe3KH8(PO4)6.6H2O(s)</b>				
0	---	1	Fe(3)H(20)K(1)O(30)P(6)	892.618
<b>Formic-1</b> Formate ion				
-1	71-47-6	176	C(1)H(1)O(2)	45.0177

<b>Gly-1</b> Glycinate ion; Aminoacetate ion				
-1	---	1356	C(2)H(4)N(1)O(2)	74.0593
<b>H+1</b> Hydrogen ion; Proton				
1	12408-02-5	31679	H(1)	1.00794
<b>H+1_5ATP-4</b>				
-3	---	42	C(10)H(13)N(5)O(13)P(3)	504.161
<b>H+1_Bu1234TetrCOO-4</b> Butane-1,2,3,4-tetracarboxylic acid; 1,2,3,4-Butanetetracarboxylic acid				
-3	1703-58-8	4	C(8)H(7)O(8)	231.139
<b>H+1_CDTA-4</b>				
-3	---	39	C(14)H(19)N(2)O(8)	343.313
<b>H+1_CO3-2</b>				
-1	---	253	C(1)H(1)O(3)	61.0171
<b>H+1_EDTA-4</b>				
-3	---	70	C(10)H(13)N(2)O(8)	289.222
<b>H+1_Et11DiPhos-4</b>				
-3	---	8	C(2)H(5)O(6)P(2)	187.006
<b>H+1_HPO3-2</b>				
-1	---	16	H(2)O(3)P(1)	80.9881
<b>H+1_K+1_[12]N4:MePhos*4-8</b>				
-6	---	1	C(12)H(25)K(1)N(4)O(12)P(4)	580.344
<b>H+1_K+1_5ATP-4</b>				
-2	---	2	C(10)H(13)K(1)N(5)O(13)P(3)	543.259
<b>H+1_K+1_AsO4-3</b>				

-1	---	1	As (1)H (1)K (1)O (4)	179.026
<b>H+1_K+1_BenzPentCOO-5</b>				
-3	---	1	C (11)H (2)K (1)O (10)	333.229
<b>H+1_K+1_Bu1234TetrCOO-4</b>				
-2	---	3	C (8)H (7)K (1)O (8)	270.237
<b>H+1_K+1_CDTA-4</b>				
-2	---	1	C (14)H (19)K (1)N (2)O (8)	382.412
<b>H+1_K+1_Citric-3</b>				
-1	---	1	C (6)H (6)K (1)O (7)	229.207
<b>H+1_K+1_CO3-2</b>				
0	---	2	C (1)H (1)K (1)O (3)	100.115
<b>H+1_K+1_CO3-2_(s)</b> Potassium bicarbonate; Potassium bicarbonate, monoclinic; Kalicinite				
0	298-14-6	2	C (1)H (1)K (1)O (3)	100.115
<b>H+1_K+1_Diglycol-2</b>				
0	---	1	C (4)H (5)K (1)O (5)	172.179
<b>H+1_K+1_EDTA-4</b>				
-2	---	4	C (10)H (13)K (1)N (2)O (8)	328.320
<b>H+1_K+1_Et11DiPhos-4</b>				
-2	---	1	C (2)H (5)K (1)O (6)P (2)	226.104
<b>H+1_K+1_Gly-1</b>				
1	---	1	C (2)H (5)K (1)N (1)O (2)	114.165
<b>H+1_K+1_HPO3-2</b>				
0	---	2	H (2)K (1)O (3)P (1)	120.086
<b>H+1_K+1_Maleic-2</b>				

0	---	1	C(4)H(3)K(1)O(4)	154.163
<b>H+1_K+1_Malic-2</b>				
0	---	1	C(4)H(5)K(1)O(5)	172.179
<b>H+1_K+1_Malonic-2</b>				
0	---	1	C(3)H(3)K(1)O(4)	142.152
<b>H+1_K+1_MeDiPhos-4</b>				
-2	---	1	C(1)H(3)K(1)O(6)P(2)	212.077
<b>H+1_K+1_NTA-3</b>				
-1	---	1	C(6)H(7)K(1)N(1)O(6)	228.223
<b>H+1_K+1_OHEtDiPhos-4</b>				
-2	---	1	C(2)H(5)K(1)O(7)P(2)	242.104
<b>H+1_K+1_P2O7-4</b>				
-2	---	2	H(1)K(1)O(7)P(2)	214.050
<b>H+1_K+1_P3O10-5</b>				
-3	---	2	H(1)K(1)O(10)P(3)	293.022
<b>H+1_K+1_P3O8-5</b>				
-3	---	1	H(1)K(1)O(8)P(3)	261.023
<b>H+1_K+1_P4O13-6</b>				
-4	---	1	H(1)K(1)O(13)P(4)	371.994
<b>H+1_K+1_Phthalic-2</b>				
0	---	1	C(8)H(5)K(1)O(4)	204.223
<b>H+1_K+1_PO4-3</b>				
-1	---	2	H(1)K(1)O(4)P(1)	135.078
<b>H+1_K+1_Pr22DiPhos-4</b>				
-2	---	1	C(3)H(7)K(1)O(6)P(2)	240.131



<b>H+1_K+1_Salicylic-2</b>				
0	---	2	C(7)H(5)K(1)O(3)	176.213
<b>H+1_K+1_Se-2</b>				
0	---	1	H(1)K(1)Se(1)	119.069
<b>H+1_K+1_SeO4-2</b>				
0	---	2	H(1)K(1)O(4)Se(1)	183.067
<b>H+1_K+1_SO4-2</b> Potassium bisulphate				
0	---	3	H(1)K(1)O(4)S(1)	136.164
<b>H+1_K+1_SO4-2_(s)</b> Mercurallite				
0	7646-93-7	2	H(1)K(1)O(4)S(1)	136.164
<b>H+1_K+1_Succinic-2</b>				
0	---	1	C(4)H(5)K(1)O(4)	156.179
<b>H+1_K+1_Tartaric-2</b>				
0	---	1	C(4)H(5)K(1)O(6)	188.178
<b>H+1_K+1_ThioDiAcet-2</b>				
0	---	1	C(4)H(5)K(1)O(4)S(1)	188.239
<b>H+1_K+1_V10O28-6</b>				
-4	---	1	H(1)K(1)O(28)V(10)	997.509
<b>H+1_K+1_VO4-3</b>				
-1	---	1	H(1)K(1)O(4)V(1)	155.046
<b>H+1_K+1(2)_BenzPentCOO-5</b>				
-2	---	1	C(11)H(2)K(2)O(10)	372.327
<b>H+1_K+1(2)_Bu1234TetrCOO-4</b>				
-1	---	2	C(8)H(7)K(2)O(8)	309.335

<b>H+1_K+1(2)_P2O7-4</b>				
-1	---	1	H(1)K(2)O(7)P(2)	253.148
<b>H+1_K+1(2)_P3O10-5</b>				
-2	---	1	H(1)K(2)O(10)P(3)	332.120
<b>H+1_K+1(2)_PO4-3</b>				
0	---	2	H(1)K(2)O(4)P(1)	174.176
<b>H+1_K+1(2)_PO4-3(s)</b> Dipotassium hydrogen phosphate; Potassium phosphate dibasic				
0	7758-11-4	2	H(1)K(2)O(4)P(1)	174.176
<b>H+1_K+1(2)_Se-2</b>				
1	---	1	H(1)K(2)Se(1)	158.167
<b>H+1_K+1(3)_SO4-2(2)(s)</b> Sesquipotassium sulfate				
0	---	2	H(1)K(3)O(8)S(2)	310.417
<b>H+1_MeDiPhos-4</b>				
-3	---	33	C(1)H(3)O(6)P(2)	172.979
<b>H+1_OHEtDiPhos-4</b>				
-3	---	22	C(2)H(5)O(7)P(2)	203.006
<b>H+1_P2O7-4</b>				
-3	42499-21-8	20	H(1)O(7)P(2)	174.952
<b>H+1_P3O10-5</b>				
-4	---	56	H(1)O(10)P(3)	253.924
<b>H+1_P4O13-6</b>				
-5	---	10	H(1)O(13)P(4)	332.896
<b>H+1_PO4-3</b> Hydrogenphosphate ion				

