

MINTEQA2 for Windows
Trial version
Allison Geoscience Consultants, Inc.

This trial version of MINTEQA2 for Windows is for evaluation purposes only. The trial version has most of the functionality of the full version, but you cannot print output files or print or save graph files. In addition, the database of the trial version has been reduced so that only major cationic species, major anionic species, their associated redox couples and gases, the ligands EDTA and acetate, and the trace metals Zn and Cu remain. This database is NOT intended for any use other than evaluating the functionality of the MINTEQA2 for Windows software. The trial version expires and becomes inoperable five days after its first use.

The full version of MINTEQA2 for Windows includes the thermodynamic database used in the DOS version of MINTEQA2 (v4.01) distributed by the U.S. Environmental Protection Agency. This version has 1235 solution species, 559 solid species, and 35 associated redox couples and gas species. The names of these species appear below, just as they appear in the thermodynamic database. The full version also included sorption database files containing reactions formulated for use in MINTEQA2 based on published compilations for hydrous ferric oxide (Dzombak, D.A. and F.M.M. Morel, 1990. *Surface Complexation Modeling: Hydrous Ferric Oxide*. John Wiley & Sons, New York, NY, 393p.) and goethite (Mathur, S. S., 1995. Development of a Database for Ion Sorption on Goethite Using Surface Complexation Modeling. Master's Thesis, Department of Civil and Environmental Engineering, Carnegie Mellon University, Pittsburgh, PA.).

If you have questions about MINTEQA2 for Windows, please email us at minteq@allisongeoscience.com or call us at 770-535-1191.

Full version database species:

Species Name	Type
S-2	solution
Se-2	solution
Tl+3	solution
Hg (aq)	solution
Hg+2	solution
Cr+3	solution
OH-	solution
Sn+2	solution
SnOH+	solution
Sn(OH)3-	solution
Sn2(OH)2+2	solution
Sn3(OH)4+2	solution
HSnO2-	solution
Sn+4	solution
SnO3-2	solution
PbOH+	solution
Pb(OH)2 (aq)	solution
Pb(OH)3-	solution
Pb2OH+3	solution
Pb3(OH)4+2	solution
Pb(OH)4-2	solution
Pb4(OH)4+4	solution
BF(OH)3-	solution

$\text{BF}_2(\text{OH})_2^-$	solution
BF_3OH^-	solution
AlOH^{+2}	solution
$\text{Al}(\text{OH})_2^+$	solution
$\text{Al}(\text{OH})_3$ (aq)	solution
$\text{Al}(\text{OH})_4^-$	solution
TlOH (aq)	solution
TlOH^{+2}	solution
$\text{Tl}(\text{OH})_2^+$	solution
$\text{Tl}(\text{OH})_4^{-1}$	solution
ZnOH^+	solution
$\text{Zn}(\text{OH})_2$ (aq)	solution
$\text{Zn}(\text{OH})_3^-$	solution
$\text{Zn}(\text{OH})_4^{-2}$	solution
CdOH^+	solution
$\text{Cd}(\text{OH})_2$ (aq)	solution
$\text{Cd}(\text{OH})_3^-$	solution
$\text{Cd}(\text{OH})_4^{-2}$	solution
$\text{Cd}_2\text{OH}^{+3}$	solution
HgOH^+	solution
$\text{Hg}(\text{OH})_3^{-1}$	solution
CuOH^+	solution
$\text{Cu}(\text{OH})_2$ (aq)	solution
$\text{Cu}(\text{OH})_3^-$	solution
$\text{Cu}(\text{OH})_4^{-2}$	solution
$\text{Cu}_2(\text{OH})_2^{+2}$	solution
AgOH (aq)	solution
$\text{Ag}(\text{OH})_2^-$	solution
NiOH^+	solution
$\text{Ni}(\text{OH})_2$ (aq)	solution
$\text{Ni}(\text{OH})_3^-$	solution
CoOH^+	solution
$\text{Co}(\text{OH})_2$ (aq)	solution
$\text{Co}(\text{OH})_3^-$	solution
$\text{Co}(\text{OH})_4^{-2}$	solution
$\text{Co}_2\text{OH}^{+3}$	solution
$\text{Co}_4(\text{OH})_4^{+4}$	solution
CoOOH^-	solution
CoOH^{+2}	solution
FeOH^+	solution
$\text{Fe}(\text{OH})_2$ (aq)	solution
$\text{Fe}(\text{OH})_3^-$	solution
FeOH^{+2}	solution
$\text{Fe}(\text{OH})_2^+$	solution
$\text{Fe}(\text{OH})_3$ (aq)	solution
$\text{Fe}(\text{OH})_4^-$	solution
$\text{Fe}_2(\text{OH})_2^{+4}$	solution
$\text{Fe}_3(\text{OH})_4^{+5}$	solution
MnOH^+	solution
$\text{Mn}(\text{OH})_3^-$	solution
$\text{Mn}(\text{OH})_4^{-2}$	solution
MnO_4^-	solution
MnO_4^{-2}	solution
$\text{Cr}(\text{OH})^{+2}$	solution
$\text{Cr}(\text{OH})_3$ (aq)	solution
$\text{Cr}(\text{OH})_4^-$	solution
CrO_2^-	solution
VOH^+	solution
VOH^{+2}	solution
$\text{V}(\text{OH})_2^+$	solution

V(OH)3 (aq)	solution
V2(OH)2+4	solution
V2(OH)3+3	solution
V(OH)3+	solution
H2V2O4+2	solution
UOH+3	solution
U(OH)2+2	solution
U(OH)3+	solution
U(OH)4 (aq)	solution
U(OH)5-	solution
U6(OH)15+9	solution
UO2OH+	solution
(UO2)2(OH)2+2	solution
(UO2)3(OH)5+	solution
BeOH+	solution
Be(OH)2 (aq)	solution
Be(OH)3-	solution
Be(OH)4-2	solution
Be2OH+3	solution
Be3(OH)3+3	solution
MgOH+	solution
CaOH+	solution
SrOH+	solution
BaOH+	solution
HF (aq)	solution
HF2-	solution
H2F2 (aq)	solution
SbOF (aq)	solution
Sb(OH)2F (aq)	solution
SiF6-2	solution
SnF+	solution
SnF2 (aq)	solution
SnF3-	solution
SnF6-2	solution
PbF+	solution
PbF2 (aq)	solution
PbF3-	solution
PbF4-2	solution
BF4-	solution
AlF+2	solution
AlF2+	solution
AlF3 (aq)	solution
AlF4-	solution
TlF (aq)	solution
ZnF+	solution
CdF+	solution
CdF2 (aq)	solution
HgF+	solution
CuF+	solution
AgF (aq)	solution
NiF+	solution
CoF+	solution
FeF+2	solution
FeF2+	solution
FeF3 (aq)	solution
MnF+	solution
CrF+2	solution
VOF+	solution
VOF2 (aq)	solution
VOF3-	solution

VOF4-2	solution
VO2F (aq)	solution
VO2F2-	solution
VO2F3-2	solution
VO2F4-3	solution
UF+3	solution
UF2+2	solution
UF3+	solution
UF4 (aq)	solution
UF5-	solution
UF6-2	solution
UO2F+	solution
UO2F2 (aq)	solution
UO2F3-	solution
UO2F4-2	solution
BeF+	solution
BeF2 (aq)	solution
BeF3-	solution
MgF+	solution
CaF+	solution
SrF+	solution
NaF (aq)	solution
SnCl+	solution
SnCl2 (aq)	solution
SnCl3-	solution
PbCl+	solution
PbCl2 (aq)	solution
PbCl3-	solution
PbCl4-2	solution
TlCl (aq)	solution
TlCl2-1	solution
TlCl+2	solution
TlCl2+	solution
TlCl3 (aq)	solution
TlCl4-1	solution
TlOHCl+	solution
ZnCl+	solution
ZnCl2 (aq)	solution
ZnCl3-	solution
ZnCl4-2	solution
ZnOHCl (aq)	solution
CdCl+	solution
CdCl2 (aq)	solution
CdCl3-	solution
CdOHCl (aq)	solution
HgCl+	solution
HgCl2 (aq)	solution
HgCl3-1	solution
HgCl4-2	solution
HgClI (aq)	solution
HgClOH (aq)	solution
CuCl+	solution
CuCl2 (aq)	solution
CuCl3-	solution
CuCl4-2	1 solution
CuCl2-	solution
CuCl3-2	solution
CuCl (aq)	solution
AgCl (aq)	solution
AgCl2-	solution

