IMA Name	Chemical Formula (unformatted)	Number in Coll.
Abernathyite	K(UO2)(AsO4)•4(H2O)	1
Acanthite	Ag2S	>10
Acetamide	CO(CH3)(NH2)	1
Actinolite	Ca2(Mg,Fe++)5Si8O22(OH)2	>10
Adamite	Zn2(AsO4)(OH)	>2
Admontite	MgB6O10•7(H2O)	1
Aegirine	NaFe+++Si2O6	>10
Aenigmatite	(Na,Ca)4(Fe++,Ti,Mg)12Si12O40	>2
Aerinite	(Ca,Na)6FeAl(Fe++,Mg)2(Al,Mg)6[Si12O36(OH)12H][(H2O)12(CO3)]	1
Aeschynite-(Ce)	(Ce,Ca,Fe)(Ti,Nb)2(O,OH)6	>2
Aeschynite-(Y)	(Y,Ca,Fe)(Ti,Nb)2(O,OH)6	>2
Afghanite	(Na,Ca,K)8(Si,Al)12O24(SO4,Cl,CO3)3•(H2O)	>2
Afwillite	Ca3Si2O4(OH)6	>2
Agardite-(Nd)	(Pb,Nd,Y,La,Ca)Cu6(AsO4)3(OH)6•3(H2O)	1
Agardite-(Y)	(Y,Ca)Cu6(AsO4)3(OH)6•3(H2O)	>2
Agrellite	NaCa2Si4O10F	1
Aikinite	PbCuBiS3	>2
Ajoite	(K,Na)3Cu20Al3Si29O76(OH)16•~8(H2O)	>2
Akaganeite	Fe+++(O,OH,Cl)	1
Akatoreite	(Mn++,Fe++)9Al2Si8O24(OH)8	1
Åkermanite	Ca2MgSi2O7	1
Åkermanite-Gehlenite series member, undefined	Ca2Mg(Si2O7)-Ca2Al(AlSiO7)	>10
Akrochordite	Mn4Mg(AsO4)2(OH)4•4(H2O)	1
Aktashite	Cu6Hg3As4S12	1
Alabandite	MnS	>2
Alamosite	PbSiO3	1
Albite	NaAlSi3O8	>10
Albite, var. Andesine	(Na,Ca)(Si,Al)4O8	>10
Albite, var. Oligoclase	(Na,Ca)(Si,Al)4O8	>10
Alkali feldspar group, (var. anorthoclase)	(Na,K)AlSi3O8	>10
Allactite	Mn7(AsO4)2(OH)8	>2
Allanite-(Ce)	(Ce,Ca,Y)2(Al,Fe+++)3(SiO4)3(OH)	>10
Allargentum	Ag1-xSbx(x=0.009-0.16)	1
Alleghanyite	Mn5(SiO4)2(OH)2	1
Allophane	Al2O3•(SiO2)1.3-2•((H2O))2.5-3	>2
Alluaudite	NaCaFe++(Mn,Fe++,Fe+++,Mg)2(PO4)3	>2
Almandine	Fe++3Al2(SiO4)3	>10
Alstonite	BaCa(CO3)2	>10
Altaite	PbTe	1

Althausite	Mg2(PO4)(OH,F,O)	>2
Alum-(K)	KAl(SO4)2•12(H2O)	>2
Aluminite	Al2(SO4)(OH)4•7(H2O)	>2
Aluminocopiapite	Al2/3Fe+++4(SO4)6O(OH)2•20(H2O)	1
Alumohydrocalcite	CaAl2(CO3)2(OH)4•3(H2O)	>2
Alunite	KAl3(SO4)2(OH)6	>2
Alunogen	Al2(SO4)3•17(H2O)	>2
Amarantite	Fe+++(SO4)(OH)•3(H2O)	1
Amblygonite	(Li,Na)Al(PO4)(F,OH)	>2
Ameghinite	NaB3O3(OH)4	1
Amesite	Mg2Al(SiAl)O5(OH)4	1
Analcime	NaAlSi2O6•(H2O)	>10
Anandite	(Ba,K)(Fe++,Mg)3(Si,Al,Fe)4O10(S,OH)2	1
Anapaite	Ca2Fe++(PO4)2•4(H2O)	>2
Anatase	TiO2	>10
Ancylite-(Ce)	SrCe(CO3)2(OH)•(H2O)	>2
Andalusite	Al2SiO5	>10
Andersonite	Na2Ca(UO2)(CO3)3•6(H2O)	>2
Andorite, undifferentiated	PbAgSb3S6	>2
Andradite	Ca3Fe+++2(SiO4)3	>10
Anglesite	PbSO4	>10
Anhydrite	CaSO4	>10
Ankerite	Ca(Fe++,Mg,Mn)(CO3)2	>10
Annabergite	Ni3(AsO4)2•8(H2O)	>10
Annite	KFe++3AlSi3O10(OH,F)2	1
Anorthite	CaAl2Si2O8	>10
Anorthite, var. Bytownite	(Ca,Na)(Si,Al)4O8	>2
Anorthite, var. Labradorite	(Ca,Na)(Si,Al)4O8	>10
Anthoinite	AlWO3(OH)3	>2
Anthonyite	Cu(OH,Cl)2•3(H2O)	1
Anthophyllite	[ ]Mg7Si8O22(OH)2	>10
Antigorite	(Mg,Fe++)3Si2O5(OH)4	>10
Antimony	Sb	>2
Antlerite	Cu3(SO4)(OH)4	1
Apachite	Cu9Si10O29•11(H2O)	1
Apatite , undifferentiated	Ca5(PO4)3(OH,F,Cl)	>10
Apatite-(CaCl)	Ca5(PO4)3Cl	>2
Apatite-(CaF)	Ca5(PO4)3F	>10
Apatite-(CaOH)	Ca5(PO4)3(OH)	>2
Apatite-(SrOH)	(Sr,Ca)5(PO4)3(F,OH)	1
Aphthitalite	(K,Na)3Na(SO4)2	>2

Apjohnite	MnAl2(SO4)4•22(H2O)	1
Apophyllite, undifferentiated	KCa4(Si4O10)2F•8(H2O)	>10
Apuanite	Fe++Fe+++4Sb+++4O12S	>2
Aragonite	CaCO3	>10
Aramayoite	Ag3Sb2(Sb,Bi)S6	1
Arcanite	K2SO4	1
Ardealite	Ca2(SO4)(HPO4)•4(H2O)	1
Ardennite-(As)	(Mn++,Ca,Mg)4(Al,Mg,Fe)6(SiO4)2(Si3O10)(AsO4,VO4)(OH)6	>2
Arfvedsonite	NaNa2(Fe++4Fe+++)Si8O22(OH)2	>2
Argentite	Ag2S	>10
Argentojarosite	AgFe+++3(SO4)2(OH)6	1
Argyrodite	Ag8GeS6	>2
Armstrongite	CaZrSi6O15•3(H2O)	1
Arsenic	As	>10
Arseniosiderite	Ca2Fe+++3(AsO4)3O2•3(H2O)	>2
Arsenohauchecornite	Ni18Bi3AsS16	1
Arsenolamprite	As	1
Arsenolite	As2O3	>2
Arsenopyrite	FeAsS	>10
Arthurite	CuFe+++2(AsO4,PO4,SO4)2(O,OH)2•4(H2O)	1
Artinite	Mg2(CO3)(OH)2•3(H2O)	>2
Asbecasite	Ca3(Ti,Sn)As+++6Si2Be2O20	1
Asbolane	(Co,Ni)1-y(Mn++++O2)2-x(OH)2-2y+2x•n(H2O)	>2
Aschamalmite	Pb6Bi2S9	1
Ashburtonite	HPb4Cu++4Si4O12(HCO3)4(OH)4Cl	1
Ashcroftine-(Y)	K5Na5(Y,Ca)12Si28O70(OH)2(CO3)8•8(H2O)	1
Astrocyanite-(Ce)	Cu2(Ce,Nd,La)2(UO2)(CO3)5(OH)2•1.5(H2O)	1
Astrophyllite	K2Na(Fe++,Mn)7Ti2Si8O26(OH)4	>10
Atacamite	Cu2Cl(OH)3	>10
Atelestite	Bi8(AsO4)3(OH)5O5	>2
Attakolite	(Ca,Sr)Mn++(Al,Fe+++)4[(Si,P)O4]H(PO4)3(OH)4	1
Augelite	Al2(PO4)(OH)3	>2
Augite	(Ca,Na)(Mg,Fe,Al,Ti)(Si,Al)2O6	>10
Aurichalcite	(Zn,Cu)5(CO3)2(OH)6	>10
Aurorite	(Mn,Ag,Ca)Mn++++3O7•3(H2O)	1
Aurostibite	AuSb2	1
Austinite	CaZn(AsO4)(OH)	>2
Autunite	Ca(UO2)2(PO4)2•10-12(H2O)	>10
Avicennite	Tl2O3	1
Awaruite	Ni2Fe	>2
Axinite-(Fe)	Ca2Fe++Al2BO3Si4O12(OH)	>10

Axinite-(Mg)	Ca2MgAl2BO3Si4O12(OH)	1
Axinite-(Mn)	Ca2Mn++Al2BO3Si4O12(OH)	>2
Azurite	Cu3(CO3)2(OH)2	>10
Babingtonite	Ca2(Fe++,Mn)Fe+++Si5O14(OH)	>2
Baddeleyite	ZrO2	1
Baghdadite	Ca3(Zr,Ti)Si2O9	1
Bahianite	Al5Sb+++++3O14(OH)2	>2
Balangeroite	(Mg,Fe+++,Fe++,Mn++)42Si16O54(OH)40	1
Balkanite	Cu9Ag5HgS8	1
Bannisterite	KCa(Mn,Fe++,Zn,Mg)21(Si,Al)32O76(OH)16•4-12(H2O)	1
Baratovite	KCa7(Ti,Zr)2Li3Si12O36F2	>2
Barbosalite	Fe++Fe+++2(PO4)2(OH)2	1
Barentsite	Na7AlH2(CO3)4F4	1
Bariandite	Al0.6V8O20•9(H2O)	1
Barićite	(Mg,Fe++)3(PO4)2•8(H2O)	>2
Bario-olgite	Na(Ba,Sr,Na,REE)PO4	1
Bariopharmacosiderite	BaFe+++4(AsO4)3(OH)5•5(H2O)	1
Barnesite	Na2V6O16•3(H2O)	>2
Barrerite	(Na,K,Ca)2Al2Si7O18•6(H2O)	1
Barysilite	Pb8Mn(Si2O7)3	1
Baryte	BaSO4	>10
Barytocalcite	BaCa(CO3)2	>10
Bassetite	Fe++(UO2)2(PO4)2•8(H2O)	1
Bastnäsite-(Ce)	Ce(CO3)F	>2
Baumhauerite	Pb3As4S9	1
Bavenite	Ca4Be2Al2Si9O26(OH)2	1
Bayldonite	(Cu,Zn)3Pb(AsO3OH)2(OH)2	>2
Bayleyite	Mg2(UO2)(CO3)3•18(H2O)	>2
Bazirite	BaZrSi3O9	1
Beaverite, undifferentiated	PbCu++(Fe+++,Al)2(SO4)2(OH)6	>2
Becquerelite	Ca(UO2)6O4(OH)6•8(H2O)	>2
Behoite	Be(OH)2	>2
Beidellite	Na0.5Al2(Si3.5Al0.5)O10(OH)2•n(H2O)	>2
Bellbergite	(K,Ba,Sr)2Sr2Ca2(Ca,Na)4Al18Si18O72•30(H2O)	1
Bellingerite	Cu++3(IO3)6•2(H2O)	1
Belovite-(Ce)	(Sr,Ce,Na,Ca)5(PO4)3(OH)	1
Belyankinite	Ca1-2(Ti,Zr,Nb)5O12•9(H2O)	>2
Bementite	Mn8Si6O15(OH)10	>2
Benitoite	BaTiSi3O9	>2
Benjaminite	(Ag,Cu)3(Bi,Pb)7S12	1
Benstonite	(Ba,Sr)6(Ca,Mn)6Mg(CO3)13	1