-2	---	317	H(1)O(4)P(1)	95.9795
<b>H+1_Pr22DiPhos-4</b>				
-3	---	8	C(3)H(7)O(6)P(2)	201.033
<b>H+1_Salicylic-2</b>				
-1	---	111	C(7)H(5)O(3)	137.115
<b>H+1_Se-2</b>				
-1	---	54	H(1)Se(1)	79.9709
<b>H+1_SeO4-2</b> Hydrogenselenate				
-1	---	14	H(1)O(4)Se(1)	143.969
<b>H+1_SO4-2</b> Hydrogensulfate ion				
-1	---	83	H(1)O(4)S(1)	97.0655
<b>H+1_Tartaric-2</b>				
-1	---	39	C(4)H(5)O(6)	149.080
<b>H+1_V10O28-6</b>				
-5	---	11	H(1)O(28)V(10)	958.411
<b>H+1_VO4-3</b>				
-2	---	27	H(1)O(4)V(1)	115.948
<b>H+1(2)_Bu1234TetrCOO-4</b>				
-2	---	5	C(8)H(8)O(8)	232.147
<b>H+1(2)_K+1_[12]N4:MePhos*4-8</b>				
-5	---	1	C(12)H(26)K(1)N(4)O(12)P(4)	581.352
<b>H+1(2)_K+1_AsO4-3</b>				
0	---	1	As(1)H(2)K(1)O(4)	180.034

<b>H+1(2)_K+1_AsO4-3_(s)</b> Potassium dihydrogen arsenate				
0	---	2	As(1)H(2)K(1)O(4)	180.034
<b>H+1(2)_K+1_BenzPentCOO-5</b>				
-2	---	1	C(11)H(3)K(1)O(10)	334.237
<b>H+1(2)_K+1_Bu1234TetrCOO-4</b>				
-1	---	2	C(8)H(8)K(1)O(8)	271.245
<b>H+1(2)_K+1_EDTA-4</b>				
-1	---	2	C(10)H(14)K(1)N(2)O(8)	329.328
<b>H+1(2)_K+1_His-1</b>				
2	---	1	C(6)H(10)K(1)N(3)O(2)	195.262
<b>H+1(2)_K+1_MeEDTA-4</b>				
-1	---	1	C(11)H(16)K(1)N(2)O(8)	343.355
<b>H+1(2)_K+1_P2O7-4</b>				
-1	---	1	H(2)K(1)O(7)P(2)	215.058
<b>H+1(2)_K+1_P3O10-5</b>				
-2	---	1	H(2)K(1)O(10)P(3)	294.030
<b>H+1(2)_K+1_PO4-3</b>				
0	---	3	H(2)K(1)O(4)P(1)	136.086
<b>H+1(2)_K+1_PO4-3_(s)</b> Potassium dihydrogen phosphate; Potassium phosphate monobasic				
0	7778-77-0	3	H(2)K(1)O(4)P(1)	136.086
<b>H+1(2)_K+1(2)_P3O10-5</b>				
-1	---	1	H(2)K(2)O(10)P(3)	333.128
<b>H+1(2)_MeEDTA-4</b>				
-2	---	4	C(11)H(16)N(2)O(8)	304.257

<b>H+1 (2) _PO4-3</b> Dihydrogenphospate ion				
-1	14066-20-7	284	H(2)O(4)P(1)	96.9875
<b>H+1 (2) _SiH2O4-2</b> Silicic acid				
0	1343-98-2	184	H(4)O(4)Si(1)	96.1149
<b>H+1 (3) _Bu1234TetrCOO-4</b>				
-1	---	5	C(8)H(9)O(8)	233.155
<b>H+1 (3) _K+1 _[12]N4:MePhos*4-8</b>				
-4	---	1	C(12)H(27)K(1)N(4)O(12)P(4)	582.360
<b>H+1 (3) _K+1 _BenzPentCOO-5</b>				
-1	---	1	C(11)H(4)K(1)O(10)	335.245
<b>H+1 (3) _K+1 _Bu1234TetrCOO-4</b>				
0	---	2	C(8)H(9)K(1)O(8)	272.253
<b>H+1 (3) _K+1 _P3O10-5</b>				
-1	---	1	H(3)K(1)O(10)P(3)	295.038
<b>H+1 (4) _IO6-5</b>				
-1	---	4	H(4)I(1)O(6)	226.928
<b>H+1 (4) _K+1 _[12]N4:MePhos*4-8</b>				
-3	---	1	C(12)H(28)K(1)N(4)O(12)P(4)	583.368
<b>H+1 (4) _K+1 _BenzPentCOO-5</b>				
0	---	1	C(11)H(5)K(1)O(10)	336.253
<b>H+1 (4) _K+1 _IO6-5_(s)</b> Potassium periodate				
0	7790-21-8	1	H(4)I(1)K(1)O(6)	266.026
<b>H+1 (4) _K+1 (8) _CO3-2 (6) _H2O (3)_(s)</b> Potassium sesquicarbonate				

0	---	1	C(6)H(10)K(8)O(21)	730.917
<b>H+1(6)_K+1(8)_SO4-2(7)_(s)</b>				
0	---	1	H(6)K(8)O(28)S(7)	991.235
<b>H2(g)</b> Hydrogen gas; Hydrogen				
0	1333-74-0	1564	H(2)	2.01588
<b>H2O</b> Water				
0	7732-18-5	5947	H(2)O(1)	18.0153
<b>Hexaglyme</b> Hexaglyme; 2,5,8,11,14,17,20-Heptaioxaheneicosane; Hexaethyleneglycol dimethyl ether; Dimethoxyhexaethyleneglycol				
0	---	9	C(14)H(30)O(7)	310.388
<b>His-1</b> Histidinate ion; L-Histidinate ion; alpha-amino-4-imidazolepropionate ion; glyoxaline-5-alanate ion; L-2-amino-3-(4-imidazolyl)propanoate ion				
-1	26302-81-8	1164	C(6)H(8)N(3)O(2)	154.148
<b>HPO3-2</b> Hydrogen phosphite ion; Phosphite ion				
-2	15477-76-6	42	H(1)O(3)P(1)	79.9801
<b>I-1</b> Iodide ion				
-1	20461-54-5	894	I(1)	126.900
<b>I-1_(g)</b>				
-1	---	7	I(1)	126.900
<b>I2(s)</b> Iodine; Iodine, orthorhombic				
0	7553-56-2	244	I(2)	253.800
<b>I2Cl-1</b>				
-1	---	5	Cl(1)I(2)	289.253

<b>Illite(s)</b> Illite; Illite, monoclinic				
0	---	2	Al(2.7)H(2)K(0.7)O(12)Si(3.3)	386.911
<b>IO3-1</b> Iodate ion				
-1	15454-31-6	291	I(1)O(3)	174.898
<b>IO4-1</b> Periodate ion (unhydrated)				
-1	---	19	I(1)O(4)	190.898
<b>Ir+3_Cl-1(6)</b>				
-3	---	8	Cl(6)Ir(1)	404.938
<b>Ir+3_K+1_Cl-1(6)</b>				
-2	---	1	Cl(6)Ir(1)K(1)	444.036
<b>K+1</b> Potassium(I) ion				
1	24203-36-9	462	K(1)	39.0980
<b>K+1_(g)</b>				
1	---	5	K(1)	39.0980
<b>K+1_[12]N3O:Acet*3-3</b>				
-2	---	1	C(14)H(22)K(1)N(3)O(7)	383.443
<b>K+1_[12]N4:Acet*4-4</b>				
-3	---	1	C(16)H(24)K(1)N(4)O(8)	439.487
<b>K+1_[12]O4</b>				
1	---	2	C(8)H(16)K(1)O(4)	215.311
<b>K+1_[12]O4(2)</b>				
1	---	2	C(16)H(32)K(1)O(8)	391.523
<b>K+1_[14]N2O3:MeCOO*2-2</b>				