AgCl3-2	solution
AgCl4-3	solution
NiCl+	solution
NiCl2 (aq)	solution
CoCl+	solution
CoCl+2	solution
FeCl+2	solution
FeCl2+	solution
FeCl3 (aq)	solution
MnCl+	solution
MnCl2 (aq)	solution
MnCl3-	solution
CrCl+2	solution
CrCl2+	solution
CrOHCl2 (aq)	solution
VOCl+	solution
UCl+3	solution
UO2Cl+	solution
BeCl+	solution
SnBr+	solution
SnBr2 (aq)	solution
SnBr3-	solution
PbBr+	solution
PbBr2 (aq)	solution
TlBr (aq)	solution
TlBr2-1	solution
TlBrCl-1	solution
TlIBr-1	solution
TlBr+2	solution
TlBr2+	solution
TlBr3 (aq)	solution
TlBr4-1	solution
ZnBr+	solution
ZnBr2 (aq)	solution
CdBr+	solution
CdBr2 (aq)	solution
HgBr+	solution
HgBr2 (aq)	solution
HgBr3-1	solution
HgBr4-2	solution
HgBrCl (aq)	solution
HgBrI (aq)	solution
HgBrI3-2	solution
HgBr2I2-2	solution
HgBr3I-2	solution
HgBrOH (aq)	solution
AgBr (aq)	solution
AgBr2-	solution
AgBr3-2	solution
NiBr+	solution
CrBr+2	solution
BeBr+	solution
PbI+	solution
PbI2 (aq)	solution
TlI (aq)	solution
TlI2-1	solution
TlI4-1	solution
ZnI+	solution
ZnI2 (aq)	solution
CdI+	solution

CdI2 (aq)	solution
HgI+	solution
HgI2 (aq)	solution
HgI3-1	solution
HgI4-2	solution
AgI (aq)	solution
AgI2-	solution
AgI3-2	solution
AgI4-3	solution
CrI+2	solution
H2S (aq)	solution
Pb(HS)2 (aq)	solution
Pb(HS)3-	solution
TlHS (aq)	solution
Tl2HS+	solution
Tl2OH(HS)3-2	solution
Tl2(OH)2(HS)2-2	solution
Zn(HS)2 (aq)	solution
Zn(HS)3-	solution
ZnS(HS)2-2	solution
Zn(HS)4-2	solution
ZnS(HS)-	solution
CdHS+	solution
Cd(HS)2 (aq)	solution
Cd(HS)3-	solution
Cd(HS)4-2	solution
HgS2-2	solution
Hg(HS)2 (aq)	solution
HgHS2-1	solution
Cu(HS)3-	solution
AgHS (aq)	solution
Ag(HS)2-	solution
Fe(HS)2 (aq)	solution
Fe(HS)3-	solution
S2-2	solution
S3-2	solution
S4-2	solution
S5-2	solution
S6-2	solution
Sb2S4-2	solution
Cu(S4)2-3	solution
CuS4S5-3	solution
Ag(S4)2-3	solution
AgS4S5-3	solution
Ag(HS)S4-2	solution
HSO4-	solution
NH4SO4-	solution
PbSO4 (aq)	solution
Pb(SO4)2-2	solution
AlSO4+	solution
Al(SO4)2-	solution
TlSO4-1	solution
ZnSO4 (aq)	solution
Zn(SO4)2-2	solution
CdSO4 (aq)	solution
Cd(SO4)2-2	solution
HgSO4 (aq)	solution
CuSO4 (aq)	solution
AgSO4-	solution
NiSO4 (aq)	solution

Ni(SO ₄) ₂₋₂	solution
CoSO ₄ (aq)	solution
FeSO ₄ (aq)	solution
FeSO ₄ ⁺	solution
Fe(SO ₄) ₂₋	solution
MnSO ₄ (aq)	solution
CrSO ₄ ⁺	solution
CrOHSO ₄ (aq)	solution
Cr ₂ (OH) ₂ SO ₄ ⁺²	solution
Cr ₂ (OH) ₂ (SO ₄) ₂ (aq)	solution
USO ₄ ⁺²	solution
U(SO ₄) ₂ (aq)	solution
UO ₂ SO ₄ (aq)	solution
UO ₂ (SO ₄) ₂₋₂	solution
VSO ₄ ⁺	solution
VOSO ₄ (aq)	solution
VO ₂ SO ₄ ⁻	solution
BeSO ₄ (aq)	solution
Be(SO ₄) ₂₋₂	solution
MgSO ₄ (aq)	solution
CaSO ₄ (aq)	solution
SrSO ₄ (aq)	solution
LiSO ₄ ⁻	solution
NaSO ₄ ⁻	solution
KSO ₄ ⁻	solution
H ₂ Se	solution
Ag ₂ Se	solution
AgOH(Se) ₂₋₄	solution
MnSe (aq)	solution
SeO ₃₋₂	solution
H ₂ SeO ₃ (aq)	solution
Cd(SeO ₃) ₂₋₂	solution
AgSeO ₃₋₁	solution
Ag(SeO ₃) ₂₋₃	solution
FeHSeO ₃₊₂	solution
HSeO ₄₋₁	solution
ZnSeO ₄	solution
Zn(SeO ₄) ₂₋₂	solution
CdSeO ₄ (aq)	solution
NiSeO ₄ (aq)	solution
CoSeO ₄ (aq)	solution
MnSeO ₄ (aq)	solution
NH ₃ (aq)	solution
AgNH ₃ ⁺	solution
Ag(NH ₃) ₂₊	solution
HgNH ₃₊₂	solution
Hg(NH ₃) ₂₊₂	solution
Hg(NH ₃) ₃₊₂	solution
Hg(NH ₃) ₄₊₂	solution
CuNH ₃₊₂	solution
NiNH ₃₊₂	solution
Ni(NH ₃) ₂₊₂	solution
Co(NH ₃) ₊₂	solution
Co(NH ₃) ₂₊₂	solution
Co(NH ₃) ₃₊₂	solution
Co(NH ₃) ₄₊₂	solution
Co(NH ₃) ₅₊₂	solution
Co(NH ₃) _{6OH+2}	solution
Co(NH ₃) _{5Cl+2}	solution
Co(NH ₃) _{6Cl+2}	solution

Co(NH3)6Br+2	solution
Co(NH3)6I+2	solution
Co(NH3)6SO4+	solution
Cr(NH3)6+3	solution
Cr(NH3)5OH+2	solution
Cr(NH3)6Cl+2	solution
Cr(NH3)6Br+2	solution
Cr(NH3)6I+2	solution
cis-Cr(OH)2(NH3)4+	solution
trans-Cr(OH)2(NH3)4+	solution
CaNH3+2	solution
Ca(NH3)2+2	solution
SrNH3+2	solution
BaNH3+2	solution
TlNO2 (aq)	solution
AgNO2 (aq)	solution
Ag(NO2)2-	solution
CuNO2+	solution
Cu(NO2)2 (aq)	solution
CoNO2+	solution
SnNO3+	solution
PbNO3+	solution
Pb(NO3)2 (aq)	solution
TlNO3 (aq)	solution
TlNO3+2	solution
CdNO3+	solution
Cd(NO3)2 (aq)	solution
HgNO3+	solution
Hg(NO3)2 (aq)	solution
CuNO3+	solution
Cu(NO3)2 (aq)	solution
ZnNO3+	solution
Zn(NO3)2 (aq)	solution
AgNO3 (aq)	solution
NiNO3+	solution
CoNO3+	solution
Co(NO3)2 (aq)	solution
FeNO3+2	solution
MnNO3+	solution
Mn(NO3)2 (aq)	solution
CrNO3+2	solution
UO2NO3+	solution
VO2NO3 (aq)	solution
CaNO3+	solution
SrNO3+	solution
BaNO3+	solution
HCN (aq)	solution
CdCN+	solution
Cd(CN)2 (aq)	solution
Cd(CN)3-	solution
Cd(CN)4-2	solution
HgCN+	solution
Hg(CN)2 (aq)	solution
Hg(CN)3-	solution
Hg(CN)4-2	solution
Cu(CN)2-	solution
Cu(CN)3-2	solution
Cu(CN)4-3	solution
Ag(CN)2-	solution
Ag(CN)3-2	solution