Beraunite	Fe++Fe+++5(PO4)4(OH)5•4(H2O)	>2
Berborite	Be2(BO3)(OH,F)•(H2O)	1
Berezanskite	KLi3Ti2Si12O30	1
Bergenite	Ca2Ba4[(UO3)2O2(PO4)2]3	1
Berlinite	AlPO4	1
Bermanite	Mn++Mn+++2(PO4)2(OH)2•4(H2O)	1
Berndtite	SnS2	1
Berryite	Cu3Ag2Pb3Bi7S16	>2
Berthierine	(Fe++,Fe+++,Al,Mg)2-3(Si,Al)2O5(OH)4	1
Berthierite	FeSb2S4	>10
Bertossaite	Li2CaAl4(PO4)4(OH)4	1
Bertrandite	Be4Si2O7(OH)2	>2
Beryl	Be3Al2Si6O18	>10
Beryllonite	NaBePO4	1
Berzelianite	Cu2Se	>2
Berzeliite	(Ca,Na)3(Mg,Mn)2(AsO4)3	>2
Betafite	(Ca,U)2(Ti,Nb,Ta)2O6(OH)	>2
Betekhtinite	Cu10(Fe,Pb)S6	1
Beudantite	PbFe+++3(AsO4)(SO4)(OH)6	>2
Beusite	(Mn++,Fe++,Ca,Mg)3(PO4)2	1
Beyerite	(Ca,Pb)Bi2(CO3)2O2	>2
Bicchulite	Ca2Al2SiO6(OH)2	1
Bieberite	CoSO4•7(H2O)	1
Bikitaite	Li2[Al2Si4O12]•2(H2O)	>2
Bílinite	Fe++Fe+++2(SO4)4•22(H2O)	1
Billietite	Ba(UO2)6O4(OH)6•8(H2O)	>2
Bindheimite	Pb2Sb2O6(O,OH)	>2
Biphosphammite	(NH4,K)H2PO4	1
Birnessite	(Na,Ca,K)x(Mn++++,Mn+++)2O4•1.5(H2O)	1
Bismite	Bi2O3	>2
Bismoclite	BiOCl	1
Bismuth	Bi	>10
Bismuthinite	Bi2S3	>10
Bismutite	Bi2(CO3)O2	>2
Bismutoferrite	BiFe+++2(SiO4)2(OH)	>2
Bityite	CaLiAl2(AlBeSi2)O10(OH)2	>2
Bixbyite	(Mn+++,Fe+++)2O3	>2
Bjarebyite	(Ba,Sr)(Mn++,Fe++,Mg)2Al2(PO4)3(OH)3	>2
Blatterite	(Mn++,Mg)35Sb3(Mn+++,Fe+++)9(BO3)16O32	1
Blixite	Pb8O5(OH)2Cl4	1
Blödite	Na2Mg(SO4)2•4(H2O)	>2

Bobfergusonite	Na2Mn++5Fe+++Al(PO4)6	1
Bobierrite	Mg3(PO4)2•8(H2O)	>2
Boggsite	NaCa2(Al5Si19O48)•17(H2O)	>2
Böhmite	AlO(OH)	>2
Bokite	(Al,Fe+++)1.3(V++++,Fe)8O20•4.7(H2O)	1
Boleite	KPb26Ag9Cu24Cl62(OH)48	>2
Bolivarite	Al2(PO4)(OH)3•4-5(H2O)	>2
Boltwoodite	HK(UO2)(SiO4)•1.5(H2O)	>2
Bonattite	CuSO4•3(H2O)	1
Bonshtedtite	Na3Fe++(PO4)(CO3)	>2
Boothite	CuSO4•7(H2O)	>2
Boracite	Mg3B7O13Cl	>10
Boralsilite	Al16B6Si2O27	1
Borax	Na2B4O5(OH)4•8(H2O)	>2
Borcarite	Ca4MgB4O6(OH)6(CO3)2	1
Bornemanite	BaNa3{(Na,Ti)4[(Ti,Nb)2O2Si4O14](F,OH)2}•PO4	1
Bornite	Cu5FeS4	>10
Botallackite	Cu2Cl(OH)3	1
Botryogen	MgFe+++(SO4)2(OH)•7(H2O)	1
Bottinoite	NiSb+++++2(OH)12•6(H2O)	1
Boulangerite	Pb5Sb4S11	>2
Bournonite	PbCuSbS3	>10
Boussingaultite	(NH4)2Mg(SO4)2•6(H2O)	1
Boyleite	(Zn,Mg)SO4•4(H2O)	1
Brackebuschite	Pb2(Mn,Fe++)(VO4)2(OH)	1
Braggite	(Pt,Pd,Ni)S	1
Braitschite-(Ce)	(Ca,Na2)7(Ce,La)2B22O43•7(H2O)	1
Brandtite	Ca2(Mn,Mg)(AsO4)2•2(H2O)	1
Brannerite	(U,Ca,Ce)(Ti,Fe)2O6	>2
Braunite-I	Mn++Mn+++6SiO12	>10
Brazilianite	NaAl3(PO4)2(OH)4	>2
Breithauptite	NiSb	>2
Brenkite	Ca2(CO3)F2	1
Brewsterite-Sr	(Sr,Ba)Al4Si12O32•10(H2O)	>10
Brianyoungite	Zn3(CO3,SO4)(OH)4	>2
Briartite	Cu2(Zn,Fe)GeS4	1
Britholite-(Ce)	(Ce,Ca,Th,La,Nd)5(SiO4,PO4)3(OH,F)	>2
Britholite-(Y)	(Y,Ca)5(SiO4,PO4)3(OH,F)	1
Brochantite	Cu4(SO4)(OH)6	>10
Bromargyrite	AgBr	>10
Brookite	TiO2	>10

Brownmillerite	Ca2(Al,Fe+++)2O5	1
Brucite	Mg(OH)2	>10
Brugnatellite	Mg6Fe+++(CO3)(OH)13•4(H2O)	>2
Brushite	CaHPO4•2(H2O)	>2
Buddingtonite	(NH4)AlSi3O8•0.5(H2O)	1
Bukovskýite	Fe+++2(AsO4)(SO4)(OH)•7(H2O)	1
Bultfonteinite	Ca2SiO2(OH,F)4	>2
Burangaite	(Na,Ca)2(Fe++,Mg)2Al10(PO4)8(OH,O)12•4(H2O)	1
Burbankite	(Na,Ca)3(Sr,Ba,Ce)3(CO3)5	1
Burckhardtite	Pb2(Fe+++,Mn+++)Te++++(AlSi3O10)O2(OH)2•(H2O)	>2
Burkeite	Na6(CO3)(SO4)2	1
Bustamite	(Mn,Ca)3Si3O9	>2
Buttgenbachite	Cu19Cl4(NO3)2(OH)32•2(H2O)	1
Byströmite	MgSb2O6	1
Cacoxenite	(Fe+++,Al)25(PO4)17O6(OH)12•75(H2O)	>2
Cadmoselite	CdSe	1
Cafarsite	Ca8(Ti,Fe++,Fe+++,Mn)6-7(As+++O3)12•4(H2O)	1
Cahnite	Ca2B(AsO4)(OH)4	1
Calaverite	AuTe2	>2
Calcioferrite	Ca4Fe++(Fe+++,Al)4(PO4)6(OH)4•12(H2O)	1
Calciohilairite	CaZrSi3O9•3(H2O)	1
Calcite	CaCO3	>10
Calcurmolite	Ca(UO2)3(MoO4)3(OH)2•11(H2O)	1
Caledonite	Pb5Cu2(CO3)(SO4)3(OH)6	>10
Calkinsite-(Ce)	(Ce,La)2(CO3)3•4(H2O)	1
Callaghanite	Cu2Mg2(CO3)(OH)6•2(H2O)	>2
Calomel	Hg2Cl2	>2
Calumetite	Cu(OH,Cl)2•2(H2O)	>2
Campigliaite	Cu4Mn(SO4)2(OH)6•4(H2O)	1
Canasite	(Na,K)6Ca5Si12O30(OH,F)4	1
Canavesite	Mg2(CO3)(HBO3)•5(H2O)	>2
Cancrinite	Na6Ca2Al6Si6O24(CO3)2	>10
Cancrisilite	Na7Al5Si7O24(C03)•3(H2O)	>2
Cannizzarite	Pb4Bi6S13	1
Caracolite	Na3Pb2(SO4)3Cl	1
Carbocernaite	(Ca,Na)(Sr,Ce,Ba)(CO3)2	1
Carbonatecyanotrichite	Cu++4Al2(CO3,SO4)(OH)12•2(H2O)	>2
Carletonite	KNa4Ca4Si8O18(CO3)4(OH,F)•(H2O)	1
Carlfriesite	CaTe++++2Te++++++O8	1
Carlosturanite	(Mg,Fe++,Ti,Mn)21(Si,Al)12O28(OH)34	1
Carminite	PbFe+++2(AsO4)2(OH)2	>2

Carnallite	KMgCl3•6(H2O)	>2
Carnotite	K2(UO2)2V2O8•3(H2O)	>2
Carpholite	MnAl2Si2O6(OH)4	>2
Carrollite	Cu(Co,Ni)2S4	1
Caryinite	(Na,Pb)(Ca,Na)(Ca,Mn++)(Mn++,Mg)2(AsO4)3	1
Caryopilite	(Mn++,Mg,Zn,Fe++)3(Si,As)2O510(OH,Cl)4	>2
Cassiterite	SnO2	>10
Catapleiite	(Na,Ca,[ ])2ZrSi3O9•2(H2O)	>2
Cattierite	CoS2	1
Cavansite	Ca(VO)Si4O10•4(H2O)	>2
Caysichite-(Y)	Y2(Ca,Gd)2Si4O10(CO3)3(H2O,O,OH)•3H20	1
Cebollite	Ca5Al2(SiO4)3(OH)4	1
Čechite	Pb(Fe++,Mn)(VO4)(OH)	>2
Celadonite	K(Mg,Fe++)(Fe+++,Al)[Si4O10](OH)2	>10
Celestine	SrSO4	>10
Celsian	BaAl2Si2O8	>2
Cerianite-(Ce)	(Ce++++,Th)O2	1
Černýite	Cu2CdSnS4	1
Ceruleite	Cu2Al7(AsO4)4(OH)13•12(H2O)	>2
Cerussite	PbCO3	>10
Cervantite	Sb+++Sb+++++O4	>10
Cesàrolite	PbH2Mn++++3O8	1
Cetineite	(K,Na)3+x(Sb2O3)3(Sb2S3)(OH)x•(2.8-x)(H2O)	1
Chabazite-Ca	(Ca0.5,Na,K)4[Al4Si8O24]•12H2O	>10
Chabazite-Na	(Na,Ca,K)AlSi2O6•3(H2O)	1
Chabournéite	(Tl,Pb)21(Sb,As)91S147	>2
Chalcanthite	CuSO4•5(H2O)	>10
Chalcoalumite	CuAl4(SO4)(OH)12•3(H2O)	>2
Chalcocite	Cu2S	>10
Chalcocyanite	CuSO4	1
Chalcomenite	CuSeO3•2(H2O)	1
Chalconatronite	Na2Cu(CO3)2•3(H2O)	>2
Chalcophanite	(Zn,Fe++,Mn++)Mn++++3O7•3(H2O)	>2
Chalcophyllite	Cu++18Al2(AsO4)3(SO4)3(OH)27•33(H2O)	>2
Chalcopyrite	CuFeS2	>10
Chalcosiderite	CuFe+++6(PO4)4(OH)8•4(H2O)	>2
Chalcostibite	CuSbS2	1
Chambersite	Mn3B7O13Cl	1
Chamosite	(Fe++,Mg,Fe+++)5Al(Si3Al)O10(OH,O)8	>10
Chapmanite	Sb+++Fe+++2(SiO4)2(OH)	>2
Charoite	K5Ca8(Si6O15)2(Si2O7)Si4O9(OH)•3(H2O)	>2