-1	---	1	C(14)H(24)K(1)N(2)O(7)	371.452
<b>K+1_[15]N2O3</b>				
1	---	1	C(10)H(22)K(1)N(2)O(3)	257.394
<b>K+1_[15]N2O3:Meox*2</b>				
1	---	1	C(16)H(34)K(1)N(2)O(5)	373.554
<b>K+1_[15]O5</b>				
1	---	2	C(10)H(20)K(1)O(5)	259.364
<b>K+1_[15]O5:Benzo</b>				
1	---	2	C(14)H(20)K(1)O(5)	307.408
<b>K+1_[15]O5:Benzo(2)</b>				
1	---	1	C(28)H(40)K(1)O(10)	575.718
<b>K+1_[15]O5(2)</b>				
1	---	1	C(20)H(40)K(1)O(10)	479.630
<b>K+1_[18]N2O4</b>				
1	---	1	C(12)H(26)K(1)N(2)O(4)	301.447
<b>K+1_[18]N2O4:[2.2]Anthraquinone</b>				
1	---	1	C(30)H(38)K(1)N(2)O(8)	593.738
<b>K+1_[18]N2O4:2OHEt*2</b>				
1	---	1	C(16)H(34)K(1)N(2)O(6)	389.554
<b>K+1_[18]N2O4:DiDec</b>				
1	---	1	C(32)H(66)K(1)N(2)O(4)	581.985
<b>K+1_[18]N2O4:MeCOO*2-2</b>				
-1	---	1	C(16)H(28)K(1)N(2)O(8)	415.505
<b>K+1_[18]N2O4:Meox*2</b>				
1	---	1	C(18)H(38)K(1)N(2)O(6)	417.608



<b>K+1_[18]N6</b>				
1	---	1	C(12)H(30)K(1)N(6)	297.508
<b>K+1_[18]O6</b>				
1	---	1	C(12)H(24)K(1)O(6)	303.417
<b>K+1_[18]O6:[Hex]*2</b>				
1	---	4	C(20)H(36)K(1)O(6)	411.600
<b>K+1_[18]O6:[Hex]*2_25DiNitrphenol-1</b>				
0	---	2	C(26)H(39)K(1)N(2)O(11)	594.700
<b>K+1_[18]O6:[Hex]*2_26DiNitrphenol-1</b>				
0	---	2	C(26)H(39)K(1)N(2)O(11)	594.700
<b>K+1_[18]O6:[Hex]*2_Picric-1</b>				
0	---	2	C(26)H(38)K(1)N(3)O(13)	639.698
<b>K+1_[18]O6:Benzo</b>				
1	---	1	C(16)H(24)K(1)O(6)	351.461
<b>K+1_[18]O6:DiBenzo</b>				
1	---	1	C(20)H(24)K(1)O(6)	399.505
<b>K+1_[2.1.1]crypt</b>				
1	---	2	C(14)H(28)K(1)N(2)O(4)	327.485
<b>K+1_[2.1.1]crypt(2)</b>				
1	---	1	C(28)H(56)K(1)N(4)O(8)	615.873
<b>K+1_[2.2.1]crypt</b>				
1	---	1	C(16)H(32)K(1)N(2)O(5)	371.539
<b>K+1_[2.2.2]crypt</b>				
1	32611-95-3	1	C(18)H(36)K(1)N(2)O(6)	415.592

<b>K+1_[2.2.2]crypt:56Benz</b>				
1	---	1	C(22)H(36)K(1)N(2)O(6)	463.636
<b>K+1_[2.2.2]crypt:DiBenz</b>				
1	---	1	C(26)H(36)K(1)N(2)O(6)	511.680
<b>K+1_[2.2.2]crypt:DiLactam</b>				
1	---	1	C(18)H(32)K(1)N(2)O(8)	443.559
<b>K+1_[24]O8</b>				
1	---	1	C(16)H(32)K(1)O(8)	391.523
<b>K+1_[24]O8:DiBenzo</b>				
1	---	1	C(24)H(32)K(1)O(8)	487.611
<b>K+1_23DHB-3</b>				
-2	---	1	C(7)H(3)K(1)O(4)	190.196
<b>K+1_24DiNitrphenol-1</b>				
0	---	1	C(6)H(3)K(1)N(2)O(5)	222.198
<b>K+1_2NitrPhenol-1</b>				
0	---	1	C(6)H(4)K(1)N(1)O(3)	177.201
<b>K+1_2PhosGlyceric-3</b>				
-2	---	1	C(3)H(4)K(1)O(7)P(1)	222.133
<b>K+1_4NitrPhenol-1</b>				
0	---	1	C(6)H(4)K(1)N(1)O(3)	177.201
<b>K+1_5ADP-3</b>				
-2	---	1	C(10)H(12)K(1)N(5)O(10)P(2)	463.279
<b>K+1_5AMP-2</b>				
-1	---	1	C(10)H(12)K(1)N(5)O(7)P(1)	384.307

<b>K+1_5AQP-5</b>				
-4	---	1	C(10)H(12)K(1)N(5)O(16)P(4)	621.223
<b>K+1_5ATP-4</b>				
-3	---	2	C(10)H(12)K(1)N(5)O(13)P(3)	542.251
<b>K+1_5ATP-4(2)</b>				
-7	---	1	C(20)H(24)K(1)N(10)O(26)P(6)	1045.40
<b>K+1_5BrLasalocid-1</b>				
0	---	1	C(34)H(52)Br(1)K(1)O(8)	707.784
<b>K+1_Acetic-1</b>				
0	---	2	C(2)H(3)K(1)O(2)	98.1426
<b>K+1_Acetic-1(2)</b>				
-1	---	2	C(4)H(6)K(1)O(4)	157.187
<b>K+1_AsF6-1</b>				
0	---	1	As(1)F(6)K(1)	228.010
<b>K+1_AsO4-3</b>				
-2	---	1	As(1)K(1)O(4)	178.018
<b>K+1_Benzoylacetone-1</b>				
0	---	1	C(10)H(9)K(1)O(2)	200.278
<b>K+1_BenzPentCOO-5</b>				
-4	---	1	C(11)H(1)K(1)O(10)	332.221
<b>K+1_BF4-1</b>				
0	---	1	B(1)F(4)K(1)	125.902
<b>K+1_BH4-1(s)</b> Potassium borohydride; Potassium tetrahydroborate				
0	13762-51-1	1	B(1)H(4)K(1)	53.9398

<b>K+1_BisTris</b>				
1	---	1	C(8)H(19)K(1)N(1)O(5)	248.341
<b>K+1_Br-1</b>				
0	---	2	Br(1)K(1)	119.002
<b>K+1_Br-1_(s)</b> Potassium bromide; Potassium bromide, cubic				
0	7758-02-3	2	Br(1)K(1)	119.002
<b>K+1_BrO3-1</b>				
0	---	1	Br(1)K(1)O(3)	167.000
<b>K+1_BrO3-1_(s)</b> Potassium bromate				
0	---	2	Br(1)K(1)O(3)	167.000
<b>K+1_BrO4-1_(s)</b>				
0	---	2	Br(1)K(1)O(4)	183.000
<b>K+1_Bu1234TetrCOO-4</b>				
-3	---	2	C(8)H(6)K(1)O(8)	269.229
<b>K+1_BuMalon-2</b>				
-1	---	1	C(7)H(10)K(1)O(4)	197.252
<b>K+1_CDTA-4</b>				
-3	---	1	C(14)H(18)K(1)N(2)O(8)	381.404
<b>K+1_Citric-3</b>				
-2	---	1	C(6)H(5)K(1)O(7)	228.200
<b>K+1_Cl-1</b>				
0	---	2	Cl(1)K(1)	74.5510
<b>K+1_Cl-1_(s)</b> Potassium chloride; Potassium monochloride, cubic; Sylvite				

0	7447-40-7	2	Cl (1)K (1)	74.5510
<b>K+1_ClO-1</b>				
0	---	2	Cl (1)K (1)O (1)	90.5504
<b>K+1_ClO3-1</b>				
0	---	1	Cl (1)K (1)O (3)	122.549
<b>K+1_ClO3-1_(s)</b> Potassium chlorate				
0	---	2	Cl (1)K (1)O (3)	122.549
<b>K+1_ClO4</b>				
1	---	1	Cl (1)K (1)O (4)	138.549
<b>K+1_ClO4-1</b>				
0	---	1	Cl (1)K (1)O (4)	138.549
<b>K+1_ClO4-1_(s)</b>				
0	---	2	Cl (1)K (1)O (4)	138.549
<b>K+1_CN-1_(g)</b> Potassium cyanide gas				
0	---	2	C (1)K (1)N (1)	65.1157
<b>K+1_CN-1_(l)</b>				
0	---	2	C (1)K (1)N (1)	65.1157
<b>K+1_CN-1_(s)</b> Potassium cyanide				
0	151-50-8	2	C (1)K (1)N (1)	65.1157
<b>K+1_CO3-2</b>				
-1	---	1	C (1)K (1)O (3)	99.1072
<b>K+1_Cr2O7-2</b>				
-1	---	1	Cr (2)K (1)O (7)	255.086