Ag(CN)OH-	solution
Ni(CN)4-2	solution
NiH(CN)4-	solution
NiH2CN4 (aq)	solution
NiH3(CN)4+	solution
Co(CN)3-	solution
Co(CN)5-3	solution
Fe(CN)6-4	solution
HFe(CN)6-3	solution
H2Fe(CN)6-2	solution
Fe(CN)6-3	solution
Fe2(CN)6 (aq)	solution
SnFe(CN)6-	solution
NH4Fe(CN)6-3	solution
TlFe(CN)6-3	solution
MgFe(CN)6-	solution
MgFe(CN)6-2	solution
CaFe(CN)6-	solution
CaFe(CN)6-2	solution
Ca2Fe(CN)6 (aq)	solution
SrFe(CN)6-	solution
SrFe(CN)6-2	solution
BaFe(CN)6-2	solution
BaFe(CN)6-1	solution
NaFe(CN)6-3	solution
KFe(CN)6-3	solution
KFe(CN)6-2	solution
HPO4-2	solution
H2PO4-	solution
H3PO4	solution
CoHPO4 (aq)	solution
FeH2PO4+	solution
FeHPO4 (aq)	solution
FeH2PO4+2	solution
FeHPO4+	solution
CrH2PO4+2	solution
UHPO4+2	solution
U(HPO4)2 (aq)	solution
U(HPO4)3-2	solution
U(HPO4)4-4	solution
UO2HPO4 (aq)	solution
UO2(HPO4)2-2	solution
UO2H2PO4+	solution
UO2(H2PO4)2 (aq)	solution
UO2(H2PO4)3-	solution
UO2PO4-	solution
MgPO4-	solution
MgH2PO4+	solution
MgHPO4 (aq)	solution
CaHPO4 (aq)	solution
CaPO4-	solution
CaH2PO4+	solution
SrHPO4 (aq)	solution
SrH2PO4+	solution
NaHPO4-	solution
KHPO4-	solution
AsO3-3	solution
HAsO3-2	solution
H2AsO3-	solution
H4AsO3+	solution

AsO ₄ ⁻³	solution
HAsO ₄ ⁻²	solution
H ₂ AsO ₄ ⁻	solution
Sb(OH) ₄ ⁻¹	solution
Sb(OH) ₂ ⁺	solution
HSbO ₂	solution
SbO ₂ ⁻	solution
SbO ⁺	solution
SbO ₃ ⁻	solution
SbO ₂ ⁺	solution
HCO ₃ ⁻	solution
H ₂ CO ₃ (aq)	solution
Pb(CO ₃) ₂ ⁻²	solution
PbCO ₃ (aq)	solution
PbHCO ₃ ⁺	solution
ZnCO ₃ (aq)	solution
ZnHCO ₃ ⁺	solution
HgCO ₃ (aq)	solution
Hg(CO ₃) ₂ ⁻²	solution
HgHCO ₃ ⁺	solution
CdCO ₃ (aq)	solution
CdHCO ₃ ⁺	solution
Cd(CO ₃) ₂ ⁻²	solution
CuCO ₃ (aq)	solution
CuHCO ₃ ⁺	solution
Cu(CO ₃) ₂ ⁻²	solution
NiCO ₃ (aq)	solution
NiHCO ₃ ⁺	solution
CoCO ₃ (aq)	solution
CoHCO ₃ ⁺	solution
FeHCO ₃ ⁺	solution
MnHCO ₃ ⁺	solution
UO ₂ CO ₃ (aq)	solution
UO ₂ (CO ₃) ₂ ⁻²	solution
UO ₂ (CO ₃) ₃ ⁻⁴	solution
BeCO ₃ (aq)	solution
MgCO ₃ (aq)	solution
MgHCO ₃ ⁺	solution
CaHCO ₃ ⁺	solution
CaCO ₃ (aq)	solution
SrCO ₃ (aq)	solution
SrHCO ₃ ⁺	solution
BaCO ₃ (aq)	solution
BaHCO ₃ ⁺	solution
NaCO ₃ ⁻	solution
NaHCO ₃ (aq)	solution
H ₂ SiO ₄ ⁻²	solution
H ₃ SiO ₄ ⁻	solution
UO ₂ H ₃ SiO ₄ ⁺	solution
H ₂ B ₃ ⁻	solution
H ₅ (BO ₃) ₂ ⁻	solution
H ₈ (BO ₃) ₃ ⁻	solution
AgH ₂ B ₃ (aq)	solution
MgH ₂ B ₃ ⁺	solution
CaH ₂ B ₃ ⁺	solution
SrH ₂ B ₃ ⁺	solution
BaH ₂ B ₃ ⁺	solution
NaH ₂ B ₃ (aq)	solution
HCrO ₄ ⁻	solution
H ₂ CrO ₄ (aq)	solution

Cr2O7-2	solution
CrO3Cl-	solution
CrO3SO4-2	solution
CrO3H2PO4-	solution
CrO3HPO4-2	solution
NaCrO4-	solution
KCrO4-	solution
HMoO4-	solution
H2MoO4 (aq)	solution
Mo7O24-6	solution
HMo7O24-5	solution
H2Mo7O24-4	solution
H3Mo7O24-3	solution
AlMo6O21-3	solution
Ag2MoO4 (aq)	solution
VO4-3	solution
HVO4-2	solution
H2VO4-	solution
H3VO4 (aq)	solution
V2O7-4	solution
HV2O7-3	solution
H3V2O7-	solution
V3O9-3	solution
V4O12-4	solution
V10O28 -6	solution
HV10O28 -5	solution
H2V10O28-4	solution
H[Benzoate]	solution
Pb[Benzoate]	solution
Al[Benzoate]	solution
AlOH[Benzoate]	solution
Zn[Benzoate]	solution
Cd[Benzoate]	solution
Cd[Benzoate]2	solution
Cu[Benzoate]	solution
Ag[Benzoate]	solution
Ni[Benzoate]	solution
Co[Benzoate]	solution
Mn[Benzoate]	solution
Mg[Benzoate]	solution
Ca[Benzoate]	solution
H[Phenylacetate]	solution
Zn[Phenylacetate]	solution
Cu[Phenylacetate]	solution
Co[Phenylacetate]	solution
Co[Phenylacetate]2	solution
H[Isophthalate]	solution
H2[Isophthalate]	solution
Pb[Isophthalate]	solution
Pb[Isophthalate]2	solution
PbH[Isophthalate]	solution
Cd[Isophthalate]	solution
Cd[Isophthalate]2	solution
CdH[Isophthalate]	solution
Ca[Isophthalate]	solution
Ba[Isophthalate]	solution
H[Diethylamine]	solution
Zn[Diethylamine]	solution
Zn[Diethylamine]2	solution
Zn[Diethylamine]3	solution