Chenevixite	Cu2Fe+++2(AsO4)2(OH)4•(H2O)	>2
Chenite	Pb4Cu(SO4)2(OH)6	1
Chervetite	Pb2V2O7	1
Chevkinite-(Ce)	(Ce,La,Ca,Th)4(Fe++,Mg)2(Ti,Fe+++)3Si4O22	>2
Chiavennite	CaMnBe2Si5O13(OH)2•2(H2O)	>2
Childrenite	Fe++Al(PO4)(OH)2•(H2O)	>2
Chiolite	Na5Al3F14	>2
Chkalovite	Na2BeSi2O6	>2
Chlorargyrite	AgCl	>10
Chlorellestadite	Ca5(SiO4,PO4,SO4)3(Cl,OH,F)	1
Chlorite & Kaolinite-Serpentine Group, undefined	(Mg,Ni)Al4Si3O13•4(H2O)	>2
Chloritoid	(Fe++,Mg,Mn)2Al4Si2O10(OH)4	>10
Chlormayenite	Ca12Al14O33	1
Chlorophoenicite	(Mn,Mg)3Zn2(AsO4)(OH,O)6	1
Chlorothionite	K2Cu(SO4)Cl2	1
Chloroxiphite	Pb3CuCl2(OH)2O2	>2
Choloalite	CuPb(Te++++O3)2	1
Chondrodite	(Mg,Fe++)5(SiO4)2(F,OH)2	>10
Chromite	Fe++Cr2O4	>10
Chrysoberyl	BeAl2O4	>10
Chrysocolla	(Cu,Al)2H2Si2O5(OH)4•n(H2O)	>10
Chrysotile	Mg3Si2O5(OH)4	>10
Chrysotile, var. Parachrysotile	Mg3Si2O5(OH)4	>2
Chrysotile, var. Clinochrysotile	Mg3Si2O5(OH)4	>10
Churchite-(Y)	YPO4•2(H2O)	1
Cinnabar	HgS	>10
Claraite	(Cu,Zn)3(CO3)(OH)4•4(H2O)	1
Claringbullite	Cu++4(OH)7Cl	>2
Clarkeite	(Na,Ca,Pb)(UO2)O(OH)•0-1(H2O)	1
Claudetite	As2O3	>2
Clausthalite	PbSe	>2
Cliffordite	UTe3O9	>2
Clinobisvanite	BiVO4	1
Clinochlore	(Mg,Fe++)5Al(Si3Al)O10(OH)8	>10
Clinoclase	Cu3(AsO4)(OH)3	>10
Clinohedrite	CaZnSiO4•(H2O)	1
Clinohumite	(Mg,Fe++)9(SiO4)4(F,OH)2	>10
Clinojimthompsonite	(Mg,Fe++)5Si6O16(OH)2	1
Clinoptilolite-K	(Na,K,Ca)2-3Al3(Al,Si)2Si13O36•12(H2O)	>10
Clinosafflorite	(Co,Fe,Ni)As2	>2
Clinozoisite	Ca2Al3(SiO4)3(OH)	>10

Clintonite	Ca(Mg,Al)3(Al3Si)O10(OH)2	>2
Coalingite	Mg10Fe+++2(CO3)(OH)24•2(H2O)	>2
Cobaltaustinite	CaCo(AsO4)(OH)	1
Cobaltite	CoAsS	>10
Cobaltkoritnigite	(Co,Zn)(AsO3OH)•(H2O)	1
Cobaltomenite	CoSeO3•2(H2O)	1
Cobaltpentlandite	Co9S8	1
Coconinoite	Fe+++2Al2(UO2)2(PO4)4(SO4)(OH)2•18(H2O)	1
Coesite	SiO2	1
Coffinite	U(SiO4)1-x(OH)4x	>2
Colemanite	Ca2B6O11•5(H2O)	>2
Collinsite	Ca2(Mg,Fe++)(PO4)2•2(H2O)	1
Coloradoite	HgTe	1
Columbite-(Fe)	Fe++Nb2O6	>10
Columbite-(Mn)	(Mn,Fe++)(Nb,Ta)2O6	1
Colusite	Cu13VAs3S16	>2
Compreignacite	K2(UO2)6O4(OH)6•8(H2O)	1
Conichalcite	CaCu(AsO4)(OH)	>2
Connellite	Cu19Cl4(SO4)(OH)32•3(H2O)	>2
Cookeite	LiAl4(Si3Al)O10(OH)8	>2
Cooperite	(Pt,Pd,Ni)S	>2
Copiapite	Fe++Fe+++4(SO4)6(OH)2•20(H2O)	>2
Copper	Cu	>10
Coquandite	Sb6O8(SO4)•(H2O)	1
Coquimbite	Fe+++2(SO4)3•9(H2O)	>2
Corderoite	Hg3S2Cl2	1
Cordierite	Mg2Al4Si5O18	>10
Cordylite-(Ce)	Ba(Ce,La)2(CO3)3F2	1
Corkite	PbFe+++3(PO4)(SO4)(OH)6	1
Cornetite	Cu3(PO4)(OH)3	1
Cornubite	Cu5(AsO4)2(OH)4	1
Cornwallite	Cu5(AsO4)2(OH)4	>2
Coronadite	Pb(Mn++++,Mn++)8O16	>2
Corundum	Al2O3	>10
Corvusite	(Na,Ca,K)V8O20•4(H2O)	>2
Cosalite	Pb2Bi2S5	>2
Cotunnite	PbCl2	>2
Coulsonite	Fe++V+++2O4	1
Covellite	CuS	>10
Cowlesite	CaAl2Si3O10•5-6(H2O)	>10
Crandallite	CaAl3(PO4)2(OH)5•(H2O)	1

Crandallite, var. viséite (Sr-bearing)	CaAl3(PO4)(PO3OH)(OH)6	>2
Crawfordite	Na3Sr(PO4)(CO3)	1
Creaseyite	Pb2Cu2(Fe+++,Al)2Si5O17•6(H2O)	1
Crednerite	CuMnO2	1
Creedite	Ca3Al2(SO4)(F,OH)10•2(H2O)	>2
Cristobalite	SiO2	>2
Crocoite	PbCrO4	>10
Cronstedtite	Fe++2Fe+++(SiFe+++)O5(OH)4	>2
Crookesite	Cu7(Tl,Ag)Se4	1
Cryolite	Na3AlF6	>10
Cryolithionite	Na3Li3Al2F12	1
Cryptohalite	(NH4)2SiF6	1
Cryptomelane	K(Mn++++,Mn++)8O16	>2
Cubanite	CuFe2S3	>2
Cumengeite	Cu20Pb21Cl42(OH)40•6H2O	>2
Cummingtonite	[ ]Mg7Si8O22(OH)2	>2
Cuprite	Cu2O	>10
Cuprocopiapite	CuFe+++4(SO4)6(OH)2•20(H2O)	1
Cupropavonite	AgPbCu2Bi5S10	1
Cuprosklodowskite	Cu[(UO2)(SiO2OH)]2•6(H2O)	>2
Cuprostibite	Cu2(Sb,Tl)	>2
Cuprotungstite	Cu++3(WO4)2(OH)2	>2
Curetonite	Ba4Al3Ti(PO4)4(O,OH)6	>2
Curienite	Pb(UO2)2V2O8•5(H2O)	1
Curite	Pb3+x(H2O)2[(UO2)4+x(OH)3-x]2,	>2
Cuspidine	Ca4Si2O7(F,OH)2	>2
Cuzticite	Fe+++2Te++++++O6•3(H2O)	1
Cyanochroite	K2Cu(SO4)2•6(H2O)	1
Cyanotrichite	Cu4Al2(SO4)(OH)12•2(H2O)	>2
Cylindrite	Pb3Sn4FeSb2S14	1
Cymrite	BaAl2Si2O8•(H2O)	>2
Cyrilovite	NaFe+++3(PO4)2(OH)4•2(H2O)	1
Dachiardite-Ca	(Ca,Na2,K2)5Al10Si38O96•25(H2O)	>2
Dadsonite	Pb21Sb23S55Cl	1
Danalite	Fe++4Be3(SiO4)3S	1
Danburite	CaB2(SiO4)2	>10
Darapskite	Na3(SO4)(NO3)•(H2O)	1
Datolite	CaBSiO4(OH)	>10
Davidite-(La)	(La,Ce,Ca)(Y,U)(Ti,Fe+++)20O38	>2
Davreuxite	MnAl6Si4O17(OH)2	1
Davyne	Na4K2Ca2Si6Al6O24(SO4)Cl2	1

Dawsonite	NaAl(CO3)(OH)2	>2
Decrespignyite-(Y)	(Y,REE)4Cu(CO3)4Cl(OH)5•2(H2O)	>2
Deerite	(Fe++,Mn)6(Fe+++,Al)3Si6O20(OH)5	>2
Defernite	Ca6(CO3)2-x(SiO4)x(OH)7(Cl,OH)1-2x	1
Delafossite	Cu+Fe+++O2	>2
Delhayelite	(Na,K)10Ca5Al6Si32O80(Cl2,F2,SO4)3•18(H2O)	1
Delindeite	Ba2(Na,K,[ ])3(Ti,Fe)[Ti2(O,OH)4Si4O14](H2O,OH)2	1
Dellaite	Ca6Si3O11(OH)2	1
Deloneite	NaCa2SrCe(PO4)3F	1
Delrioite	CaSrV2O6(OH)2•3(H2O)	1
Delvauxite	CaFe+++4(PO4,SO4)2(OH)8•4-6(H2O)	>2
Demesmaekerite	Pb2Cu5(UO2)2(SeO3)6(OH)6•2(H2O)	1
Denisovite	(K,Na)Ca2Si3O8(F,OH)	>2
Desautelsite	Mg6Mn+++2(CO3)(OH)16•4(H2O)	>2
Descloizite	PbZn(VO4)(OH)	>10
Devilline	CaCu4(SO4)2(OH)6•3(H2O)	>2
Dewindtite	Pb3[H(UO2)3O2(PO4)2]2•12(H2O)	>2
Diaboleite	Pb2CuCl2(OH)4	>2
Diadochite	Fe+++2(PO4)(SO4)(OH)•6(H2O)	>2
Diamond	C	>10
Diaphorite	Pb2Ag3Sb3S8	>2
Diaspore	AlO(OH)	>10
Dickinsonite-(KMnNa)	KNaMnNa3Ca(Mn,Fe,Mg)13Al(PO4)11(PO4)(OH,F)2	1
Dickite	Al2Si2O5(OH)4	>2
Dietrichite	(Zn,Fe++,Mn)Al2(SO4)4•22(H2O)	>2
Digenite	Cu9S5	>2
Diopside	CaMgSi2O6	>10
Dioptase	CuSiO2(OH)2	>10
Diversilite-(Ce)	Na2(Ba,K)6Ce2Fe++Ti3Si12O36(OH)3(OH,H2O)9	1
Djurleite	Cu31S16	>2
Dolerophanite	Cu2(SO4)O	1
Dolomite	CaMg(CO3)2	>10
Doloresite	H8V++++6O16	1
Domeykite	Cu3As	>2
Donnayite-(Y)	Sr3NaCaY(CO3)6•3(H2O)	>2
Dorfmanite	Na2(PO3OH)•2(H2O)	1
Dravite	NaMg3Al6(BO3)3Si6O18(OH)4	>10
Dresserite	BaAl2(CO3)2(OH)4•(H2O)	>2
Dufrénite	Fe++Fe+++4(PO4)3(OH)5•2(H2O)	>10
Dufrénoysite	Pb2As2S5	>2
Duftite-alpha	PbCu(AsO4)(OH)	>2