<b>K+1_CrO4-2</b>				
-1	---	1	Cr(1)K(1)O(4)	155.092
<b>K+1_Di2PrMalon-2</b>				
-1	---	1	C(9)H(14)K(1)O(4)	225.306
<b>K+1_DiBenzoylmethane-1</b>				
0	---	1	C(15)H(11)K(1)O(2)	262.349
<b>K+1_DiEtMalon-2</b>				
-1	---	1	C(7)H(10)K(1)O(4)	197.252
<b>K+1_Diglycol-2</b>				
-1	---	1	C(4)H(4)K(1)O(5)	171.171
<b>K+1_Dimedone-1</b>				
0	---	1	C(8)H(11)K(1)O(2)	178.272
<b>K+1_d1BDTA-4</b>				
-3	---	1	C(12)H(16)K(1)N(2)O(8)	355.366
<b>K+1_DTPA-5</b>				
-4	---	1	C(14)H(18)K(1)N(3)O(10)	427.409
<b>K+1_EDTA-4</b>				
-3	---	2	C(10)H(12)K(1)N(2)O(8)	327.312
<b>K+1_Et11DiPhos-4</b>				
-3	---	1	C(2)H(4)K(1)O(6)P(2)	225.096
<b>K+1_F-1</b>				
0	---	1	F(1)K(1)	58.0964
<b>K+1_F-1_(s)</b> Potassium fluoride				
0	7789-23-3	2	F(1)K(1)	58.0964

<b>K+1_F-1_H2O_(s)</b>				
0	---	2	F(1)H(2)K(1)O(1)	76.1117
<b>K+1_F-1_H2O(2)_(s)</b> Potassium fluoride dihydrate				
0	13455-21-5	2	F(1)H(4)K(1)O(2)	94.1270
<b>K+1_F-1_H2O(4)_(s)</b> Potassium fluoride tetrahydrate				
0	34341-58-7	1	F(1)H(8)K(1)O(4)	130.158
<b>K+1_Formic-1</b>				
0	---	1	C(1)H(1)K(1)O(2)	84.1157
<b>K+1_Hexaglyme</b>				
1	---	1	C(14)H(30)K(1)O(7)	349.486
<b>K+1_HPO3-2</b>				
-1	---	1	H(1)K(1)O(3)P(1)	119.078
<b>K+1_I-1</b>				
0	---	2	I(1)K(1)	165.998
<b>K+1_I-1_(s)</b> Potassium iodide				
0	7681-11-0	2	I(1)K(1)	165.998
<b>K+1_I-1(2)</b>				
-1	---	1	I(2)K(1)	292.898
<b>K+1_I-1(3)</b>				
-2	---	1	I(3)K(1)	419.798
<b>K+1_I-1(4)</b>				
-3	---	1	I(4)K(1)	546.698
<b>K+1_I-1(5)</b>				

-4	---	1	I (5)K (1)	673.598
K+1_I-1 (6)				
-5	---	1	I (6)K (1)	800.498
K+1_I2Cl-1				
0	---	2	Cl (1)I (2)K (1)	328.351
K+1_IO3-1				
0	---	1	I (1)K (1)O (3)	213.996
K+1_IO3-1_(s)				
0	---	1	I (1)K (1)O (3)	213.996
K+1_IO3-1 (2)				
-1	---	1	I (2)K (1)O (6)	388.894
K+1_IO3-1 (3)				
-2	---	1	I (3)K (1)O (9)	563.793
K+1_IO4-1				
0	---	1	I (1)K (1)O (4)	229.996
K+1_IO4-1_(s)				
0	---	2	I (1)K (1)O (4)	229.996
K+1_Lasalocid-1				
0	---	1	C (34)H (53)K (1)O (8)	628.888
K+1_Maleic-2				
-1	---	1	C (4)H (2)K (1)O (4)	153.156
K+1_Malic-2				
-1	---	1	C (4)H (4)K (1)O (5)	171.171
K+1_Malonic-2				
-1	---	1	C (3)H (2)K (1)O (4)	141.145



<b>K+1_MeDiPhos-4</b>				
-3	---	1	C(1)H(2)K(1)O(6)P(2)	211.069
<b>K+1_MeEDTA-4</b>				
-3	---	1	C(11)H(14)K(1)N(2)O(8)	341.339
<b>K+1_MnO4-1_(s)</b> Potassium permanganate				
0	7722-64-7	2	K(1)Mn(1)O(4)	158.034
<b>K+1_Monensin-1</b>				
0	---	1	C(36)H(61)K(1)O(11)	708.972
<b>K+1_Na+1_CO3-2_H2O(6)_(s)</b> Potassium sodium carbonate hexahydrate				
0	10424-09-6	2	C(1)H(12)K(1)Na(1)O(9)	230.189
<b>K+1_NO2-1</b>				
0	---	1	K(1)N(1)O(2)	85.1035
<b>K+1_NO2-1_(s)</b> Potassium nitrite				
0	7758-09-0	2	K(1)N(1)O(2)	85.1035
<b>K+1_NO3-1</b>				
0	---	1	K(1)N(1)O(3)	101.103
<b>K+1_NO3-1_(s)</b> Potassium nitrate; Niter; Potassium mononitrate, orthorhombic				
0	7757-79-1	2	K(1)N(1)O(3)	101.103
<b>K+1_NTA-3</b>				
-2	---	1	C(6)H(6)K(1)N(1)O(6)	227.215
<b>K+1_oCresol-1</b>				
0	---	1	C(7)H(7)K(1)O(1)	146.230
<b>K+1_OH-1</b>				

0	---	4	H(1)K(1)O(1)	56.1053
<b>K+1_OH-1_(s)</b> Potassium hydroxide				
0	1310-58-3	3	H(1)K(1)O(1)	56.1053
<b>K+1_OH-1_H2O_(s)</b> Potassium hydroxide monohydrate				
0	26288-25-5	1	H(3)K(1)O(2)	74.1206
<b>K+1_OH-1_H2O(2)_(s)</b>				
0	---	1	H(5)K(1)O(3)	92.1359
<b>K+1_OHEtDiPhos-4</b>				
-3	---	1	C(2)H(4)K(1)O(7)P(2)	241.096
<b>K+1_OHMePhos-2</b>				
-1	---	1	C(1)H(3)K(1)O(4)P(1)	149.104
<b>K+1_Oxalic-2</b>				
-1	---	1	C(2)K(1)O(4)	127.118
<b>K+1_P2O7-4</b>				
-3	---	1	K(1)O(7)P(2)	213.042
<b>K+1_P3O10-5</b>				
-4	---	1	K(1)O(10)P(3)	292.014
<b>K+1_P3O8-5</b>				
-4	---	1	K(1)O(8)P(3)	260.015
<b>K+1_P4O12-4</b>				
-3	---	1	K(1)O(12)P(4)	354.987
<b>K+1_P4O13-6</b>				
-5	---	1	K(1)O(13)P(4)	370.986
<b>K+1_P6O18-6</b>				

-5	---	1	$\text{K}(1)\text{O}(18)\text{P}(6)$	512.931
<b>K+1_pCresol-1</b>				
0	---	1	$\text{C}(7)\text{H}(7)\text{K}(1)\text{O}(1)$	146.230
<b>K+1_Pentaglyme</b>				
1	---	1	$\text{C}(12)\text{H}(26)\text{K}(1)\text{O}(6)$	305.433
<b>K+1_Phenol-1</b>				
0	---	1	$\text{C}(6)\text{H}(5)\text{K}(1)\text{O}(1)$	132.203
<b>K+1_Phthalic-2</b>				
-1	---	1	$\text{C}(8)\text{H}(4)\text{K}(1)\text{O}(4)$	203.215
<b>K+1_Picric-1</b>				
0	---	3	$\text{C}(6)\text{H}(2)\text{K}(1)\text{N}(3)\text{O}(7)$	267.196
<b>K+1_PO4-3</b>				
-2	---	1	$\text{K}(1)\text{O}(4)\text{P}(1)$	134.070
<b>K+1_Pr22DiPhos-4</b>				
-3	---	1	$\text{C}(3)\text{H}(6)\text{K}(1)\text{O}(6)\text{P}(2)$	239.123
<b>K+1_Propanoic-1</b>				
0	---	1	$\text{C}(3)\text{H}(5)\text{K}(1)\text{O}(2)$	112.170
<b>K+1_ReO4-1</b>				
0	---	1	$\text{K}(1)\text{O}(4)\text{Re}(1)$	289.306
<b>K+1_S2O3-2</b>				
-1	---	1	$\text{K}(1)\text{O}(3)\text{S}(2)$	151.216
<b>K+1_S2O8-2</b>				
-1	---	1	$\text{K}(1)\text{O}(8)\text{S}(2)$	231.213
<b>K+1_Salicylic-2</b>				
-1	---	1	$\text{C}(7)\text{H}(4)\text{K}(1)\text{O}(3)$	175.205