Zn[Diethylamine]4	solution
Cd[Diethylamine]	solution
Cd[Diethylamine]2	solution
Cd[Diethylamine]3	solution
Cd[Diethylamine]4	solution
Ag[Diethylamine]	solution
Ag[Diethylamine]2	solution
Ni[Diethylamine]	solution
Ni[Diethylamine]2	solution
Ni[Diethylamine]3	solution
Ni[Diethylamine]4	solution
Ni[Diethylamine]5	solution
H[Butylamine]	solution
Hg[Butylamine]	solution
Hg[Butylamine]2	solution
Hg[Butylamine]3	solution
Hg[Butylamine]4	solution
Ag[Butylamine]	solution
Ag[Butylamine]2	solution
H[Methylamine]	solution
Cd[Methylamine]	solution
Cd[Methylamine]2	solution
Cd[Methylamine]3	solution
Cd[Methylamine]4	solution
Hg[Methylamine]	solution
Hg[Methylamine]2	solution
Hg[Methylamine]3	solution
Hg[Methylamine]4	solution
Cu[Methylamine]	solution
Cu[Methylamine]2	solution
Cu[Methylamine]3	solution
Cu[Methylamine]4	solution
Ag[Methylamine]	solution
Ag[Methylamine]2	solution
Ni[Methylamine]	solution
H[Dimethylamine]	solution
Ag[Dimethylamine]2	solution
Ni[Dimethylamine]	solution
H[Hexylamine]	solution
Ag[Hexylamine]	solution
Ag[Hexylamine]2	solution
H[Ethylenediamine]	solution
H2[Ethylenediamine]	solution
Pb[Ethylenediamine]	solution
Pb[Ethylenediamine]2	solution
Zn[Ethylenediamine]	solution
Zn[Ethylenediamine]2	solution
Zn[Ethylenediamine]3	solution
Cd[Ethylenediamine]	solution
Cd[Ethylenediamine]2	solution
Cd[Ethylenediamine]3	solution
Hg[Ethylenediamine]	solution
Hg[Ethylenediamine]2	solution
HgH[Ethylenediamine]2	solution
Cu[Ethylenediamine]2	solution
Cu[Ethylenediamine]	solution
Cu[Ethylenediamine]2	solution
Ag[Ethylenediamine]	solution
Ag[Ethylenediamine]2	solution
AgH[Ethylenediamine]	solution

Ag2[Ethylenediamine] solution
Ag2[Ethylenediamine]2 solution
Ag[HEthylenediamine]2 solution
AgH[Ethylenediamine]2 solution
Ni[Ethylenediamine] solution
Ni[Ethylenediamine]2 solution
Ni[Ethylenediamine]3 solution
Co[Ethylenediamine] solution
Co[Ethylenediamine]2 solution
Co[Ethylenediamine]3 solution
Co[Ethylenediamine]2 solution
Co[Ethylenediamine]3 solution
Fe[Ethylenediamine] solution
Fe[Ethylenediamine]2 solution
Fe[Ethylenediamine]3 solution
Mn[Ethylenediamine] solution
Mn[Ethylenediamine]2 solution
Cr[Ethylenediamine]2 solution
Cr[Ethylenediamine]3 solution
Mg[Ethylenediamine] solution
Ca[Ethylenediamine] solution
H[Propylamine] solution
Zn[Propylamine] solution
Zn[Propylamine]2 solution
Zn[Propylamine]3 solution
Zn[Propylamine]4 solution
Cd[Propylamine] solution
Cd[Propylamine]2 solution
Cd[Propylamine]3 solution
Ag[Propylamine] solution
Ag[Propylamine]2 solution
Ni[Propylamine] solution
Ni[Propylamine]2 solution
Ni[Propylamine]3 solution
Ni[Propylamine]4 solution
H[Isopropylamine] solution
Zn[Isopropylamine] solution
Zn[Isopropylamine]2 solution
Zn[Isopropylamine]3 solution
Zn[Isopropylamine]4 solution
Cd[Isopropylamine] solution
Cd[Isopropylamine]2 solution
Cd[Isopropylamine]3 solution
Cd[Isopropylamine]4 solution
Hg[Isopropylamine] solution
Hg[Isopropylamine]2 solution
Ag[Isopropylamine] solution
Ag[Isopropylamine]2 solution
Ni[Isopropylamine] solution
Ni[Isopropylamine]2 solution
Ni[Isopropylamine]3 solution
Ni[Isopropylamine]4 solution
Ni[Isopropylamine]5 solution
H[Trimethylamine] solution
Ag[Trimethylamine] solution
H[Citrate] solution
H2[Citrate] solution
H3[Citrate] solution
Pb[Citrate] solution
Pb[Citrate]2 solution

Al[Citrate]	solution
Al[Citrate]2	solution
AlH[Citrate]	solution
Tl[Citrate]	solution
Zn[Citrate]	solution
Zn[Citrate]2	solution
ZnH[Citrate]	solution
ZnH2[Citrate]	solution
Cd[Citrate]	solution
CdH[Citrate]	solution
CdH2[Citrate]	solution
Cd[Citrate]2	solution
Hg[Citrate]	solution
Cu[Citrate]	solution
Cu[Citrate]2	solution
CuH[Citrate]	solution
CuH2[Citrate]	solution
Cu2[Citrate]2	solution
Ni[Citrate]	solution
NiH[Citrate]	solution
NiH2[Citrate]	solution
Ni[Citrate]2	solution
NiH[Citrate]2	solution
Co[Citrate]	solution
CoHCitrate]	solution
CoH2Citrate]	solution
Fe[Citrate]	solution
FeH[Citrate]	solution
Fe[Citrate]	solution
FeH[Citrate]	solution
Mn[Citrate]	solution
MnH[Citrate]	solution
Be[Citrate]	solution
BeH[Citrate]	solution
Ca[Citrate]	solution
CaH[Citrate]	solution
CaH2[Citrate]	solution
Mg[Citrate]	solution
MgH[Citrate]	solution
MgH2[Citrate]	solution
Sr[Citrate]	solution
SrH[Citrate]	solution
SrH2[Citrate]	solution
Ba[Citrate]	solution
BaH[Citrate]	solution
BaH2[Citrate]	solution
Na[Citrate]	solution
Na2[Citrate]	solution
NaH[Citrate]	solution
K[Citrate]	solution
H[NTA]	solution
H2[NTA]	solution
H3[NTA]	solution
H4[NTA]	solution
Pb[NTA]	solution
PbH[NTA]	solution
Al[NTA]	solution
AlH[NTA]	solution
AlOH[NTA]	solution
Tl[NTA]	solution

Zn[NTA]	solution
Zn[NTA]2	solution
ZnOH[NTA]	solution
Cd[NTA]	solution
Cd[NTA]2	solution
CdOH[NTA]	solution
Hg[NTA]	solution
Cu[NTA]	solution
Cu[NTA]2	solution
CuH[NTA]	solution
CuOH[NTA]	solution
Ag[NTA]	solution
Ni[NTA]	solution
Ni[NTA]2	solution
NiOH[NTA]	solution
Co[NTA]	solution
Co[NTA]2	solution
CoOH[NTA]	solution
Fe[NTA]	solution
Fe[NTA]2	solution
FeH[NTA]	solution
FeOH[NTA]	solution
Fe[NTA]	solution
Fe[NTA]2	solution
FeOH[NTA]	solution
Mn[NTA]	solution
Mn[NTA]2	solution
Cr[NTA]	solution
Cr[NTA]2	solution
MoO3[NTA]	solution
MoO3H[NTA]	solution
MoO3H2[NTA]	solution
Be[NTA]	solution
Mg[NTA]	solution
Ca[NTA]	solution
Ca[NTA]2	solution
Sr[NTA]	solution
Ba[NTA]	solution
H[EDTA]	solution
H2[EDTA]	solution
H3[EDTA]	solution
H4[EDTA]	solution
H5[EDTA]	solution
Sn[EDTA]	solution
SnH[EDTA]	solution
SnH2[EDTA]	solution
Pb[EDTA]	solution
PbH[EDTA]	solution
PbH2[EDTA]	solution
Al[EDTA]	solution
AlH[EDTA]	solution
AlOH[EDTA]	solution
Tl[EDTA]	solution
TlH[EDTA]	solution
Zn[EDTA]	solution
ZnH[EDTA]	solution
ZnOH[EDTA]	solution
Cd[EDTA]	solution
CdH[EDTA]	solution
Hg[EDTA]	solution