Dugganite	Pb3Zn3Te(As,V,Si)2(O,OH)14	1
Dumortierite	Al6.5-7(BO3)(SiO4)3(O,OH)3	>2
Dundasite	PbAl2(CO3)2(OH)4•(H2O)	>2
Durangite	NaAl(AsO4)F	>2
Duranusite	As4S	1
Dusmatovite	K(K,Na,[ ])(Mn++,Y,Zr)2(Zn,Li)3Si12O30	1
Dussertite	BaFe+++3(AsO4)2(OH)5	1
Dypingite	Mg5(CO3)4(OH)2•5(H2O)	>2
Dyscrasite	Ag3Sb	>10
Dzhalindite	In(OH)3	1
Eakerite	Ca2SnAl2Si6O18(OH)2•2(H2O)	>2
Ecdemite	Pb6As+++2O7Cl4	1
Eckermannite	NaNa2(Mg4Al)Si8O22(OH)2	>2
Eclarite	Pb9(Cu,Fe)Bi12S28	1
Edenite	NaCa2Mg5Si7AlO22(OH)2	>10
Edingtonite	BaAl2Si3O10•4(H2O)	>10
Eggletonite	Na2Mn8[Si11AlO29](OH)7•11(H2O)	1
Eglestonite	Hg6Cl3O(OH)	1
Eitelite	Na2Mg(CO3)2	1
Ekanite	ThCa2Si8O20	1
Elbaite	Na(Li,Al)3Al6(BO3)3Si6O18(OH)4	>10
Ellenbergerite	Mg6TiAl6Si8O28(OH)10	1
Ellestadite-(OH)	Ca5(SiO4,SO4)3(OH,Cl,F)	1
Elpidite	Na2ZrSi6O15•3(H2O)	>2
Elyite	Pb4Cu(SO4)O2(OH)4•(H2O)	1
Emeleusite	Na4Li2Fe+++2Si12O30	1
Emmonsite	Fe+++2Te++++3O9•2(H2O)	1
Emplectite	CuBiS2	>2
Enargite	Cu3AsS4	>2
Englishite	K3Na2Ca10Al15(PO4)21(OH)7•26(H2O)	1
Enstatite	Mg2Si2O6	>10
Enstatite, var. Ferroan Enstatite (needs to be checked)	(Mg,Fe++)2Si2O6	>10
Eosphorite	MnAl(PO4)(OH)2•(H2O)	>2
Ephesite	NaLiAl2(Al2Si2)O10(OH)2	>2
Epididymite	NaBeSi3O7(OH)	1
Epidote	Ca2(Fe+++,Al)3(SiO4)3(OH)	>10
Epistilbite	CaAl2Si6O16•5(H2O)	>2
Epistolite	(Na,[ ])2{(Na,Ti)4[Nb2(O,H2O)4Si4O14](OH,F)2}•2H2O	1
Epsomite	MgSO4•7(H2O)	>2
Erdite	NaFeS2•2(H2O)	1
Ericaite	(Fe++,Mg,Mn)3B7O13Cl	1

Ericssonite	BaMn++2Fe+++O[Si2O7](OH)	1
Ericssonite-2O	BaMn2(Fe+++O)Si2O7(OH)	1
Erionite-Na	(Na2,K2,Ca)2[Al4Si14O36]•15(H2O)	>10
Ernstite	(Mn++1-xFe+++x)Al(PO4)(OH)2-xOx	1
Erythrite	Co3(AsO4)2•8(H2O)	>10
Erythrosiderite	K2Fe+++Cl5•(H2O)	>2
Eskebornite	CuFeSe2	1
Eskolaite	Cr2O3	1
Esperite	PbCa3Zn4(SiO4)4	>2
Esseneite	CaFe+++AlSiO6	1
Ettringite	Ca6Al2(SO4)3(OH)12•26(H2O)	>2
Euchroite	Cu2(AsO4)(OH)•3(H2O)	>2
Euclase	BeAlSiO4(OH)	>2
Eucryptite	LiAlSiO4	>2
Eudialyte	Na4(Ca,Ce)2(Fe++,Mn,Y)ZrSi8O22(OH,Cl)2	>10
Eudidymite	NaBeSi3O7(OH)	1
Eulytine	Bi4(SiO4)3	>2
Euxenite-(Y)	(Y,Ca,Ce)(Nb,Ta,Ti)2O6	>2
Evansite	Al3(PO4)(OH)6•6(H2O)	>2
Ewaldite	(Ba,Sr)(Ca,Na,Y,Ce)(CO3)2	>2
Ezcurrite	Na4B10O17•7(H2O)	1
Fairbankite	PbTe++++O3	1
Fairfieldite	Ca2(Mn,Fe++)(PO4)2•2(H2O)	>2
Falcondoite	(Ni,Mg)4Si6O15(OH)2•6(H2O)	1
Famatinite	Cu3SbS4	1
Faujasite-Na	(Na2,Ca,Mg)3.5[Al7Si17O48]•32(H2O)	>2
Faustite	(Zn,Cu)Al6(PO4)4(OH)8•4(H2O)	1
Fayalite	Fe++2SiO4	>2
Fedorite	KNa4Ca4(Al,Si)16O36(OH,F)4•6(H2O)	1
Feitknechtite	beta-Mn+++O(OH)	1
Felsőbányaite	Al4(SO4)(OH)10•5(H2O)	>2
Ferberite	Fe++WO4	>2
Ferberite-Hübnerite series member, undefined	(Fe,Mn)WO4	>10
Fergusonite-(Y)	YNbO4	>2
Ferrarisite	Ca5(AsO3OH)2(AsO4)2•9(H2O)	1
Ferricopiapite	Fe+++2/3Fe+++4(SO4)6(OH)2•20(H2O)	1
Ferrierite-Mg	(Mg,Na,K)2Mg(Si,Al)18O36•9(H2O)	>2
Ferrimolybdite	Fe+++2(MoO4)3•8(H2O)	>2
Ferrinatrite	Na3Fe+++(SO4)3•3(H2O)	1
Ferrisicklerite	Li(Fe+++,Mn++)PO4	1
Ferristrunzite	Fe+++Fe+++2(PO4)2(OH)3•5(H2O)	1

Ferritungstite	(K,Ca,Na)(W++++++,Fe+++)2(O,OH)6•(H2O)	>2
Ferroalluaudite	NaCaFe++(Fe++,Mn,Fe+++,Mg)2(PO4)3	1
Ferro-hornblende	[ ]Ca2[Fe++4(Al,Fe+++)]Si7AlO22(OH)2	>2
Ferronigerite-2N1S	(Zn,Mg,Fe++)(Sn,Zn)2(Al,Fe+++)12O22(OH)2	1
Ferro-richterite	Na(CaNa)Fe++5[Si8O22](OH)2	1
Ferroselite	FeSe2	>2
Ferrosilite	(Fe++,Mg)2Si2O6	1
Ferrostrunzite	Fe++Fe+++2(PO4)2(OH)2•6(H2O)	>2
Ferrowyllieite	(Na,Ca,Mn)(Fe++,Mn)(Fe++,Fe+++,Mg)Al(PO4)3	1
Ferruccite	NaBF4	1
Fibroferrite	Fe+++(SO4)(OH)•5(H2O)	>2
Fiedlerite	Pb3Cl4F(OH)2	1
Fillowite	Na2Ca(Mn,Fe++)7(PO4)6	1
Finnemanite	Pb5(As+++O3)3Cl	1
Fizélyite	Pb14Ag5Sb21S48	>2
Florencite-(Ce)	CeAl3(PO4)2(OH)6	>2
Flörkeite	(K3Ca2Na)[Al8Si8O32]•12H2O	1
Fluckite	CaMn(HAsO4)2•2(H2O)	1
Fluellite	Al2(PO4)F2(OH)•7(H2O)	>2
Fluoborite	Mg3(BO3)(F,OH)3	>10
Fluocerite-(Ce)	(Ce,La)F3	1
Fluorapatite, var. Carbonate-rich Fluorapatite	Ca5(PO4,CO3)3F	>2
Fluorapophyllite-(K)	(K,Na)Ca4Si8O20(F,OH)•8(H2O)	>10
Fluor-buergerite	NaFe+++3Al6(BO3)3Si6O21F	>2
Fluorellestadite	Ca5(SiO4,PO4,SO4)3(F,OH,Cl)	1
Fluorellestadite or Hydroxylellestadite, undifferentiated	Ca5(SiO4,PO4,SO4)3(F,OH,Cl)	>2
Fluorite	CaF2	>10
Fluor-liddicoatite	Ca(Li2Al)Al6(Si6O18)(BO3)3(OH)3F	1
Foggite	CaAl(PO4)(OH)2•(H2O)	1
Foitite	[ ]Na<0.5(Fe++,Al)3Al6Si6O18(BO3)3(OH)4	>10
Fornacite	Pb2Cu(CrO4)(AsO4)(OH)	1
Forsterite	Mg2SiO4	>10
Foshagite	Ca4Si3O9(OH)2	>2
Fourmarierite	Pb(UO2)4O3(OH)4•4(H2O)	>2
Fraipontite	(Zn,Al)3(Si,Al)2O5(OH)4	>2
Francevillite	(Ba,Pb)(UO2)2V2O8•5(H2O)	>2
Franciscanite	Mn++6V+++++2Si2(O,OH)14	1
Franckeite	(Pb,Sn)6Fe++Sn2Sb2S14	1
Franconite	Na2Nb4O11•9(H2O)	>2
Franklinite	(Zn,Mn++,Fe++)(Fe+++,Mn+++)2O4	>10
Franzinite	[(Na,K)30Ca10][Si30Al30O120](SO4)10•2(H2O)	1