<b>K+1_SCN-1</b>				
0	---	1	C(1)K(1)N(1)S(1)	97.1757
<b>K+1_SCN-1_(s)</b> Potassium thiocyanate; Potassium rhodanide				
0	333-20-0	2	C(1)K(1)N(1)S(1)	97.1757
<b>K+1_SO3-2</b>				
-1	---	1	K(1)O(3)S(1)	119.156
<b>K+1_SO4-2</b>				
-1	---	2	K(1)O(4)S(1)	135.156
<b>K+1_Succinic-2</b>				
-1	---	1	C(4)H(4)K(1)O(4)	155.171
<b>K+1_Tartaric-2</b>				
-1	---	1	C(4)H(4)K(1)O(6)	187.170
<b>K+1_TcO4-1_(s)</b> Potassium technetium oxide				
0	13718-33-7	1	K(1)O(4)Tc(1)	201.096
<b>K+1_Tetraglyme</b>				
1	---	1	C(10)H(22)K(1)O(5)	261.380
<b>K+1_TetrEtGlycol_Picric-1</b>				
0	---	1	C(14)H(20)K(1)N(3)O(12)	461.424
<b>K+1_ThioDiAcet-2</b>				
-1	---	1	C(4)H(4)K(1)O(4)S(1)	187.231
<b>K+1_TriEtGlycol(2)_Picric-1</b>				
0	---	1	C(18)H(30)K(1)N(3)O(15)	567.545
<b>K+1_TriEtOlAm</b>				
1	---	1	C(6)H(15)K(1)N(1)O(3)	188.288

<b>K+1_TriEtOlAm_24DiNitrphenol-1</b>				
0	---	1	C(12)H(18)K(1)N(3)O(8)	371.388
<b>K+1_TriMDTA-4</b>				
-3	---	1	C(11)H(14)K(1)N(2)O(8)	341.339
<b>K+1_Triss</b>				
1	---	1	C(4)H(11)K(1)N(1)O(3)	160.234
<b>K+1_UramilIDA-3</b>				
-2	---	1	C(8)H(6)K(1)N(3)O(7)	295.250
<b>K+1_Uric-1_(s)</b> Potassium urate				
0	---	1	C(5)H(3)K(1)N(4)O(3)	206.202
<b>K+1_V10028-6</b>				
-5	---	2	K(1)O(28)V(10)	996.501
<b>K+1_Valinomycin</b>				
1	---	1	C(54)H(90)K(1)N(6)O(18)	1150.44
<b>K+1(2)_B4O7-2_(s)</b> Dipotassium tetraborate				
0	---	1	B(4)K(2)O(7)	233.432
<b>K+1(2)_BenzPentCOO-5</b>				
-3	---	1	C(11)H(1)K(2)O(10)	371.319
<b>K+1(2)_Bu1234TetrCOO-4</b>				
-2	---	3	C(8)H(6)K(2)O(8)	308.327
<b>K+1(2)_CO3-2_(s)</b> Potassium carbonate; Potassium carbonate, monoclinic				
0	---	2	C(1)K(2)O(3)	138.205
<b>K+1(2)_CO3-2_H2O(1.5)_(s)</b>				

Potassium carbonate hydrate; Carbonic acid, potassium salt (3:2); Potassium carbonate (sic)				
0	101508-09-2	1	$C(1)H(3)K(2)O(4.5)$	165.228
<b>K+1 (2) _Cr2O7-2_ (s)</b> Potassium dichromate				
0	7778-50-9	2	$Cr(2)K(2)O(7)$	294.184
<b>K+1 (2) _CrO4-2_ (s)</b> Potassium chromate				
0	7789-00-6	2	$Cr(1)K(2)O(4)$	194.190
<b>K+1 (2) _MoO4-2_ (s)</b>				
0	---	1	$K(2)Mo(1)O(4)$	238.156
<b>K+1 (2) _OHEtDiPhos-4</b>				
-2	---	1	$C(2)H(4)K(2)O(7)P(2)$	280.194
<b>K+1 (2) _P2O7-4</b>				
-2	---	1	$K(2)O(7)P(2)$	252.140
<b>K+1 (2) _P3O10-5</b>				
-3	---	1	$K(2)O(10)P(3)$	331.112
<b>K+1 (2) _P4O12-4</b>				
-2	---	1	$K(2)O(12)P(4)$	394.085
<b>K+1 (2) _PO4-3</b>				
-1	---	1	$K(2)O(4)P(1)$	173.168
<b>K+1 (2) _S-2</b>				
0	---	2	$K(2)S(1)$	110.256
<b>K+1 (2) _S-2_ (s)</b> Potassium sulfide				
0	1312-73-8	2	$K(2)S(1)$	110.256
<b>K+1 (2) _Se-2</b>				

0	---	1	K(2)Se(1)	157.159
<b>K+1(2)_Se-2_(s)</b>				
0	---	1	K(2)Se(1)	157.159
<b>K+1(2)_SeO3-2</b>				
0	---	1	K(2)O(3)Se(1)	205.157
<b>K+1(2)_SeO3-2_(s)</b>				
0	---	1	K(2)O(3)Se(1)	205.157
<b>K+1(2)_SeO4-2</b>				
0	---	1	K(2)O(4)Se(1)	221.157
<b>K+1(2)_SeO4-2_(s)</b>				
0	7790-59-2	1	K(2)O(4)Se(1)	221.157
<b>K+1(2)_SiF6-2_(s)</b> Potassium hexafluoro silicate				
0	16871-90-2	1	F(6)K(2)Si(1)	220.272
<b>K+1(2)_SO3-2_(s)</b> Potassium sulfite				
0	10117-38-1	2	K(2)O(3)S(1)	158.254
<b>K+1(2)_SO4-2</b>				
0	---	2	K(2)O(4)S(1)	174.254
<b>K+1(2)_SO4-2_(s)</b> Arcanite; Potassium sulphate; Potassium sulfate, orthorhombic				
0	7778-80-5	2	K(2)O(4)S(1)	174.254
<b>K+1(2)_SO4-2_H2O_(s)</b>				
0	---	1	H(2)K(2)O(5)S(1)	192.269
<b>K+1(2)_V10O28-6</b>				
-4	---	1	K(2)O(28)V(10)	1035.60

<b>K+1 (3) _AsO4-3_ (s)</b> Potassium arsenate				
0	---	2	As (1) K (3) O (4)	256.214
<b>K+1 (3) _Bu1234TetrCOO-4</b>				
-1	---	2	C (8) H (6) K (3) O (8)	347.425
<b>K+1 (3) _Na+1 _SO4-2 (2) _ (s)</b> Aphthitalite; Glaserite; Glasserite (sic)				
0	7664-93-9	2	K (3) Na (1) O (8) S (2)	332.399
<b>K+1 (3) _PO4-3_ (s)</b> Potassium phosphate; Potassium phosphate tribasic				
0	7778-53-2	2	K (3) O (4) P (1)	212.266
<b>K (g)</b> Potassium gas				
0	---	1	K (1)	39.0980
<b>K (s)</b> Potassium; Potassium, cubic				
0	7440-09-7	121	K (1)	39.0980
<b>K2 (g)</b>				
0	---	1	K (2)	78.1960
<b>K2 (UO2) 6O4 (OH) 6.7H2O (s)</b> Compreignacite				
0	---	1	H (20) K (2) O (29) U (6)	1990.51
<b>K2B6O10 (s)</b> Dipotassium hexaborate				
0	---	1	B (6) K (2) O (10)	303.050
<b>K2B8O13 (s)</b> Dipotassium octaborate				
0	---	1	B (8) K (2) O (13)	372.668
<b>K2CO3.Na2CO3 (s)</b>				