HgH[EDTA]	solution
Cu[EDTA]	solution
CuH[EDTA]	solution
CuH ₂ [EDTA]	solution
CuOH[EDTA]	solution
Ag[EDTA]	solution
AgH[EDTA]	solution
Ni[EDTA]	solution
NiH[EDTA]	solution
NiOH[EDTA]	solution
Co[EDTA]	solution
CoH[EDTA]	solution
CoH ₂ [EDTA]	solution
Co[EDTA]	solution
CoH[EDTA]	solution
Fe[EDTA]	solution
FeH[EDTA]	solution
FeOH[EDTA]	solution
Fe(OH) ₂ [EDTA]	solution
Fe[EDTA]	solution
FeH[EDTA]	solution
FeOH[EDTA]	solution
Fe(OH) ₂ [EDTA]	solution
Mn[EDTA]	solution
MnH[EDTA]	solution
Cr[EDTA]	solution
CrH[EDTA]	solution
Cr[EDTA]	solution
CrH[EDTA]	solution
CrOH[EDTA]	solution
Be[EDTA]	solution
Mg[EDTA]	solution
MgH[EDTA]	solution
Ca[EDTA]	solution
CaH[EDTA]	solution
Sr[EDTA]	solution
SrH[EDTA]	solution
Ba[EDTA]	solution
Na[EDTA]	solution
K[EDTA]	solution
H[Propionate]	solution
Pb[Propionate]	solution
Pb[Propionate] ₂	solution
Zn[Propionate]	solution
Zn[Propionate] ₂	solution
Cd[Propionate]	solution
Cd[Propionate] ₂	solution
Hg[Propionate]	solution
Cu[Propionate]	solution
Cu[Propionate] ₂	solution
Ni[Propionate]	solution
Co[Propionate]	solution
Co[Propionate] ₂	solution
Fe[Propionate]	solution
Cr[Propionate]	solution
Cr[Propionate] ₂	solution
Cr[Propionate] ₃	solution
Mg[Propionate]	solution
Ca[Propionate]	solution
Sr[Propionate]	solution

Ba[Propionate]	solution
Ba[Propionate]2	solution
H[Butyrate]	solution
Pb[Butyrate]	solution
Zn[Butyrate]	solution
Hg[Butyrate]	solution
Cu[Butyrate]	solution
Ni[Butyrate]	solution
Co[Butyrate]	solution
Co[Butyrate]2	solution
Mg[Butyrate]	solution
Ca[Butyrate]	solution
Sr[Butyrate]	solution
Ba[Butyrate]	solution
Ba[Butyrate]2	solution
H[Isobutyrate]	solution
Zn[Isobutyrate]	solution
Cu[Isobutyrate]	solution
Cu[Isobutyrate]2	solution
Fe[Isobutyrate]	solution
Ca[Isobutyrate]	solution
H[2-Picoline]	solution
Cu[2-Picoline]	solution
Cu[2-Picoline]2	solution
Cu[2-Picoline]	solution
Cu[2-Picoline]2	solution
Cu[2-Picoline]3	solution
Ag[2-Picoline]	solution
Ag[2-Picoline]2	solution
Ni[2-Picoline]	solution
H[3-Picoline]	solution
Zn[3-Picoline]	solution
Zn[3-Picoline]2	solution
Zn[3-Picoline]3	solution
Zn[3-Picoline]4	solution
Cd[3-Picoline]	solution
Cd[3-Picoline]2	solution
Cd[3-Picoline]3	solution
Cd[3-Picoline]4	solution
Cu[3-Picoline]	solution
Cu[3-Picoline]2	solution
Cu[3-Picoline]3	solution
Cu[3-Picoline]4	solution
Cu[3-Picoline]	solution
Cu[3-Picoline]2	solution
Cu[3-Picoline]3	solution
Cu[3-Picoline]4	solution
Ag[3-Picoline]	solution
Ag[3-Picoline]2	solution
Ni[3-Picoline]	solution
Ni[3-Picoline]2	solution
Ni[3-Picoline]3	solution
Ni[3-Picoline]4	solution
Co[3-Picoline]	solution
Co[3-Picoline]2	solution
Co[3-Picoline]3	solution
H[4-Picoline]	solution
Zn[4-Picoline]	solution
Zn[4-Picoline]2	solution
Zn[4-Picoline]3	solution

Cd[4-Picoline]	solution
Cd[4-Picoline]2	solution
Cd[4-Picoline]3	solution
Cd[4-Picoline]4	solution
Cu[4-Picoline]	solution
Cu[4-Picoline]2	solution
Cu[4-Picoline]3	solution
Cu[4-Picoline]4	solution
Cu[4-Picoline]	solution
Cu[4-Picoline]2	solution
Cu[4-Picoline]3	solution
Cu[4-Picoline]4	solution
Cu[4-Picoline]5	solution
Ag[4-Picoline]	solution
Ag[4-Picoline]2	solution
Ni[4-Picoline]	solution
Ni[4-Picoline]2	solution
Ni[4-Picoline]3	solution
Ni[4-Picoline]4	solution
Co[4-Picoline]	solution
Co[4-Picoline]2	solution
Co[4-Picoline]3	solution
Co[4-Picoline]4	solution
H[Formate]	solution
Pb[Formate]	solution
Zn[Formate]	solution
Cd[Formate]	solution
Hg[Formate]	solution
Cu[Formate]	solution
Ni[Formate]	solution
Co[Formate]	solution
Co[Formate]2	solution
Cr[Formate]	solution
Mg[Formate]	solution
Ca[Formate]	solution
Sr[Formate]	solution
Ba[Formate]	solution
H[Isovalerate]	solution
Zn[Isovalerate]	solution
Cu[Isovalerate]	solution
Ca[Isovalerate]	solution
H[Valerate]	solution
Cu[Valerate]	solution
Ca[Valerate]	solution
Ba[Valerate]	solution
H[Acetate]	solution
Sn[Acetate]	solution
Sn[Acetate]2	solution
Sn[Acetate]3	solution
Pb[Acetate]	solution
Pb[Acetate]2	solution
Tl[Acetate]	solution
Zn[Acetate]	solution
Zn[Acetate]2	solution
Cd[Acetate]	solution
Cd[Acetate]2	solution
Hg[Acetate]	solution
Hg[Acetate]2	solution
Cu[Acetate]	solution
Cu[Acetate]2	solution

Cu[Acetate]3	solution
Ag[Acetate]	solution
Ag[Acetate]2	solution
Ni[Acetate]	solution
Ni[Acetate]2	solution
Co[Acetate]	solution
Co[Acetate]2	solution
Fe[Acetate]	solution
Fe[Acetate]	solution
Fe[Acetate]2	solution
Fe[Acetate]3	solution
Mn[Acetate]	solution
Cr[Acetate]	solution
Cr[Acetate]2	solution
Cr[Acetate]	solution
Cr[Acetate]2	solution
Cr[Acetate]3	solution
Be[Acetate]	solution
Be[Acetate]2	solution
Mg[Acetate]	solution
Ca[Acetate]	solution
Sr[Acetate]	solution
Ba[Acetate]	solution
Na[Acetate]	solution
K[Acetate]	solution
H[Tartarate]	solution
H2[Tartarate]	solution
Sn[Tartarate]	solution
Pb[Tartarate]	solution
Al[Tartarate]2	solution
Tl[Tartarate]	solution
TlH[Tartarate]	solution
Zn[Tartarate]	solution
Zn[Tartarate]2	solution
ZnH[Tartarate]	solution
Cd[Tartarate]	solution
Cd[Tartarate]2	solution
Hg[Tartarate]	solution
Cu[Tartarate]	solution
CuH[Tartarate]	solution
Ni[Tartarate]	solution
NiH[Tartarate]	solution
Co[Tartarate]	solution
Co[Tartarate]2	solution
CoH[Tartarate]	solution
Fe[Tartarate]	solution
Fe[Tartarate]	solution
Mn[Tartarate]	solution
MnH[Tartarate]	solution
Mg[Tartarate]	solution
MgH[Tartarate]	solution
Be[Tartarate]	solution
Be[Tartarate]2	solution
Ca[Tartarate]	solution
CaH[Tartarate]	solution
Sr[Tartarate]	solution
SrH[Tartarate]	solution
Ba[Tartarate]	solution
BaH[Tartarate]	solution
Na[Tartarate]	solution