Freieslebenite	AgPbSbS3	>2
Fresnoite	Ba2TiSi2O8	1
Friedelite	Mn8Si6O15(OH,Cl)10	>2
Friedrichite	Pb5Cu5Bi7S18	>2
Frohbergite	FeTe2	1
Frondelite	Mn++Fe+++4(PO4)3(OH)5	>2
Fukuchilite	Cu3FeS8	1
Fülöppite	Pb3Sb8S15	1
Gadolinite-(Ce)	(Ce,La,Nd,Y)2Fe++Be2Si2O10	>10
Gadolinite-(Y)	Y2Fe++Be2Si2O10	1
Gagarinite-(Y)	NaCaY(F,Cl)6	1
Gageite	(Mn,Mg,Zn)42Si16O54(OH)40	1
Gahnite	ZnAl2O4	>10
Gaidonnayite	Na2ZrSi3O9•2(H2O)	>2
Galaxite	(Mn,Mg)(Al,Fe+++)2O4	>2
Galeite	Na15(SO4)5F4Cl	1
Galena	PbS	>10
Galenobismutite	PbBi2S4	1
Galkhaite	(Cs,Tl)(Hg,Cu,Zn)6(As,Sb)4S12	>2
Gallite	CuGaS2	1
Gamagarite	Ba2(Fe+++,Mn+++)(VO4)2(OH)	1
Ganomalite	Pb9Ca5Mn++Si9O33	>2
Ganophyllite	(K,Na)2(Mn,Al,Mg)8(Si,Al)12O29(OH)7•8-9(H2O)	1
Garnet, undifferentiated	0	>10
Garronite, undifferentiated	Na2Ca5Al12Si20O64•27(H2O)	>10
Gasparite-(Ce)	CeAsO4	1
Gaspéite	(Ni,Mg,Fe++)CO3	>2
Gatumbaite	CaAl2(PO4)2(OH)2•(H2O)	>2
Gaudefroyite	Ca4Mn+++3-x(BO3)3(CO3)(O,OH)3	1
Gaylussite	Na2Ca(CO3)2•5(H2O)	1
Gearksutite	CaAl(OH,F)5•(H2O)	1
Gedrite	[ ]Mg5Al2Si6Al2O22(OH)2	>2
Geffroyite	(Ag,Cu,Fe)9(Se,S)8	1
Gehlenite	Ca2Al(AlSi)O7	1
Geikielite	MgTiO3	>2
Genthelvite	Zn4Be3(SiO4)3S	1
Geocronite	Pb14(Sb,As)6S23	>2
Georgechaoite	KNaZrSi3O9•2(H2O)	1
Georgeite	Cu++5(CO3)3(OH)4•6(H2O)	1
Germanite	Cu26Fe4Ge4S32	1
Gersdorffite, undifferentiated	NiAsS	>2

Gerstleyite	Na2(Sb,As)8S13•2(H2O)	1
Getchellite	AsSbS3	1
Gianellaite	Hg4(SO4)N2	1
Gibbsite	Al(OH)3	>2
Gilalite	Cu5Si6O17•7(H2O)	1
Gillespite	BaFe++Si4O10	>2
Gillulyite	Tl2(As,Sb)8S13	1
Giniite	Fe++Fe+++4(PO4)4(OH)2•2(H2O)	1
Ginorite	Ca2B14O23•8(H2O)	1
Gismondine	Ca2Al4Si4O16•9(H2O)	>10
Gladite	PbCuBi5S9	1
Glauberite	Na2Ca(SO4)2	>2
Glaucocerinite	(Zn,Cu)5Al3(SO4)1.5(OH)16•9(H2O)	>2
Glaucochroite	CaMnSiO4	1
Glaucodot	(Co,Fe)AsS	>2
Glauconite	(K,Na)(Fe+++,Al,Mg)2(Si,Al)4O10(OH)2	>2
Glaucophane	[ ]Na2(Mg3Al2)Si8O22(OH)2	>10
Glaukosphaerite	(Cu,Ni)2(CO3)(OH)2	>2
Gmelinite-Na	(Na2,Ca)Al2Si4O12•6(H2O)	>10
Gobbinsite	(Na2,Ca)2K2Al6Si10O32•12(H2O)	>2
Godlevskite	(Ni,Fe)9S8	1
Goedkenite	(Sr,Ca)2Al(PO4)2(OH)	1
Goethite	Fe+++O(OH)	>10
Gold	Au	>10
Goldichite	KFe+++(SO4)2•4(H2O)	1
Goldmanite	Ca3(V,Al,Fe+++)2(SiO4)3	>2
Gonnardite	Na2CaAl4Si6O20•7(H2O)	>2
Goosecreekite	CaAl2Si6O16•5(H2O)	>2
Gorceixite	BaAl3(PO4)(PO3OH)(OH)6	>2
Gordonite	MgAl2(PO4)2(OH)2•8(H2O)	1
Görgeyite	K2Ca5(SO4)6•(H2O)	1
Gormanite	Fe++3Al4(PO4)4(OH)6•2(H2O)	>2
Goslarite	ZnSO4•7(H2O)	1
Goudeyite	(Al,Y)Cu6(AsO4)3(OH)6•3(H2O)	1
Gowerite	CaB6O10•5(H2O)	1
Goyazite	SrAl3(PO4)2(OH)5•(H2O)	1
Graftonite	(Fe++,Mn,Ca)3(PO4)2	>2
Grandidierite	(Mg,Fe++)Al3(BO4)(SiO4)O	>2
Graphite	C	>10
Gratonite	Pb9As4S15	>2
Greenalite	(Fe++,Fe+++)2-3Si2O5(OH)4	1

Greenockite	CdS	>10
Greigite	Fe++Fe+++2S4	1
Grimaldiite	Cr+++O(OH)	1
Griphite	Ca(Mn,Na,Li)6Fe++Al2(PO4)6(F,OH)2	>2
Grossular	Ca3Al2(SiO4)3-x(OH)4x(x=0.2-1.5)	>10
Grossular	Ca3Al2(SiO4)3-x(OH)4x(x=0.2-1.5)	1
Groutite	Mn+++O(OH)	1
Grunerite	[ ]Fe++7Si8O22(OH)2	>2
Guanajuatite	Bi2Se3	1
Gudmundite	FeSbS	>2
Guérinite	Ca5(AsO3OH)2(AsO4)2•9(H2O)	1
Guilleminite	Ba(UO2)3(SeO3)2O2•3(H2O)	1
Gustavite	PbAgBi3S6	1
Guyanaite	CrO(OH)	1
Gypsum	CaSO4•2(H2O)	>10
Gyrolite	NaCa16Si23AlO60(OH)8•64(H2O)	>10
Hagendorfite	NaCaMn(Fe++,Fe+++,Mg)2(PO4)3	1
Häggite	V2O2(OH)3	>2
Halite	NaCl	>10
Hallimondite	Pb2(UO2)(AsO4)2	1
Halloysite, undifferentiated	Al2Si2O5(OH)4	>10
Halotrichite	Fe++Al2(SO4)4•22(H2O)	>10
Hambergite	Be2BO3(OH)	>2
Hammarite	Pb2Cu2Bi4S9	1
Hanksite	KNa22(SO4)9(CO3)2Cl	>2
Hannayite	(NH4)2Mg3H4(PO4)4•8(H2O)	1
Hannebachite	2CaSO3•(H2O)	>2
Hardystonite	Ca2ZnSi2O7	>2
Harkerite	Ca24Mg8Al2(SiO4)8(BO3)6(CO3)10•2(H2O)	>2
Harmotome	(Ba,Na,K)1-2(Si,Al)8O16•6(H2O)	>10
Hastingsite	NaCa2(Fe++4Fe+++)Si6Al2O22(OH)2	>2
Hauerite	MnS2	>2
Hausmannite	Mn++Mn+++2O4	>2
Haüyne	(Na,Ca)4-8Al6Si6(O,S)24(SO4,Cl)1-2	>10
Hawleyite	CdS	1
Heazlewoodite	Ni3S2	>2
Hectorite	Na0,3(Mg,Li)3Si4O10(OH)2	1
Hedenbergite	CaFe++Si2O6	>10
Hedyphane	Ca2Pb3(AsO4)3Cl	>2
Heidornite	Na2Ca3B5O8(SO4)2Cl(OH)2	1
Heinrichite	Ba(UO2)2(AsO4)2•10-12(H2O)	1

Hellandite-(Y)	(Ca,REE)4(Y,Ce)2(Al,[ ])2[Si4B4O22](OH)2	1
Hellyerite	NiCO3•6(H2O)	>2
Helvine	Be3Mn2+4(SiO4)3S	>2
Hematite	Fe2O3	>10
Hematolite	(Mn,Mg,Al)15(AsO3)(AsO4)2(OH)23	1
Hematophanite	Pb4Fe+++3O8(OH,Cl)	1
Hemihedrite	Pb10Zn(CrO4)6(SiO4)2F2	1
Hemimorphite	Zn4Si2O7(OH)2•(H2O)	>10
Hendricksite	K(Zn,Mg,Mn)3Si3AlO10(OH)2	1
Henmilite	Ca2Cu[B(OH)4]2(OH)4	1
Hentschelite	Cu++Fe+++2(PO4)2(OH)2	>2
Hercynite	Fe++Al2O4	>2
Herderite	CaBe(PO4)F	>2
Herzenbergite	SnS	1
Hessite	Ag2Te	>2
Heterogenite	Co+++O(OH)	1
Heteromorphite	Pb7Sb8S19	1
Heterosite	Fe+++PO4	1
Heulandite-Ca	(Ca,Na)2-3Al3(Al,Si)2Si13O36•12(H2O)	>10
Hewettite	CaV6O16•9(H2O)	>2
Hexahydrite	MgSO4•6(H2O)	>2
Heyrovskýite	Pb10AgBi5S18	1
Hibonite	(Ca,Ce)(Al,Ti,Mg)12O19	1
Hidalgoite	PbAl3(AsO4)(SO4)(OH)6	1
Hilairite	Na2ZrSi3O9•3(H2O)	>2
Hillebrandite	Ca6Si3O9(OH)6	>2
Hinsdalite	(Pb,Sr)Al3(PO4)(SO4)(OH)6	>2
Hinsdalite, var. P-rich Hinsdalite	PbAl3(PO4,SO4)2(OH)6	1
Hiortdahlite	(Ca,Na,Y)3(Zr,Ti)Si2O7(F,O,OH)2	>2
Hisingerite	Fe+++2Si2O5(OH)4•2(H2O)	>2
Hisingerite-Neotocite group, undefined	(Fe3+)(Mn2+,Ca,Mg)Si4O10(OH)3•10(H2O)	1
Hocartite	Ag2FeSnS4	>2
Hochelagaite	(Ca,Na,Sr)Nb4O11•8(H2O)	1
Hodgkinsonite	MnZn2SiO4(OH)2	>2
Hodrušite	Cu8Bi12S22	>2
Hohmannite	Fe+++2(SO4)2(OH)2•7(H2O)	1
Holdenite	(Mn,Mg)6Zn3(AsO4)2(SiO4)(OH)8	1
Hollandite	Ba(Mn++++,Mn++)8O16	>2
Holmquistite	[ ](Li2Mg3Al2)Si8O22(OH)2	>2
Holtedahlite	Mg12(PO3OH,CO3)(PO4)5(OH,O)6	1
Homilite	Ca2(Fe++,Mg)B2Si2O10	>2