0	---	1	C(2)K(2)Na(2)O(6)	244.194
<b>K<sub>2</sub>CO<sub>3</sub>.NaHCO<sub>3</sub>.2H<sub>2</sub>O(s)</b> Potassium Trona				
0	---	1	C(2)H(5)K(2)Na(1)O(8)	258.243
<b>K<sub>2</sub>O.2SiO<sub>2</sub>(s)</b> Potassium disilicate				
0	---	1	K(2)O(5)Si(2)	214.364
<b>K<sub>2</sub>O.4SiO<sub>2</sub>(s)</b> Potassium tetrasilicate				
0	---	1	K(2)O(9)Si(4)	334.533
<b>K<sub>2</sub>O.SiO<sub>2</sub>(s)</b> Potassium metasilicate				
0	---	1	K(2)O(3)Si(1)	154.280
<b>K<sub>2</sub>O(s)</b> Potassium oxide; Dipotassium monoxide, cubic				
0	12136-45-7	2	K(2)O(1)	94.1954
<b>K<sub>2</sub>O<sub>2</sub>(s)</b> Dipotassium peroxide; Potassium peroxide				
0	17014-71-0	1	K(2)O(2)	110.195
<b>K<sub>2</sub>U<sub>2</sub>O<sub>7</sub>.1.5H<sub>2</sub>O(s)</b>				
0	---	1	H(3)K(2)O(8.5)U(2)	693.273
<b>K<sub>2</sub>U<sub>6</sub>O<sub>10</sub>.11H<sub>2</sub>O(s)</b>				
0	---	1	H(22)K(2)O(30)U(6)	2008.53
<b>K<sub>2</sub>UO<sub>4</sub>(s)</b>				
0	---	1	K(2)O(4)U(1)	380.223
<b>K<sub>8</sub>H<sub>6</sub>(SO<sub>4</sub>)<sub>7</sub>.H<sub>2</sub>O(s)</b> Misenite				
0	---	1	H(8)K(8)O(29)S(7)	1009.25

<b>KAl<sub>3</sub>Si<sub>3</sub>O<sub>10</sub>(OH)<sub>2</sub> (s)</b> Muscovite; Potassium trialuminium trisilicon decaoxide dihydroxide, monoclinic				
0	---	3	Al (3)H (2)K (1)O (12)Si (3)	398.309
<b>KAl<sub>7</sub>Si<sub>11</sub>O<sub>30</sub>(OH)<sub>6</sub> (s)</b>				
0	---	1	Al (7)H (6)K (1)O (36)Si (11)	1118.94
<b>KAlSi<sub>2</sub>O<sub>6</sub> (s)</b> Leucite; Potassium aluminium disilicon hexaoxide, tetragonal				
0	12068-38-1	2	Al (1)K (1)O (6)Si (2)	218.247
<b>KAlSi<sub>3</sub>O<sub>8</sub> (Adul., s)</b> Adularia; Potassium aluminosilicate (adularia)				
0	1302-64-3	2	Al (1)K (1)O (8)Si (3)	278.332
<b>KAlSi<sub>3</sub>O<sub>8</sub> (Feld., s)</b> Feldspar (potassium); Potassium aluminosilicate (feldspar); Potassium aluminium trisilicon octaoxide; Kspar				
0	---	3	Al (1)K (1)O (8)Si (3)	278.332
<b>KAlSi<sub>3</sub>O<sub>8</sub> (Micr., s)</b> Microcline; Potassium aluminosilicate (microcline); Potassium aluminium trisilicon octaoxide, triclinic microcline; Microcline, maximum				
0	12168-80-8	3	Al (1)K (1)O (8)Si (3)	278.332
<b>KAlSi<sub>3</sub>O<sub>8</sub> (Mur., s)</b> Muradine; Max-muradine				
0	---	1	Al (1)K (1)O (8)Si (3)	278.332
<b>KAlSi<sub>3</sub>O<sub>8</sub> (San., s)</b> Sanidine; Potassium aluminium trisilicon octaoxide, monoclinic sanidine; Potassium aluminosilicate (sanidine); Sanidine (high)				
0	12330-27-7	3	Al (1)K (1)O (8)Si (3)	278.332
<b>KAlSiO<sub>4</sub> (s)</b> Kaliophilite; Kaliophillite; Kalsilite; Potassium aluminium silicon tetraoxide, hexagonal; Kalsilit				
0	12003-49-5	2	Al (1)K (1)O (4)Si (1)	158.163
<b>KBO<sub>2</sub> (s)</b> Potassium metaborate				

0	---	1	B (1) K (1) O (2)	81.9068
<b>KFe<sub>2</sub>Al<sub>3</sub>Si<sub>2</sub>O<sub>10</sub> (OH)<sub>2</sub> (s)</b> Siderophyllite				
0	---	1	Al (3) Fe (2) H (2) K (1) O (12) Si (2)	481.914
<b>KFe<sub>3</sub>AlSi<sub>3</sub>O<sub>10</sub> (OH)<sub>2</sub> (s)</b> Annite; Potassium triiron aluminium trisilicon decaoxide dihydroxide, monoclinic; Biotite				
0	---	2	Al (1) Fe (3) H (2) K (1) O (12) Si (3)	511.881
<b>KFeAlSi<sub>4</sub>O<sub>10</sub> (OH)<sub>2</sub> (s)</b> Fe-Celadonite; Celadonite-Fe				
0	---	1	Al (1) Fe (1) H (2) K (1) O (12) Si (4)	428.276
<b>KH (s)</b> Potassium hydride				
0	---	2	H (1) K (1)	40.1059
<b>KMg<sub>2</sub>Al<sub>3</sub>Si<sub>2</sub>O<sub>10</sub> (OH)<sub>2</sub> (s)</b> Eastonite				
0	---	1	Al (3) H (2) K (1) Mg (2) O (12) Si (2)	418.834
<b>KMg<sub>3</sub>AlSi<sub>3</sub>O<sub>10</sub> (OH)<sub>2</sub> (s)</b> Phlogopite; Potassium trimagnesium aluminium trisilicon decaoxide dihydroxide, monoclinic				
0	---	3	Al (1) H (2) K (1) Mg (3) O (12) Si (3)	417.260
<b>KMg<sub>3</sub>AlSi<sub>3</sub>O<sub>10</sub>F<sub>2</sub> (s)</b> Fluorophlogopite; Potassium trimagnesium aluminium trisilicon decaoxide difluoride				
0	---	2	Al (1) F (2) K (1) Mg (3) O (10) Si (3)	421.242
<b>KMgAlSi<sub>4</sub>O<sub>10</sub> (OH)<sub>2</sub> (s)</b> Celadonite; Mg-Celadonite; Celadonite-Mg; Phengite				
0	---	1	Al (1) H (2) K (1) Mg (1) O (12) Si (4)	396.736
<b>KNbO<sub>3</sub> (s)</b>				
0	---	1	K (1) Nb (1) O (3)	180.002
<b>KNbUO<sub>6</sub> (beta, s)</b> Potassium niobium uranium hexoxide (beta)				

0	---	2	K(1)Nb(1)O(6)U(1)	466.030
<b>KNbUO6 (s)</b> Potassium niobium uranium hexoxide				
0	---	2	K(1)Nb(1)O(6)U(1)	466.030
<b>KO2 (s)</b> Potassium dioxide; Potassium superoxide				
0	12030-88-5	2	K(1)O(2)	71.0968
<b>KVUO6 (s)</b> potassium vanadium uranium oxide				
0	---	2	K(1)O(6)U(1)V(1)	424.065
<b>Lasalocid-1</b>				
-1	---	31	C(34)H(53)O(8)	589.790
<b>Maleic-2</b> cis-Butenedioate ion; Maleate ion				
-2	142-44-9	195	C(4)H(2)O(4)	114.058
<b>Malic-2</b> Malate ion				
-2	149-61-1	682	C(4)H(4)O(5)	132.073
<b>Malonic-2</b> Malonate ion				
-2	156-80-9	417	C(3)H(2)O(4)	102.047
<b>MeDiPhos-4</b> Methanediphosphonate ion				
-4	---	76	C(1)H(2)O(6)P(2)	171.971
<b>MeEDTA-4</b>				
-4	---	57	C(11)H(14)N(2)O(8)	302.241
<b>Mg+2</b> Magnesium(II) ion				
2	22537-22-0	2035	Mg(1)	24.3050