NaH[Tartarate]	solution
K[Tartarate]	solution
H[Glycine]	solution
H2[Glycine]	solution
Pb[Glycine]	solution
Pb[Glycine]2	solution
Tl[Glycine]	solution
Zn[Glycine]	solution
Zn[Glycine]2	solution
Zn[Glycine]3	solution
Cd[Glycine]	solution
Cd[Glycine]2	solution
Cd[Glycine]3	solution
Hg[Glycine]	solution
Hg[Glycine]2	solution
Cu[Glycine]2	solution
Cu[Glycine]	solution
Cu[Glycine]2	solution
Ag[Glycine]	solution
Ag[Glycine]2	solution
Ni[Glycine]	solution
Ni[Glycine]2	solution
Ni[Glycine]3	solution
Co[Glycine]	solution
Co[Glycine]2	solution
Co[Glycine]3	solution
CoOH[Glycine]	solution
Fe[Glycine]	solution
Fe[Glycine]2	solution
Fe[Glycine]	solution
FeH[Glycine]	solution
Mn[Glycine]	solution
Mn[Glycine]2	solution
Cr[Glycine]	solution
Cr[Glycine]2	solution
Cr[Glycine]3	solution
Mg[Glycine]	solution
Ca[Glycine]	solution
CaH[Glycine]	solution
Sr[Glycine]	solution
Ba[Glycine]	solution
H[Salicylate]	solution
H2[Salicylate]	solution
Zn[Salicylate]	solution
ZnH[Salicylate]	solution
Cd[Salicylate]	solution
CdH[Salicylate]	solution
Cu[Salicylate]	solution
Cu[Salicylate]2	solution
CuH[Salicylate]	solution
Ni[Salicylate]	solution
Ni[Salicylate]2	solution
Co[Salicylate]	solution
Co[Salicylate]2	solution
Fe[Salicylate]	solution
Fe[Salicylate]2	solution
Fe[Salicylate]	solution
Fe[Salicylate]2	solution
Mn[Salicylate]	solution
Mn[Salicylate]2	solution

Be[Salicylate]	solution
Be[Salicylate]2	solution
Mg[Salicylate]	solution
MgH[Salicylate]	solution
Ca[Salicylate]	solution
CaH[Salicylate]	solution
BaH[Salicylate]	solution
H[Glutamate]	solution
H2[Glutamate]	solution
H3[Glutamate]	solution
Pb[Glutamate]	solution
Pb[Glutamate]2	solution
PbH[Glutamate]	solution
AlH[Glutamate]	solution
Zn[Glutamate]	solution
Zn[Glutamate]2	solution
Zn[Glutamate]3	solution
Cd[Glutamate]	solution
Cd[Glutamate]2	solution
Hg[Glutamate]	solution
Hg[Glutamate]2	solution
Cu[Glutamate]	solution
Cu[Glutamate]2	solution
CuH[Glutamate]	solution
Ag[Glutamate]	solution
Ag[Glutamate]2	solution
Ag2[Glutamate]	solution
Ni[Glutamate]	solution
Ni[Glutamate]2	solution
Co[Glutamate]	solution
Co[Glutamate]2	solution
Mn[Glutamate]	solution
Mn[Glutamate]2	solution
Cr[Glutamate]	solution
Cr[Glutamate]2	solution
CrH[Glutamate]	solution
Mg[Glutamate]	solution
Ca[Glutamate]	solution
CaH[Glutamate]	solution
Sr[Glutamate]	solution
Ba[Glutamate]	solution
H[Phthalate]	solution
H2[Phthalate]	solution
Pb[Phthalate]	solution
Pb[Phthalate]2	solution
PbH[Phthalate]	solution
Al[Phthalate]	solution
Al[Phthalate]2	solution
Zn[Phthalate]	solution
Zn[Phthalate]2	solution
Cd[Phthalate]	solution
CdH[Phthalate]	solution
Cd[Phthalate]2	solution
Cu[Phthalate]	solution
CuH[Phthalate]	solution
Cu[Phthalate]2	solution
Ni[Phthalate]	solution
NiH[Phthalate]	solution
Co[Phthalate]	solution
CoH[Phthalate]	solution

Mn[Phthalate]	solution
Cr[Phthalate]	solution
Cr[Phthalate]2	solution
Cr[Phthalate]3	solution
Be[Phthalate]	solution
Be[Phthalate]2	solution
Mg[Phthalate]	solution
Ca[Phthalate]	solution
CaH[Phthalate]	solution
Ba[Phthalate]	solution
Na[Phthalate]	solution
K[Phthalate]	solution
Sulfur	solid
Se metal (hex,blk)	solid
Se metal (am)	solid
Sb metal	solid
Sn metal (wht)	solid
Pb metal	solid
Tl metal	solid
Zn metal	solid
Cd metal (alpha)	solid
Cd metal (gamma)	solid
Hg metal (l)	solid
Cu metal	solid
Ag metal	solid
Cr metal	solid
V metal	solid
STIBNITE	solid
ORPIMENT	solid
REALGAR	solid
SnS	solid
SnS2	solid
GALENA	solid
Tl2S	solid
ZnS (am)	solid
SPHALERITE	solid
WURTZITE	solid
GREENOCKITE	solid
Hg2S	solid
CINNABAR	solid
METACINNABAR	solid
CHALCOCITE	solid
DJURLEITE	solid
ANILITE	solid
BLAUBLEI II	solid
BLAUBLEI I	solid
COVELLITE	solid
CHALCOPYRITE	solid
ACANTHITE	solid
NiS (alpha)	solid
NiS (beta)	solid
NiS (gamma)	solid
CoS (alpha)	solid
CoS (beta)	solid
FeS (ppt)	solid
GREIGITE	solid
MACKINAWITE	solid
PYRITE	solid
MnS (grn)	solid
MnS (pnk)	solid

MoS2	solid
BeS	solid
BaS	solid
Hg2(CN)2	solid
CuCN	solid
AgCN	solid
Ag2(CN)2	solid
NaCN (cubic)	solid
KCN (cubic)	solid
Pb2Fe(CN)6	solid
Zn2Fe(CN)6	solid
Cd2Fe(CN)6	solid
Ag4Fe(CN)6	solid
Ag3Fe(CN)6	solid
Mn3[Fe(CN)6]2	solid
Sb2Se3	solid
SnSe	solid
SnSe2	solid
CLAUSTHALITE	solid
Tl2Se	solid
ZnSe	solid
CdSe	solid
HgSe	solid
Cu2Se (alpha)	solid
Cu3Se2	solid
CuSe	solid
CuSe2	solid
Ag2Se	solid
NiSe	solid
CoSe	solid
FeSe	solid
FERROSELITE	solid
MnSe	solid
AlSb	solid
ZnSb	solid
CdSb	solid
Cu2Sb·3H2O	solid
Cu3Sb	solid
Ag4Sb	solid
BREITHAAPTITE	solid
MnSb	solid
Mn2Sb	solid
USb2	solid
U3Sb4	solid
Mg2Sb3	solid
Ca3Sb2	solid
NaSb	solid
Na3Sb	solid
SeO2	solid
SeO3	solid
Sb2O5	solid
SbO2	solid
Sb2O4	solid
Sb4O6 (cubic)	solid
Sb4O6 (orth)	solid
Sb(OH)3	solid
SENARMONTITE	solid
VALENTINITE	solid
CHALCEDONY	solid
CRISTOBALITE	solid