Honessite	Ni6Fe+++2(SO4)(OH)16•4(H2O)	1
Hopeite	Zn3(PO4)2•4(H2O)	>10
Hotsonite-VII	Al11(SO4)3(PO4)2(OH)21•16(H2O)	1
Howieite	Na(Fe++,Mn++)10(Fe,Al)2Si12O31(OH)13	1
Howlite	Ca2B5SiO9(OH)5	>2
Huanghoite-(Ce)	BaCe(CO3)2F	1
Hübnerite	MnWO4	>10
Huemulite	Na4Mg(V10O28)•24(H2O)	>2
Hulsite	(Fe++,Mg)2(Fe+++,Sn)O2(BO3)	1
Humberstonite	K3Na7Mg2(SO4)6(NO3)2•6(H2O)	1
Humboldtine	Fe++(C2O4)•2(H2O)	1
Humite	(Mg,Fe++)7(SiO4)3(F,OH)2	>2
Hummerite	KMgV+++++5O14•8(H2O)	1
Huntite	CaMg3(CO3)4	1
Hureaulite	Mn5(PO3OH)2(PO4)2•4(H2O)	>2
Hurlbutite	CaBe2(PO4)2	>2
Hutchinsonite	(Pb,Tl)2As5S9	>2
Hydrobasaluminite	Al4(SO4)(OH)10•12-36(H2O)	1
Hydroboracite	CaMgB6O8(OH)6•3(H2O)	>2
Hydrocalumite	Ca2Al(OH)6[Cl1-x(OH)x]•3(H2O)	>2
Hydrocerussite	Pb3(CO3)2(OH)2	>10
Hydrodelhayelite	KCa2AlSi7O17(OH)2•6(H2O)	1
Hydrohetaerolite	Zn2Mn+++4O8•(H2O)	>2
Hydrohonessite	Ni6Fe+++2(SO4)(OH)16•7(H2O)	>10
Hydrokenoralstonite	NaxMgxAl2-x(F,OH)6•(H2O)	>2
Hydromagnesite	Mg5(CO3)4(OH)2•4(H2O)	>10
Hydroniumjarosite	(H3O)Fe+++3(SO4)2(OH)6	>2
Hydropyrochlore	(H2O,Sr)(Nb,Ti)(O,OH)6•(H2O,K)	1
Hydrotalcite	Mg6Al2(CO3)(OH)16•4(H2O)	>2
Hydrotalcite-2H	Mg6Al2(CO3)(OH)16•4(H2O)	>2
Hydrotungstite	H2WO4•(H2O)	>2
Hydroxyapophyllite-(K)	KCa4(Si8O20)(OH,F) · 8H2O	>2
Hydroxykenomicrolite	(Cs,Na)SbTa4O12	1
Hydroxylapatite, var. As-rich Hydroxylapatite	Ca5(AsO4)3OH	2
Hydroxylapatite, var. carbonate-rich hydroxylapatite	Ca5(PO4,CO3)3(OH)	1
Hydroxylherderite	CaBe(PO4)(OH)	>2
Hydrozincite	Zn5(CO3)2(OH)6	>10
Hypercinnabar	HgS	1
Ianthinite	(UO2)•5(UO3)•10(H2O)	1
Idaite	Cu5FeS6	1
Idrialite	C22H14	>2

Ikranite	(Na,H3O)15(Ca,Mn,REE)6Fe+++2Zr3([ ],Zr)([ ],Si)Si24O66(O,OH)6Cl•2-3H2O	1
Ilesite	(Mn,Zn,Fe++)SO4•4(H2O)	1
Ilímaussite-(Ce)	(Ba,Na)10K3Na4.5Ce5(Nb,Ti)6[Si12O36][Si9O18(O,OH)24]O6	1
Ilmajokite	(Na,Ce,La,Ba)2TiSi3O5(OH)10•n(H2O)	1
Ilmenite	Fe++TiO3	>10
Ilsemannite	Mo3O8•n(H2O)	1
Ilvaite	CaFe++2Fe+++Si2O7O(OH)	>10
Imhofite	Tl6CuAs16S40	1
Imiterite	Ag2HgS2	1
Inderborite	CaMg[B3O3(OH)5]2•6(H2O)	1
Inderite	MgB3O3(OH)5•5(H2O)	1
Indium	In	1
Inesite	Ca2Mn7Si10O28(OH)2•5(H2O)	>2
Ingodite	Bi(S,Te)	1
Inyoite	Ca2B6O6(OH)10•8(H2O)	>2
Iodargyrite	AgI	>2
Iranite	Pb10Cu(CrO4)6(SiO4)2(F,OH)2	>2
Iraqite-(La)	K(La,Ce,Th)2(Ca,Na)4(Si,Al)16O40	>2
Iridium	(Ir,Os,Ru,Pt)	1
Iriginite	(UO2)(Mo++++++2O7)•3(H2O)	>2
Iron	Fe	>2
Isokite	CaMg(PO4)F	>2
Iwakiite	Mn++(Fe+++,Mn+++)2O4	1
Ixiolite	(Ta,Nb,Sn,Mn++,Fe++)O2	>2
Jacobsite	(Mn++,Fe++,Mg)(Fe+++,Mn+++)2O4	>2
Jadeite	Na(Al,Fe+++)Si2O6	>10
Jagowerite	BaAl2(PO4)2(OH)2	1
Jahnsite-(CaMnFe)	CaMn++Fe++2Fe+++2(PO4)4(OH)2•8(H2O)	1
Jahnsite-(CaMnMg)	CaMnMg2Fe+++2(PO4)4(OH)2•8(H2O)	>2
Jamborite	(Ni++,Ni+++,Fe)(OH)2(OH,S,(H2O))	>2
Jamesite	Pb2Zn2Fe+++5(AsO4)5O4	>2
Jamesonite	Pb4FeSb6S14	>10
Janhaugite	(Na,Ca)3(Mn++,Fe++)3(Ti++++,Zr,Nb)2Si4O15(OH,F,O)3	1
Jarlite	Na(Sr,Na,[ ])7(Mg,[ ])Al6F32(OH,H2O)2	1
Jarosite	KFe+++3(SO4)2(OH)6	>10
Jaskólskiite	Pb2+xCux(Sb,Bi)2-xS5,	1
Jennite	Ca9Si6O18(OH)6•8H2O	1
Jeremejevite	Al6B5O15(F,OH)3	>2
Jerrygibbsite	(Mn,Zn)9(SiO4)4(OH)2	1
Joaquinite-(Ce)	NaFe++Ba2Ce2(Ti,Nb)2[Si4O12]2O2(OH,F)•(H2O)	1
Joesmithite	PbCa2(Mg,Fe++,Fe+++)5Si6Be2O22(OH)2	>2

Johannite	Cu(UO2)2(SO4)2(OH)2•8(H2O)	>2
Johannsenite	CaMnSi2O6	1
Johnsomervilleite	Na2Ca(Mg,Fe++,Mn)7(PO4)6	>2
Jonesite	Ba2(K,Na)[Ti2(Si5Al)O18•n(H2O)	>2
Jordanite	Pb14(As,Sb)6S23	>2
Joseite, undifferentiated	Bi4(S,Te)3	>2
Jouravskite	Ca3Mn++++(SO4,CO3)2(OH)6•12(H2O)	1
Julgoldite-(Fe2+)	Ca2Fe++(Fe+++,Al)2(SiO4)(Si2O7)(OH)2•(H2O)	>10
Junitoite	CaZn2Si2O7•(H2O)	1
Juonniite	CaMgSc(PO4)2(OH)•4(H2O)	1
Jurbanite	Al(SO4)(OH)•5(H2O)	1
Kaatialaite	Fe+++[H2As+++++O4]3•5-5.5(H2O)	1
Kaersutite	NaCa2(Mg4Ti)Si6Al2O23(OH)2	>10
Kahlerite	Fe++(UO2)2(AsO4)2•10-12(H2O)	1
Kainite	MgSO4•KCl•3(H2O)	>2
Kainosite-(Y)	Ca2(Y,Ce)2Si4O12(CO3)•(H2O)	>2
Kaliborite	KHMg2B12O16(OH)10•4(H2O)	1
Kalinite	KAl(SO4)2•11(H2O)	1
Kaliophilite	KAlSiO4	>2
Kalsilite	KAlSiO4	1
Kambaldaite	NaNi4(CO3)3(OH)3•3(H2O)	>2
Kamotoite-(Y)	(Y,Nd,Gd)2U++++++4(CO3)3O12•14.5(H2O)	1
Kaňkite	Fe+++AsO4•3.5(H2O)	>2
Kaolinite	Al2Si2O5(OH)4	>10
Kapustinite	Na5.5Mn0.25ZrSi6O16(OH)2	1
Karpatite	C24H12	1
Kasolite	Pb(UO2)SiO4•(H2O)	>2
Kassite	CaTi2O4(OH)2	1
Katayamalite	(K,Na)Ca7Li3Ti2[Si6O18]2(OH,F)2	1
Katophorite	Na(CaNa)Fe++4(Al,Fe+++)Si7AlO22(OH)2	>2
Katoptrite	(Mn,Mg)13(Al,Fe+++)4Sb+++++2Si2O28	1
Kawazulite	Bi2(Te,Se,S)3	>2
Keckite	Ca(Mn,Zn)2Fe+++3(PO4)4(OH)3•2(H2O)	1
Keldyshite	Na2-xHxZrSi2O7•n(H2O)	1
Kentrolite	Pb2Mn+++2Si2O9	>2
Kenyaite	Na2Si22O41(OH)8•6(H2O)	1
Kermesite	Sb2S2O	>10
Kernite	Na2B4O6(OH)2•3(H2O)	>2
Këșterite	Cu2(Zn,Fe)SnS4	>2
Kettnerite	CaBi(CO3)OF	>2
Keyite	Cu++3(Zn,Cu)4Cd2(AsO4)6•2(H2O)	1

Khinite	PbCu++3Te++++++O6(OH)2	1
Khinite, var. Parakhinite	Pb2+Cu2+3Te6+O6(OH)2	1
Kidwellite	Na(Fe+++,Cu)9+x(PO4)6(OH)11•3(H2O)	>2
Kieserite	MgSO4•(H2O)	>2
Kilchoanite	Ca3Si2O7	>2
Kimuraite-(Y)	CaY2(CO3)4•6(H2O)	>2
Kimzeyite	Ca3(Zr,Ti)2(Si,Al,Fe+++)3O12	1
Kingite	Al3(PO4)2(F,OH)2•8(H2O,OH)	>2
Kingsmountite	(Ca,Mn++)4(Fe++,Mn++)Al4(PO4)6(OH)4•12(H2O)	1
Kinoite	Ca2Cu2Si3O8(OH)4	>2
Kinoshitalite	(Ba,K)(Mg,Mn,Al)3Si2Al2O10(OH)2	1
Kipushite	(Cu,Zn)5Zn(PO4)2(OH)6•(H2O)	1
Kladnoite	C6H4(CO)2NH	>2
Klebelsbergite	Sb+++4O4(OH)2(SO4)	1
Kleinite	Hg2N(Cl,SO4)•n(H2O)	1
Kobeite-(Y)	(Y,U)(Ti,Nb)2(O,OH)6	1
Kobellite	Pb22Cu4(Bi,Sb)30S69	1
Koechlinite	Bi2MoO6	>2
Koenenite	Na4Mg4Cl12•Mg5Al4(OH)22	>2
Kogarkoite	Na3(SO4)F	1
Koktaite	(NH4)2Ca(SO4)2•(H2O)	1
Kolbeckite	ScPO4•2(H2O)	1
Kolwezite	(Cu,Co)2(CO3)(OH)2	>2
Kombatite	Pb14(VO4)2O9Cl4	1
Koninckite	Fe+++PO4•3(H2O)	1
Kornelite	Fe+++2(SO4)3•7(H2O)	1
Kornerupine	(Mg,Fe++)4Al6(SiO4,BO4)5(O,OH)2	>2
Korobitsynite	Na3(Ti,Nb)2[Si4O12](OH,O)2•3-4(H2O)	1
Kosnarite	KZr++++2(PO4)3	1
Kotoite	Mg3B2O6	1
Köttigite	Zn3(AsO4)2•8(H2O)	1
Koutekite	Cu5As2	1
Kovdorskite	Mg5(PO4)2(CO3)(OH)2•4.5(H2O)	>2
Kozoite-(La)	La(CO3)(OH)	1
Kozoite-(Nd)	(Nd,La,Sm,Pr)(CO3)(OH)	>2
Kozulite	NaNa2Mn++4(Fe+++,Al)Si8O22(OH)2	1
Kraisslite	(Mn++,Mg)24Zn3Fe+++(As+++O3)2(As+++++O4)3(SiO4)6(OH)18	1
Krauskopfite	BaSi2O4(OH)2•2(H2O)	>2
Krautite	MnAs+++++O3(OH)2•(H2O)	1
Krennerite	AuTe2	>2
Kröhnkite	Na2Cu(SO4)2•2(H2O)	>2