<b>Mg+2_K+1_Br-1(3)_H2O(6)_(s)</b>				
0	---	2	Br(3)H(12)K(1)Mg(1)O(6)	411.207
<b>Mg+2_K+1_Cl-1_SO4-2_H2O(3)_(s)</b> Kainite				
0	---	1	Cl(1)H(6)K(1)Mg(1)O(7)S(1)	248.959
<b>Mg+2_K+1_Cl-1(3)_H2O(6)_(s)</b> Carnallite				
0	---	2	Cl(3)H(12)K(1)Mg(1)O(6)	277.854
<b>Mg+2_K+1_PO4-3</b>				
0	---	1	K(1)Mg(1)O(4)P(1)	158.375
<b>Mg+2_K+1_PO4-3_H2O(6)_(s)</b> Magnesium potassium phosphate hexahydrate; Potassium struvite; K-Struvite; Struvite (potassium)				
0	---	1	H(12)K(1)Mg(1)O(10)P(1)	266.466
<b>Mg+2_K+1(2)_SO4-2(2)_H2O(4)_(s)</b> Leonite				
0	---	1	H(8)K(2)Mg(1)O(12)S(2)	366.677
<b>Mg+2_K+1(2)_SO4-2(2)_H2O(6)_(s)</b> Picromerite; Schonite; Schoenite				
0	15491-86-8	1	H(12)K(2)Mg(1)O(14)S(2)	402.708
<b>Mg+2(2)_K+1(2)_SO4-2(3)_(s)</b> Langbeinite; Dipotassium dimagnesium trisulfate, cubic				
0	---	2	K(2)Mg(2)O(12)S(3)	414.979
<b>Mg(s)</b> Magnesium; Magnesium, hexagonal				
0	7439-95-4	154	Mg(1)	24.3050
<b>Mn(s)</b> Manganese; Manganese, alpha; Manganese, complex bcc				
0	7439-96-5	72	Mn(1)	54.9380

<b>MnO4-1</b> Permanganate ion				
-1	14333-13-2	20	Mn (1) O (4)	118.936
<b>Mo+4_CN-1</b>				
3	---	1	C (1) Mo (1) N (1)	121.980
<b>Mo+4_K+1_CN-1</b>				
4	---	1	C (1) K (1) Mo (1) N (1)	161.078
<b>Monensin-1</b>				
-1	---	17	C (36) H (61) O (11)	669.874
<b>MoO4-2</b> Molybdate(VI) ion				
-2	14259-85-9	281	Mo (1) O (4)	159.960
<b>N2 (g)</b> Nitrogen gas; Nitrogen				
0	7727-37-9	566	N (2)	28.0134
<b>Na+1</b> Sodium(I) ion				
1	17341-25-2	617	Na (1)	22.9900
<b>Na (s)</b> Sodium; Sodium, cubic				
0	7440-23-5	209	Na (1)	22.9900
<b>Nb+5_K+1_Cl-1(6)_(s)</b>				
0	---	1	Cl (6) K (1) Nb (1)	344.722
<b>Nb (s)</b> Niobium				
0	7440-03-1	49	Nb (1)	92.9062
<b>NbOF3</b> Niobium oxyfluoride				
0	---	4	F (3) Nb (1) O (1)	165.901

<b>NO2-1</b> Nitrite ion				
-1	14797-65-0	175	N(1)O(2)	46.0055
<b>NO3-1</b> Nitrate ion				
-1	14797-55-8	573	N(1)O(3)	62.0049
<b>NTA-3</b> Nitrilotriacetate ion; N,N-bis(carboxymethyl)glycinate ion; Triglycollamate ion; Triglycinate ion; NTA ion				
-3	28528-44-1	751	C(6)H(6)N(1)O(6)	188.117
<b>O2 (g)</b> Oxygen gas; Oxygen				
0	7782-44-7	2559	O(2)	31.9988
<b>oCresol-1</b> o-Cresolate ion				
-1	---	5	C(7)H(7)O(1)	107.132
<b>OH-1</b> Hydroxide ion				
-1	14280-30-9	6558	H(1)O(1)	17.0073
<b>OHEtDiPhos-4</b>				
-4	---	77	C(2)H(4)O(7)P(2)	201.998
<b>OHMePhos-2</b>				
-2	---	16	C(1)H(3)O(4)P(1)	110.006
<b>Oxalic-2</b> Oxalate ion				
-2	338-70-5	1241	C(2)O(4)	88.0196
<b>P(s)</b> Phosphorus; Phosphorus, white; Phosphorous, alpha; Phosphorous, cubic				
0	7723-14-0	166	P(1)	30.9740

<b>P207-4</b>				
Pyrophosphate ion; Pyrophosphate anion; Diphosphate ion				
-4	14000-31-8	285	O (7) P (2)	173.944
<b>P3010-5</b>				
Triphosphate ion; Tripolyphosphate ion				
-5	14127-68-5	283	O (10) P (3)	252.916
<b>P308-5</b>				
-5	---	8	O (8) P (3)	220.917
<b>P4012-4</b>				
Tetrametaphosphate ion				
-4	17121-12-9	29	O (12) P (4)	315.889
<b>P4013-6</b>				
Tetraphosphate ion				
-6	16132-64-2	40	O (13) P (4)	331.888
<b>P6018-6</b>				
Hexametaphosphate				
-6	---	14	O (18) P (6)	473.833
<b>Pb+2</b>				
Lead(II) ion				
2	14280-50-3	2437	Pb (1)	207.200
<b>Pb+2_Cl-1 (3)</b>				
-1	---	8	Cl (3) Pb (1)	313.559
<b>Pb+2_Cl-1 (4)</b>				
-2	---	8	Cl (4) Pb (1)	349.012
<b>Pb+2_K+1_Cl-1 (3)</b>				
0	---	2	Cl (3) K (1) Pb (1)	352.657
<b>Pb+2_K+1_Cl-1 (4)</b>				
-1	---	2	Cl (4) K (1) Pb (1)	388.110



<b>Pb+2_K+1_NO3-1(4)</b>				
-1	---	2	K(1)N(4)O(12)Pb(1)	494.318
<b>Pb+2_NO3-1(4)</b>				
-2	---	3	N(4)O(12)Pb(1)	455.220
<b>pCresol-1</b> p-Cresolate ion				
-1	---	7	C(7)H(7)O(1)	107.132
<b>Pd+4_Cl-1(6)</b>				
-2	---	3	Cl(6)Pd(1)	319.138
<b>Pd+4_K+1(2)_Cl-1(6)_ (s)</b>				
0	---	1	Cl(6)K(2)Pd(1)	397.334
<b>Pentaglyme</b> Pentaglyme; 2,5,8,11,14,17-Hexaoxaoctadecane; Dimethoxypentaethyleneglycol; Pentaethyleneglycol dimethyl ether				
0	---	10	C(12)H(26)O(6)	266.335
<b>Phenol-1</b> Phenolate ion; Hydroxybenzoate ion				
-1	3229-70-7	154	C(6)H(5)O(1)	93.1051
<b>Phthalic-2</b> Phthalate ion				
-2	3198-29-6	134	C(8)H(4)O(4)	164.117
<b>Picric-1</b>				
-1	---	22	C(6)H(2)N(3)O(7)	228.098
<b>PO4-3</b> Phosphate ion; Phosphate ion				
-3	14265-44-2	1594	O(4)P(1)	94.9716
<b>Pr22DiPhos-4</b>				
-4	---	16	C(3)H(6)O(6)P(2)	200.025