QUARTZ	solid
SiO2 (am,gel)	solid
SiO2 (am,ppt)	solid
SnO	solid
SnO2	solid
Sn(OH)2	solid
Sn(OH)4	solid
H2Sn(OH)6	solid
MASSICOT	solid
LITHARGE	solid
PbO:0.3H2O	solid
PLATTNERITE	solid
Pb(OH)2	solid
Pb2O(OH)2	solid
Al(OH)3 (am)	solid
BOEHMITE	solid
DIASPORE	solid
GIBBSITE	solid
Tl2O	solid
TlOH	solid
AVICENNITE	solid
Tl(OH)3	solid
Zn(OH)2 (am)	solid
Zn(OH)2	solid
Zn(OH)2 (beta)	solid
Zn(OH)2 (gamma)	solid
Zn(OH)2 (epsilon)	solid
ZnO (active)	solid
ZINCITE	solid
Cd(OH)2 (am)	solid
Cd(OH)2	solid
MONTEPONITE	solid
Hg2(OH)2	solid
MONTROYDITE	solid
Hg(OH)2	solid
CUPRITE	solid
Cu(OH)2	solid
TENORITE	solid
Ag2O	solid
Ni(OH)2	solid
BUNSENITE	solid
CoO	solid
Co(OH)2	solid
Co(OH)3	solid
WUSTITE	solid
Fe(OH)2	solid
FERRIHYDRITE	solid
Fe3(OH)8	solid
GOETHITE	solid
PYROLUSITE	solid
BIRNESSITE	solid
NSUTITE	solid
PYROCHROITE	solid
MANGANITE	solid
Cr(OH)2	solid
Cr(OH)3 (am)	solid
Cr(OH)3	solid
CrO3	solid
MoO3	solid
VO	solid

V(OH)3	solid
VO(OH)2	solid
URANINITE	solid
UO2 (am)	solid
UO3	solid
GUMMITE	solid
UO2(OH)2 (beta)	solid
SCHOEPITE	solid
Be(OH)2 (am)	solid
Be(OH)2 (alpha)	solid
Be(OH)2 (beta)	solid
BRUCITE	solid
PERICLASE	solid
Mg(OH)2 (active)	solid
LIME	solid
PORTLANDITE	solid
Ba(OH)2·8H2O	solid
Cu(SbO3)2	solid
ARSENOLITE	solid
CLAUDETITE	solid
As2O5	solid
Pb2O3	solid
MINIUM	solid
Al2O3	solid
Co3O4	solid
CoFe2O4	solid
MAGNETITE	solid
HERCYNITE	solid
HEMATITE	solid
MAGHEMITE	solid
LEPIDOCROCITE	solid
HAUSMANNITE	solid
BIXBYITE	solid
Cr2O3	solid
V2O3	solid
V3O5	solid
V2O4	solid
V4O7	solid
V6O13	solid
V2O5	solid
U4O9	solid
U3O8	solid
SPINEL	solid
MAGNESIOFERRITE	solid
NATRON	solid
CUPROUS FERRITE	solid
CUPRIC FERRITE	solid
FeCr2O4	solid
MgCr2O4	solid
SbF3	solid
PbF2	solid
ZnF2	solid
CdF2	solid
Hg2F2	solid
CuF	solid
CuF2	solid
CuF2·2H2O	solid
AgF·4H2O	solid
CoF2	solid
CoF3	solid

CrF3	solid
VF4	solid
UF4	solid
UF4:2.5H2O	solid
MgF2	solid
FLUORITE	solid
SrF2	solid
BaF2	solid
CRYOLITE	solid
SbCl3	solid
SnCl2	solid
COTUNNITE	solid
MATLOCKITE	solid
PHOSGENITE	solid
LAURIONITE	solid
Pb2(OH)3Cl	solid
TlCl	solid
ZnCl2	solid
Zn2(OH)3Cl	solid
Zn5(OH)8Cl2	solid
CdCl2	solid
CdCl2:1H2O	solid
CdCl2:2.5H2O	solid
CdOHCl	solid
CALOMEL	solid
HgCl2	solid
NANTOKITE	solid
MELANOTHALLITE	solid
ATACAMITE	solid
CERARGYRITE	solid
CoCl2	solid
CoCl2:6H2O	solid
[Co(NH3)6]Cl3	solid
[Co(NH3)5OH2]Cl3	solid
[Co(NH3)5Cl]Cl2	solid
Fe(OH)2.7Cl.3	solid
MnCl2:4H2O	solid
CrCl2	solid
CrCl3	solid
VCl2	solid
VCl3	solid
VOCl	solid
VOCl2	solid
VO2Cl	solid
HALITE	solid
SbBr3	solid
SnBr2	solid
SnBr4	solid
PbBr2	solid
PbBrF	solid
TlBr	solid
ZnBr2:2H2O	solid
CdBr2:4H2O	solid
Hg2Br2	solid
HgBr2	solid
CuBr	solid
Cu2(OH)3Br	solid
BROMYRITE	solid
[Co(NH3)6]Br3	solid
[Co(NH3)5Cl]Br2	solid

CrBr3	solid
AsI3	solid
SbI3	solid
PbI2	solid
TlI	solid
ZnI2	solid
CdI2	solid
Hg2I2	solid
COCCINITE	solid
HgI2:2NH3	solid
HgI2:6NH3	solid
CuI	solid
IODYRITE	solid
[Co(NH3)6]I3	solid
[Co(NH3)5Cl]I2	solid
CrI3	solid
CERRUSITE	solid
Pb2OCO3	solid
Pb3O2CO3	solid
HYDROCERRUSITE	solid
Pb10(OH)6O(CO3)6	solid
Tl2CO3	solid
SMITHSONITE	solid
ZnCO3:1H2O	solid
OTAVITE	solid
Hg2CO3	solid
Hg3O2CO3	solid
CuCO3	solid
MALACHITE	solid
AZURITE	solid
Ag2CO3	solid
NiCO3	solid
CoCO3	solid
SIDERITE	solid
RHODOCHROSITE	solid
RUTHERFORDINE	solid
ARTINITE	solid
HYDROMAGNESITE	solid
MAGNESITE	solid
NESQUEHONITE	solid
ARAGONITE	solid
CALCITE	solid
DOLOMITE (ordered)	solid
DOLOMITE (disordered)	solid
HUNTITE	solid
STRONTIANITE	solid
WITHERITE	solid
THERMONATRITE	solid
TlNO3	solid
Zn(NO3)2:6H2O	solid
Cu2(OH)3NO3	solid
[Co(NH3)6](NO3)3	solid
[Co(NH3)5Cl](NO3)2	solid
UO2(NO3)2	solid
UO2(NO3)2:2H2O	solid
UO2(NO3)2:3H2O	solid
UO2(NO3)2:6H2O	solid
Pb(BO2)2	solid
Zn(BO2)2	solid
Cd(BO2)2	solid

Co(BO2)2	solid
SnSO4	solid
Sn(SO4)2	solid
LARNAKITE	solid
Pb3O2SO4	solid
Pb4O3SO4	solid
ANGLESITE	solid
Pb4(OH)6SO4	solid
AlOHSO4	solid
Al4(OH)10SO4	solid
Tl2SO4	solid
Zn2(OH)2SO4	solid
Zn4(OH)6SO4	solid
Zn3O(SO4)2	solid
ZINCOSITE	solid
ZnSO4:1H2O	solid
BIANCHITE	solid
GOSLARITE	solid
Cd3(OH)4SO4	solid
Cd3OH2(SO4)2	solid
Cd4(OH)6SO4	solid
CdSO4	solid
CdSO4:1H2O	solid
CdSO4:2.67H2O	solid
Hg2SO4	solid
HgSO4	solid
Cu2SO4	solid
ANTLERITE	solid
BROCHANTITE	solid
LANGITE	solid
CuOCuSO4	solid
CuSO4	solid
CHALCANTHITE	solid
Ag2SO4	solid
Ni4(OH)6SO4	solid
RETGERSITE	solid
MORENOSITE	solid
CoSO4	solid
CoSO4:6H2O	solid
MELANTERITE	solid
Fe2(SO4)3	solid
H-JAROSITE	solid
Na-JAROSITE	solid
K-JAROSITE	solid
MnSO4	solid
Mn2(SO4)3	solid
VOSO4	solid
EPSOMITE	solid
ANHYDRITE	solid
GYPSUM	solid
CELESTITE	solid
BARITE	solid
MIRABILITE	solid
THENARDITE	solid
K-ALUM	solid
ALUNITE	solid
(NH4)2CrO4	solid
PbCrO4	solid
Tl2CrO4	solid
Hg2CrO4	solid