Krupkaite	PbCuBi3S6	>2
Kryzhanovskite	MnFe+++2(PO4)2(OH)2•(H2O)	1
Ktenasite	(Cu,Zn)5(SO4)2(OH)6•6(H2O)	>2
Kulanite	Ba(Fe++,Mn,Mg)2Al2(PO4)3(OH)3	>2
Kuliokite-(Y)	(Y,REE)4Al(SiO4)2(OH)2F5	1
Kupletskite	K2Na(Mn,Fe++)7(Ti,Nb)2Si8O26(OH)4F	>2
Kuranakhite	PbMn++++Te++++++O6	1
Kurnakovite	MgB3O3(OH)5•5(H2O)	>2
Kutnohorite	Ca(Mn,Mg,Fe++)(CO3)2	1
Kuzmenkoite-Mn	(K,Na)2(Mn,Fe)(Ti,Nb)4[Si4O12]2(OH)4•5(H2O)	1
Kyanite	Al2SiO5	>10
Labuntsovite-Mg	Na4K4(Ba,K)(Mg,Fe)1+xTi8(Si4O12)4(O,OH)8•10(H2O)	>2
Lacroixite	NaAl(PO4)F	1
Laffittite	AgHgAsS3	>2
Laihunite	Fe++Fe+++2(SiO4)2	1
Laitakarite	Bi4(Se,S)3	1
Lammerite	Cu3[(As,P)O4]2	1
Lamprophyllite	Na2(Sr,Ba)2Ti3(SiO4)4(OH,F)2	>2
Lanarkite	Pb2(SO4)O	>10
Landesite	(Mn,Mg)9Fe+++3(PO4)8(OH)3•9(H2O)	1
Långbanite	(Mn,Ca,Fe)++4(Mn+++,Fe+++)9Sb+++++Si2O24	1
Langbeinite	K2Mg2(SO4)3	>2
Langite	Cu4(SO4)(OH)6•2(H2O)	>2
Lannonite	HCa4Mg2Al4(SO4)8F9•32(H2O)	>2
Lansfordite	MgCO3•5(H2O)	>2
Lanthanite-(Ce)	(Ce,La)2(CO3)3•8(H2O)	1
Lanthanite-(La)	(La,Ce)2(CO3)3•8(H2O)	>2
Lanthanite-(Nd)	(Nd,La)2(CO3)3•8(H2O)	>2
Laphamite	As2(Se,S)3	1
Larderellite	(NH4)B5O6(OH)4	1
Larsenite	PbZnSiO4	>2
Latiumite	(Ca,K)8(Al,Mg,Fe)(Si,Al)10O25(SO4)	>2
Latrappite	(Ca,Na)(Nb,Ti,Fe)O3	1
Laueite	Mn++Fe+++2(PO4)2(OH)2•8(H2O)	>2
Laumontite	CaAl2Si4O12•4(H2O)	>10
Laurionite	PbCl(OH)	1
Laurite	RuS2	1
Lavendulan	NaCaCu5(AsO4)4Cl•5(H2O)	>2
Låvenite	(Na,Ca)2(Mn,Fe++)(Zr,Ti,Nb)Si2O7(O,OH,F)	>2
Lawsonbauerite	(Mn,Mg)9Zn4(SO4)2(OH)22•8(H2O)	1
Lawsonite	CaAl2Si2O7(OH)2•(H2O)	1

Lazulite	MgAl2(PO4)2(OH)2	>10
Lazurite	Na3Ca(Al3Si3O12)S	>10
Lead	Pb	>10
Leadhillite	Pb4(SO4)(CO3)2(OH)2	>10
Lechatelierite	SiO2	>2
Legrandite	Zn2(AsO4)(OH)•(H2O)	1
Leightonite	K2Ca2Cu(SO4)4•2(H2O)	1
Leiteite	ZnAs+++2O4	>2
Lemoynite	(Na,K)2CaZr2Si10O26•5-6(H2O)	>2
Lengenbachite	Pb6(Ag,Cu)2As4S13	1
Lenoblite	V2O4•2(H2O)	>2
Leonite	K2Mg(SO4)2•4(H2O)	>2
Lepersonnite-(Gd)	CaGd2(UO3)24(CO3)8(SiO4)4O4•60(H2O)	>2
Lepidocrocite	FeO(OH)	>10
Letovicite	(NH4)3H(SO4)2	1
Leucite	KAlSi2O6	>10
Leucophanite	(Na,Ca)2BeSi2(O,OH,F)7	>2
Leucophoenicite	Mn7(SiO4)3(OH)2	>2
Leucophosphite	KFe+++2(PO4)2(OH)•2(H2O)	1
Lévyne-Ca	(Ca,Na2,K2)Al2Si4O12•6(H2O)	>10
Libethenite	Cu2(PO4)(OH)	>10
Liebigite	Ca2(UO2)(CO3)3•11(H2O)	>2
Lillianite	Pb3Bi2S6	1
Linarite	PbCu(SO4)(OH)2	>10
Lindackerite	CuCu4(AsO4)2(AsO3OH)2•~9(H2O)	1
Lindgrenite	Cu3(MoO4)2(OH)2	1
Lindströmite	Pb3Cu3Bi7S15	1
Linnaeite	Co++Co+++2S4	1
Liottite	(Ca,Na,K)8(Si,Al)12O24[(SO4),(CO3),Cl,OH]4•(H2O)	1
Lipscombite	(Fe++,Mn)Fe+++2(PO4)2(OH)2	>2
Liroconite	Cu2Al(AsO4)(OH)4•4(H2O)	>10
Liskeardite	(Al,Fe+++)3(AsO4)(OH)6•5(H2O)	>2
Litharge	PbO	1
Lithiophilite	LiMnPO4	>2
Lithiophorite	(Al,Li)Mn++++O2(OH)2	1
Litvinskite	Na2([ ],Na,Mn)Zr[Si6O12(OH,O)6]	1
Liveingite	Pb9As13S28	>2
Livingstonite	HgSb4S8	>2
Lizardite	Mg3Si2O5(OH)4	>2
Lokkaite-(Y)	CaY4(CO3)7•9(H2O)	>2
Löllingite	FeAs2	>10

Lomonosovite	Na5Ti2O2(Si2O7)(PO4)	1
Londonite	CsAl4Be4(B,Be)12O28	>2
Loparite-(Ce)	(Ce,Na,Ca)2(Ti,Nb)2O6	>2
Lorándite	TlAsS2	1
Lorenzenite	Na2Ti2Si2O9	>10
Lotharmeyerite	CaZnMn+++(AsO3OH)4(OH)3	1
Loughlinite	Na2Mg3Si6O16•8(H2O)	1
Lourenswalsite	(K,Ba)2(Ti,Mg,Ca,Fe)4(Si,Al,Fe)6O14(OH)12	>2
Lovozerite	H4Na2Ca(Zr,Ti)[Si6O18]	1
Luddenite	Pb2Cu2Si5O14•14(H2O)	1
Ludlamite	(Fe++,Mg,Mn)3(PO4)2•4(H2O)	>2
Ludlockite	(Fe++,Pb)As+++++2O6	1
Ludwigite	Mg2Fe+++BO5	>10
Lueshite	NaNbO3	>2
Luetheite	Cu2Al2(AsO4)2(OH)4•(H2O)	>2
Lüneburgite	Mg3B2(PO4)2(OH)6•5(H2O)	1
Luzonite	Cu3AsS4	1
Macdonaldite	BaCa4[Si16O36(OH)2]•10(H2O)	>2
Macfallite	Ca2(Mn+++,Al)3(SiO4)(Si2O7)(OH)3	1
Macphersonite	Pb4(SO4)(CO3)2(OH)2	>2
Macquartite	Pb3Cu(CrO4)(SiO3)(OH)4•2(H2O)	1
Magadiite	NaSi7O13(OH)3•4(H2O)	>2
Maghemite	gamma-Fe+++2O3	1
Magnesio-arfvedsonite	NaNa2(Mg4Fe++)Si8O22(OH)2	1
Magnesioaubertite	(Mg,Cu)Al(SO4)2Cl•14(H2O)	1
Magnesiochromite	MgCr2O4	1
Magnesio-hastingsite	NaCa2(Mg4Fe+++)Si6Al2O22(OH)2	>2
Magnesiohögbomite-2N3S	(Mg,Fe++)1.4Ti0.3Al4O8	>2
Magnesio-hornblende	Ca2[Mg4(Al,Fe+++)]Si7AlO22(OH)2	>10
Magnesiokatophorite	Na(CaNa)Mg4AlSi7AlO22(OH)2	1
Magnesioriebeckite	[ ]Na2[(Mg,Fe++)3Fe+++2]Si8O22(OH)2	>2
Magnesite	MgCO3	>10
Magnetite	Fe++Fe+++2O4	>10
Magnetoplumbite	Pb(Fe+++,Mn+++)12O19	1
Magnussonite	Mn++5As+++3O9(OH,Cl)	1
Malachite	Cu2(CO3)(OH)2	>10
Malayaite	CaSnSiO5	>10
Malhmoodite	FeZr(PO4)2•4(H2O)	1
Manandonite	Li2Al4[(Si2AlB)O10](OH)8	1
Mandarinoite	Fe+++2Se3O9•6(H2O)	1
Manganbabingtonite	Ca2(Mn,Fe++)Fe+++Si5O14(OH)	1

Manganberzeliite	(Ca,Na)3(Mn,Mg)2(AsO4)3	1
Manganese oxides, undefined	(Ca,Na)3(Mn,Mg)2(AsO4)3	>10
Manganite	MnO(OH)	>10
Manganocummingtonite	Na(Na,Mn)2(Mg4,Fe+++)5Si8O22(OH)2	1
Manganogrunerite	[ ]Mn2Fe++5Si8O22(OH)	1
Manganosite	MnO	>2
Manjiroite	(Na,K)(Mn++++,Mn++)8O16•n(H2O)	1
Mansfieldite	AlAsO4•2(H2O)	1
Mantienneite	KMg2Al2Ti(PO4)4(OH)3•15(H2O)	1
Marcasite	FeS2	>10
Margaritasite	(Cs,K,H3O)2(UO2)2V2O8•(H2O)	1
Margarite	CaAl2(Al2Si2)O10(OH)2	>2
Margarosanite	Pb(Ca,Mn++)2Si3O9	>2
Marićite	NaFe++PO4	>2
Marokite	CaMn+++2O4	1
Marshite	CuI	1
Marsturite	NaCaMn3[Si5O14(OH)]	>2
Marthozite	Cu[(UO2)3(SeO3)2O2]•8(H2O)	>2
Mascagnite	(NH4)2SO4	>2
Massicot	PbO	1
Masutomilite	K(Li,Al,Mn++)3[(Si,Al)4O10](F,OH)2	1
Masuyite	Pb[(UO2)3O3(OH)2]•3(H2O)	>2
Matildite	AgBiS2	>2
Matlockite	PbFCl	>2
Mattagamite	CoTe2	>2
Matteuccite	NaHSO4•(H2O)	1
Mattheddleite	Pb20(SiO4)7(SO4)4Cl4	>2
Matulaite	CaAl18(PO4)12(OH)20•28(H2O)	>2
Maucherite	Ni11As8	>2
Maxwellite	NaFe+++(AsO4)F	1
Mazzite-Mg	K2CaMg2(Al,Si)36O72•28(H2O)	1
Mcallisterite	Mg2B12O14(OH)12•9(H2O)	1
Mcgillite	(Mn,Fe++)8Si6O15(OH)8Cl2	>2
Mcgovernite	Mn9Mg4Zn2As2Si2O17(OH)14	>2
Mcguinnessite	(Mg,Cu)2(CO3)(OH)2	>2
Mckelveyite-(Y)	NaCa(Ba,Sr)3(Y,REE)(CO3)6•3(H2O)	>2
Mckinstryite	(Ag,Cu)2S	>2
Meionite	Ca4Al6Si6O24CO3	>10
Meixnerite	Mg6Al2(OH)18•4(H2O)	1
Melanocerite-(Ce)	(Ce,Th,Ca)5(Si,B)3O12(OH,F)•n(H2O)	>2
Melanophlogite	SiO2•n(C,H,O,S)	>2