<b>Propanoic-1</b> Propanoate ion; Propionate ion				
-1	72-03-7	176	C(3)H(5)O(2)	73.0715
<b>Pt+4_Cl-1(6)</b> Hexachloroplatinate				
-2	---	6	Cl(6)Pt(1)	407.798
<b>Pt+4_K+1(2)_Cl-1(6)_ (s)</b>				
0	---	1	Cl(6)K(2)Pt(1)	485.994
<b>Pu+4</b> Plutonium(IV) ion				
4	22541-44-2	378	Pu(1)	244.000
<b>Pu+4_K+1(4)_SO4-2(4)_ (s)</b> Plutonium potassium sulphate; Plutonium potassium sulfate				
0	99770-09-9	1	K(4)O(16)Pu(1)S(4)	784.622
<b>Pu+4_K+1(4)_SO4-2(4)_H2O(2)_ (s)</b>				
0	---	1	H(4)K(4)O(18)Pu(1)S(4)	820.653
<b>ReO4-1</b> Rhenate ion				
-1	---	8	O(4)Re(1)	250.208
<b>Ru+2_CN-1(6)</b>				
-4	---	2	C(6)N(6)Ru(1)	257.178
<b>Ru+2_K+1_CN-1(6)</b>				
-3	---	1	C(6)K(1)N(6)Ru(1)	296.276
<b>S-2</b> Sulfide ion; Sulphide ion				
-2	14127-58-3	466	S(1)	32.0600
<b>S(s)</b> Sulphur, alpha; Sulphur, orthorhombic; Sulphur; Sulfur, alpha; Sulfur, orthorhombic; Sulfur; Sulfur-Rhmb				

0	7704-34-9	619	S (1)	32.0600
<b>S2O3-2</b> Thiosulphate ion; Thiosulfate ion				
-2	14383-50-7	276	O (3) S (2)	112.118
<b>S2O8-2</b> Peroxodisulphate ion; Peroxodisulfate ion; Persulfate ion				
-2	15092-81-6	15	O (8) S (2)	192.115
<b>Salicylic-2</b> Salicylate ion				
-2	16887-56-2	558	C (7) H (4) O (3)	136.107
<b>SCN-1</b> Thiocyanate ion; NCS-1 equivalent				
-1	302-04-5	785	C (1) N (1) S (1)	58.0777
<b>Se-2</b> Selenide ion				
-2	---	98	Se (1)	78.9630
<b>SeO3-2</b> Selenite ion				
-2	---	173	O (3) Se (1)	126.961
<b>SeO4-2</b> Selenate ion				
-2	---	106	O (4) Se (1)	142.961
<b>Si (s)</b> Silicon; Silicon, cubic				
0	7440-21-3	246	Si (1)	28.0855
<b>SO3-2</b> Sulphite ion; Sulfite ion				
-2	14265-45-3	146	O (3) S (1)	80.0582
<b>SO4-2</b> Sulfate ion; Sulphate ion				
-2	14808-79-8	1270	O (4) S (1)	96.0576

<b>Succinic-2</b> Succinate ion				
-2	56-14-4	635	C(4)H(4)O(4)	116.073
<b>Ta+5_K+1_Cl-1(6)_(s)</b>				
0	---	1	Cl(6)K(1)Ta(1)	432.766
<b>Ta(s)</b> Tantalum				
0	---	31	Ta(1)	180.950
<b>Tartaric-2</b> Tartrate ion				
-2	---	393	C(4)H(4)O(6)	148.072
<b>TcO4-1</b> Technetate ion				
-1	---	26	O(4)Tc(1)	161.998
<b>Tetraglyme</b> Tetraglyme; 2,5,8,11,14-Pentaoxapentadecane; Tetraethylene glycol dimethyl ether; Dimethoxytetraethyleneglycol				
0	143-24-8	22	C(10)H(22)O(5)	222.282
<b>TetrEtGlycol</b> Tetraethylene glycol; TEG (Tetraethyleneglycol); Tetra(ethylene glycol); 2,2'-[Oxybis(2,2-ethanediylloxy)]bisethanol				
0	112-60-7	5	C(8)H(18)O(5)	194.228
<b>ThioDiAcet-2</b> Thiodiacetate ion				
-2	73619-67-7	93	C(4)H(4)O(4)S(1)	148.133
<b>TriEtGlycol</b> TEG (Triethyleneglycol); Triethylene glycol; Tri(ethylene glycol); 2,2'-[1,2-Ethanediyloxy]bisethanol; 2,2'-Ethylenedioxybis(ethanol)				
0	112-27-6	4	C(6)H(14)O(4)	150.175
<b>TriEtOlAm</b> Triethanolamine; Tris(2-hydroxyethyl)amine; 2,2',2''-Nitrilotriethanol; Tea; H3tea				
0	102-71-6	84	C(6)H(15)N(1)O(3)	149.190

<b>TriMDTA-4</b>				
-4	---	107	C(11)H(14)N(2)O(8)	302.241
<b>Tris</b> 2-Amino-2-(hydroxymethyl)-1,3-propandiol; tris(hydroxymethyl)aminomethane; THAM; Tris buffer; Tromethamine; Trimethylol aminomethane; Trisamine; Trometamol				
0	77-86-1	63	C(4)H(11)N(1)O(3)	121.136
<b>U+4</b> Uranium(IV) ion				
4	16089-60-4	405	U(1)	238.029
<b>U(s)</b> Uranium; Uranium, orthorhombic; Uranium, alpha				
0	7440-61-1	263	U(1)	238.029
<b>UO2+2</b> Uranyl ion; U(VI) cation; Uranate				
2	16637-16-4	1268	O(2)U(1)	270.028
<b>UO2+2(2)_K+1(2)_PO4-3(2)_(s)</b> K-autunite				
0	---	2	K(2)O(12)P(2)U(2)	808.195
<b>UO2+2(2)_K+1(2)_VO4-3(2)_(s)</b> Carnotite				
0	---	2	K(2)O(12)U(2)V(2)	848.131
<b>UramilIDA-3</b> Uramil-N,N-diacetate ion; N-(2',4',6'-Trioxypyrimidin-5'-yl)iminodiacetate ion; 5-Amino-2,4,6-trioxo-1,3-perhydrodiazine-N,N-diacetate ion; 5-Amino-2,4,6-pyrimidinetrione-N,N-diacetate ion				
-3	---	59	C(8)H(6)N(3)O(7)	256.152
<b>Uric-1</b>				
-1	---	10	C(5)H(3)N(4)O(3)	167.104
<b>V(s)</b> Vanadium; Vanadium, cubic; Vanadium, bcc				
0	7440-62-2	170	V(1)	50.9420

<b>V10O28-6</b> Polyvanadate; Decavanadate				
-6	---	39	O(28)V(10)	957.403
<b>Valinomycin</b> Valinomycin; Potassium ionophore (Valinomycin)				
0	2001-95-8	3	C(54)H(90)N(6)O(18)	1111.34
<b>VO2+1</b> Dioxovanadium ion; Pervanadyl ion; Vanadium(V) ion (pervanadyl)				
1	18252-79-4	143	O(2)V(1)	82.9408
<b>VO4-3</b> Orthovanadate ion; Vanadate(V) ion; Vanadium Oxide ion				
-3	14333-18-7	161	O(4)V(1)	114.940
<b>Zn+2</b> Zinc(II) ion				
2	23713-49-7	4977	Zn(1)	65.3820
<b>Zn+2_Br-1(3)</b>				
-1	---	12	Br(3)Zn(1)	305.094
<b>Zn+2_Br-1(4)</b>				
-2	---	6	Br(4)Zn(1)	384.998
<b>Zn+2_Cl-1(3)</b>				
-1	---	11	Cl(3)Zn(1)	171.741
<b>Zn+2_Cl-1(4)</b>				
-2	---	5	Cl(4)Zn(1)	207.194
<b>Zn+2_I-1(3)</b>				
-1	---	5	I(3)Zn(1)	446.082
<b>Zn+2_I-1(4)</b>				
-2	---	4	I(4)Zn(1)	572.982

<b>Zn+2_K+1_Br-1 (3)</b>				
0	---	2	Br (3) K (1) Zn (1)	344.192
<b>Zn+2_K+1_Br-1 (4)</b>				
-1	---	2	Br (4) K (1) Zn (1)	424.096
<b>Zn+2_K+1_Cl-1 (3)</b>				
0	---	2	Cl (3) K (1) Zn (1)	210.839
<b>Zn+2_K+1_Cl-1 (4)</b>				
-1	---	2	Cl (4) K (1) Zn (1)	246.292
<b>Zn+2_K+1_I-1 (3)</b>				
0	---	2	I (3) K (1) Zn (1)	485.180
<b>Zn+2_K+1_I-1 (4)</b>				
-1	---	2	I (4) K (1) Zn (1)	612.080
<b>Zn+2_K+1 (2)_Cl-1 (3)</b>				
1	---	1	Cl (3) K (2) Zn (1)	249.937