CuCrO4	solid
Ag2CrO4	solid
MgCrO4	solid
CaCrO4	solid
SrCrO4	solid
BaCrO4	solid
Li2CrO4	solid
Na2CrO4	solid
Na2Cr2O7	solid
K2CrO4	solid
K2Cr2O7	solid
Hg2SeO3	solid
HgSeO3	solid
Ag2SeO3	solid
CuSeO3·2H2O	solid
NiSeO3·2H2O	solid
CoSeO3	solid
Fe2(SeO3)3·2H2O	solid
Fe2(OH)4SeO3	solid
MnSeO3	solid
MnSeO3·2H2O	solid
MgSeO3·6H2O	solid
CaSeO3·2H2O	solid
SrSeO3	solid
BaSeO3	solid
Na2SeO3·5H2O	solid
PbSeO4	solid
Tl2SeO4	solid
ZnSeO4·6H2O	solid
CdSeO4·2H2O	solid
Ag2SeO4	solid
CuSeO4·5H2O	solid
NiSeO4·6H2O	solid
CoSeO4·6H2O	solid
MnSeO4·5H2O	solid
UO2SeO4·4H2O	solid
MgSeO4·6H2O	solid
CaSeO4·2H2O	solid
SrSeO4	solid
BaSeO4	solid
BeSeO4·4H2O	solid
Na2SeO4	solid
K2SeO4	solid
(NH4)2SeO4	solid
H2MoO4	solid
PbMoO4	solid
Al2(MoO4)3	solid
Tl2MoO4	solid
ZnMoO4	solid
CdMoO4	solid
CuMoO4	solid
Ag2MoO4	solid
NiMoO4	solid
CoMoO4	solid
FeMoO4	solid
BeMoO4	solid
MgMoO4	solid
CaMoO4	solid
BaMoO4	solid
Li2MoO4	solid

Na ₂ MoO ₄	solid
Na ₂ MoO ₄ ·2H ₂ O	solid
Na ₂ Mo ₂ O ₇	solid
K ₂ MoO ₄	solid
PbHPO ₄	solid
Pb ₃ (PO ₄) ₂	solid
PYROMORPHITE	solid
HYDROXYLPYROMORPHITE	solid
PLUMBGUMMITE	solid
HINSDALITE	solid
TSUMEBITE	solid
Zn ₃ (PO ₄) ₂ ·4H ₂ O	solid
Cd ₃ (PO ₄) ₂	solid
Hg ₂ HPO ₄	solid
Cu ₃ (PO ₄) ₂	solid
Cu ₃ (PO ₄) ₂ ·3H ₂ O	solid
Ag ₃ PO ₄	solid
Ni ₃ (PO ₄) ₂	solid
CoHPO ₄	solid
Co ₃ (PO ₄) ₂	solid
VIVIANITE	solid
STRENGITE	solid
Mn ₃ (PO ₄) ₂	solid
MnHPO ₄	solid
(VO) ₃ (PO ₄) ₂	solid
Mg ₃ (PO ₄) ₂	solid
MgHPO ₄ ·3H ₂ O	solid
FCO ₃ APATITE	solid
HYDROXYLAPATITE	solid
CaHPO ₄ ·2H ₂ O	solid
CaHPO ₄	solid
Ca ₃ (PO ₄) ₂ (beta)	solid
Ca ₄ H(PO ₄) ₃ ·3H ₂ O	solid
SrHPO ₄	solid
BaHPO ₄	solid
U(HPO ₄) ₂ ·4H ₂ O	solid
(UO ₂) ₃ (PO ₄) ₂	solid
UO ₂ HPO ₄	solid
URAMPHITE	solid
PRZHEVALSKITE	solid
TORBERNITE	solid
BASSETITE	solid
SALEEITE	solid
NINGYOITE	solid
H-AUTUNITE	solid
AUTUNITE	solid
Sr-AUTUNITE	solid
Na-AUTUNITE	solid
K-AUTUNITE	solid
URANOCIRCITE	solid
Pb ₃ (AsO ₄) ₂	solid
AlAsO ₄ ·2H ₂ O	solid
Zn ₃ AsO ₄ ·2.5H ₂ O	solid
Cu ₃ (AsO ₄) ₂ ·2H ₂ O	solid
Ag ₃ AsO ₃	solid
Ag ₃ AsO ₄	solid
Ni ₃ (AsO ₄) ₂ ·8H ₂ O	solid
Co ₃ (AsO ₄) ₂	solid
FeAsO ₄ ·2H ₂ O	solid
Mn ₃ (AsO ₄) ₂ ·8H ₂ O	solid

Ca ₃ (AsO ₄) ₂ ·4H ₂ O	solid
Ba ₃ (AsO ₄) ₂	solid
NH ₄ VO ₃	solid
Pb ₃ (VO ₄) ₂	solid
Pb ₂ V ₂ O ₇	solid
AgVO ₃	solid
Ag ₂ HVO ₄	solid
Ag ₃ H ₂ VO ₅	solid
Fe(VO ₃) ₂	solid
Mn(VO ₃) ₂	solid
Mg(VO ₃) ₂	solid
Mg ₂ V ₂ O ₇	solid
CARNOTITE	solid
TYUYAMUNITE	solid
Ca(VO ₃) ₂	solid
Ca ₃ (VO ₄) ₂	solid
Ca ₂ V ₂ O ₇	solid
Ca ₃ (VO ₄) ₂ ·4H ₂ O	solid
Ca ₂ V ₂ O ₇ ·2H ₂ O	solid
Ba ₃ (VO ₄) ₂ ·4H ₂ O	solid
Ba ₂ V ₂ O ₇ ·2H ₂ O	solid
NaVO ₃	solid
Na ₃ VO ₄	solid
Na ₄ V ₂ O ₇	solid
HALLOYSITE	solid
KAOLINITE	solid
GREENALITE	solid
CHRYSOTILE	solid
SEPIOLITE	solid
SEPIOLITE (A)	solid
O ₂ (g)	gas
CH ₄ (g)	gas
CO ₂ (g)	gas
H ₂ S (g)	gas
H ₂ Se (g)	gas
Hg (g)	gas
Hg ₂ (g)	gas
Hg(CH ₃) ₂ (g)	gas
HgF (g)	gas
HgF ₂ (g)	gas
HgCl (g)	gas
HgBr (g)	gas
HgBr ₂ (g)	gas
HgI (g)	gas
HgI ₂ (g)	gas

In addition, the following redox couples are included:

Fe ⁺² /Fe ⁺³	redox couple
H ₃ AsO ₃ /H ₃ AsO ₄	redox couple
Sb(OH) ₃ /Sb(OH) ₆ ⁻	redox couple
U ⁺³ /UO ₂ ⁺²	redox couple
U ⁺⁴ /UO ₂ ⁺²	redox couple
UO ₂ ⁺ /UO ₂ ⁺²	redox couple
Mn ⁺² /Mn ⁺³	redox couple
Co ⁺² /Co ⁺³	redox couple
Cu ⁺¹ /Cu ⁺²	redox couple
V ⁺² /V ⁺³	redox couple
V ⁺³ /VO ⁺²	redox couple
VO ⁺² /VO ⁺¹	redox couple
HS ⁻ /SO ₄ ⁻²	redox couple
Sn(OH) ₂ /Sn(OH) ₆ ⁻²	redox couple

$Tl^+/Tl(OH)_3$	redox couple
$HSe^-/HSeO_3^-$	redox couple
$HSeO_3^-/SeO_4^{2-}$	redox couple
$Hg^{2+}/Hg(OH)_2$	redox couple
$Cr^{2+}/Cr(OH)_2^+$	redox couple
$Cr(OH)_2^+/CrO_4^{2-}$	redox couple