Melanotekite	Pb2Fe+++2Si2O9	1
Melanovanadite	CaV++++2V+++++2O10•5(H2O)	1
Melanterite	Fe++SO4•7(H2O)	>2
Meliphanite	(Ca,Na)2Be[(Si,Al)2O6(F,OH)]	>2
Mellite	Al2[C6(COO)6]•16(H2O)	>2
Melonite	NiTe2	>2
Mendipite	Pb3Cl2O2	>2
Mendozavilite, undifferentiated	(Na,Mg)Ca2[Mo++++++8P+++++2Fe+++3O36(OH)]•n(H2O),	1
Mendozite	NaAl(SO4)2•11(H2O)	1
Meneghinite	Pb13CuSb7S24	>2
Mercury	Hg	>2
Merlinoite	(K,Ca,Na,Ba)7Si23Al9O64•23(H2O)	1
Merwinite	Ca3Mg(SiO4)2	>2
Mesolite	Na2Ca2Al6Si9O30•8(H2O)	>10
Messelite	Ca2(Fe++,Mn)(PO4)2•2(H2O)	>2
Meta-aluminite	Al2(SO4)(OH)4•5(H2O)	1
Meta-ankoleite	K2(UO2)2(PO4)2•6(H2O)	1
Meta-autunite	Ca(UO2)2(PO4)2•2-6(H2O)	1
Metacinnabar	HgS	>2
Metaheinrichite	Ba(UO2)2(AsO4)2•8(H2O)	1
Metahewettite	CaV6O16•3(H2O)	>2
Metahohmannite	Fe+++2[O(SO4)2]•4(H2O)	1
Metaschoderite	Al2(PO4)(VO4)•6(H2O)	1
Metasideronatrite	Na2Fe+++(SO4)2(OH)•(H2O)	>2
Metaswitzerite	Mn3(PO4)2•4(H2O)	1
Metatorbernite	Cu(UO2)2(PO4)2•8(H2O)	>2
Metatyuyamunite	Ca(UO2)2V2O8•3(H2O)	1
Metauranocircite-I	Ba(UO2)2(PO4)2•6-8(H2O)	1
Metavariscite	AlPO4•2(H2O)	>2
Metavauxite	Fe++Al2(PO4)2(OH)2•8(H2O)	1
Metavivianite	(Fe++3-x,Fe+++x)(PO4)2(OH)x•8-x(H2O),	1
Metavoltine	K4Na4(Fe++,Zn)Fe+++6(SO4)12O2•20(H2O)	1
Metazeunerite	Cu(UO2)2(AsO4)2•8(H2O)	>2
Meurigite-K	[K(H2O)2.5][Fe+++8(PO4)6(OH)7(H2O)4]	1
Meyerhofferite	Ca2B6O6(OH)10•2(H2O)	>2
Miargyrite	AgSbS2	>2
Mica Group (Annite-Phlogopite and Siderophyllite-Eastonite series), undifferentiated	K(Mg,Fe++)3[AlSi3O10(OH,F)2	>10
Mica Group, undifferentiated	KLiFe++Al(AlSi3)O10(F,OH)2	>10
Microcline	KAlSi3O8	>10
Microcline, var. Hyalophane	(K,Ba)Al(Si,Al)3O8	1
Microlite	(Na,Ca)2Ta2O6(O,OH,F)	>2

Microsommite	(Na,Ca,K)7-8(Si,Al)12O24(Cl,SO4)2-3	>2
Mieite-(Y)	K3Na2Mn5Si12(O,OH)36•2H2O	1
Miersite	(Ag,Cu)I	1
Milarite	K2Ca4Al2Be4Si24O60•(H2O)	>2
Millerite	NiS	>10
Millisite	(Na,K)CaAl6(PO4)4(OH)9•3(H2O)	>2
Millosevichite	(Al,Fe+++)2(SO4)3	1
Mimetite	Pb5(AsO4)3Cl	>10
Minasragrite	VO(SO4)•5(H2O)	1
Mineevite-(Y)	Na25Ba(Y,Gd,Dy)2(HCO3)4(CO3)11(SO4)2ClF2	1
Minguzzite	K3Fe+++(C2O4)3•3(H2O)	1
Minium	Pb++2Pb++++O4	>10
Minnesotaite	(Fe++,Mg)3Si4O10(OH)2	1
Minyulite	KAl2(PO4)2(OH,F)•4(H2O)	>2
Mirabilite	Na2SO4•10(H2O)	1
Miserite	K1.5-x(Ca,	1
Mitridatite	Ca2Fe+++3(PO4)3O2•3(H2O)	>2
Mixite	BiCu6(AsO4)3(OH)6•3(H2O)	>2
Mogánite	SiO2	>2
Moluranite	H4U++++(UO2)3(MoO4)7•18(H2O)	1
Molybdenite	MoS2	>10
Molybdite	MoO3	1
Molybdofornacite	Pb2Cu[(As,P)O4][(Mo,Cr)O4](OH)	1
Molysite	Fe+++Cl3	1
Monazite-(Ce)	(Ce,La,Nd,Th)PO4	>10
Monazite-(Nd)	(Nd,Ce,La)(P,Si)O4	1
Monetite	CaHPO4	>2
Monohydrocalcite	CaCO3•(H2O)	>2
Montanite	Bi2Te++++++O6•2(H2O)	>2
Montdorite	(K,Na)(Fe++,Mn++,Mg)2.5[Si4O10](F,OH)2	1
Montebrasite	LiAl(PO4)(OH,F)	>2
Monteregianite-(Y)	(Na,K)6(Y,Ca)2Si16O38•10(H2O)	>2
Montgomeryite	Ca4MgAl4(PO4)6(OH)4•12(H2O)	>2
Monticellite	CaMgSiO4	>10
Montmorillonite	(Na,Ca)0,3(Al,Mg)2Si4O10(OH)2•n(H2O)	>2
Montroseite	(V+++,Fe+++,V++++)O(OH)	1
Montroyalite	Sr4Al8(CO3)3(OH,F)26•10-11(H2O)	1
Montroydite	HgO	1
Mooihoekite	Cu9Fe9S16	>2
Moolooite	Cu++(C2O4)•n(H2O)	1
Mooreite	(Mg,Zn,Mn)15(SO4)2(OH)26•8(H2O)	1

Moraesite	Be2(PO4)(OH)•4(H2O)	1
Mordenite	(Ca,Na2,K2)Al2Si10O24•7(H2O)	>10
Morenosite	NiSO4•7(H2O)	1
Morimotoite	Ca3TiFe++Si3O12	1
Morinite	NaCa2Al2(PO4)2(F,OH)5•2(H2O)	>2
Mosandrite-(Ce)	Na(Na,Ca)2(Ca,Ce,Y)4(Ti,Nb,Zr)(Si2O7)2(O,F)2F3	>2
Moschellandsbergite	Ag2Hg3	>10
Mosesite	Hg2N(Cl,SO4,MoO4,CO3)•(H2O)	1
Mottramite	PbCu(VO4)(OH)	>10
Mottramite, var. duhamelite	Pb2Cu4Bi(VO4)4(OH)3•8(H2O)	>2
Motukoreaite	Na2Mg38Al24(CO3)13(SO4)8(OH)108•56(H2O)	>2
Mounanaite	PbFe+++2(VO4)2(OH)2	1
Mountkeithite	(Mg,Ni)11(Fe+++,Cr)3(SO4,CO3)3.5(OH)24•11(H2O)	>2
Mpororoite	Al(WO3)(OH)3•2(H2O)	1
Mrázekite	Bi+++2Cu++3(PO4)2O2(OH)2•2(H2O)	1
Muirite	Ba10Ca2Mn++TiSi10O30(OH,Cl,F)10	>2
Mullite	Al(4+2x)Si(2-2x)O(10-x)	>10
Murdochite	PbCu6O8-x(Cl,Br)2x	>2
Murmanite	(Na,[ ])2{(Na,Ti)4[Ti2(O,H2O)4Si4O14](OH,F)2}•2H2O	>10
Muscovite	KAl2(Si3Al)O10(OH,F)2	>10
Muscovite, var. Illite	(K,H3O)(Al,Mg,Fe)2(Si,Al)4O10[(OH)2,(H2O)]	>2
Muscovite, var. Lithium Muscovite	K(Li,Al)3(Si,Al)4O10(F,OH)2	>10
Mushistonite	(Cu,Zn,Fe)Sn++++(OH)6	>2
Nacaphite	Na(Na,Ca)2(PO4)F	1
Nacrite	Al2Si2O5(OH)4	1
Nadorite	PbSbO2Cl	>2
Nagyágite	AuPb(Sb,Bi)Te2-3S6	>10
Nahcolite	NaHCO3	>2
Nakauriite	(Mn,Ni,Cu)8(SO4)4(CO3)(OH)6•48(H2O)	>2
Nalipoite	NaLi2PO4	1
Nambulite	(Li,Na)Mn++4[Si5O14(OH)]	1
Namibite	Cu++Bi2(VO4)O2	>2
Namuwite	(Zn,Cu)4(SO4)(OH)6•4(H2O)	1
Nantokite	CuCl	1
Narsarsukite	Na2(Ti,Fe+++)Si4(O,F)11	>2
Nasonite	Pb6Ca4Si6O21Cl2	1
Natrite	Na2CO3	1
Natroalunite	NaAl3(SO4)2(OH)6	>2
Natrochalcite	NaCu2(SO4)2(OH)•(H2O)	1
Natrojarosite	NaFe+++3(SO4)2(OH)6	1
Natrolite	Na2[Al2Si3O10]•2(H2O)	>10

Natrolite, undifferentiated	Na2[Al2Si3O10]•2(H2O)	>2
Natron	Na2CO3•10(H2O)	1
Natrophosphate	Na7(PO4)2F•19(H2O)	1
Natrosilite	Na2Si2O5	1
Natroxalate	Na2C2O4	>2
Naujakasite	Na6(Fe++,Mn)Al4Si8O26	>2
Naumannite	Ag2Se	1
Navajoite	V2O5•3(H2O)	1
Nealite	Pb4Fe++(As+++O3)2Cl4•2(H2O)	1
Nekoite	Ca3Si6O15•7(H2O)	>2
Nekrasovite	Cu+26V2(Sn,As,Sb)6S32	>2
Neltnerite	CaMn+++6SiO12	1
Nenadkevichite	(Na,Ca,K)(Nb,Ti)Si2O6(O,OH)•2(H2O)	>2
Neotocite	(Mn,Fe++)SiO3•(H2O)	>2
Nepheline	(Na,K)AlSiO4	>10
Népouite	Ni3Si2O5(OH)4	1
Neptunite	KNa2Li(Fe++,Mn)2Ti2Si8O24	>10
Nesquehonite	Mg(HCO3)(OH)•2(H2O)	1
Newberyite	Mg(PO3OH)•3(H2O)	1
Neyite	AgCu3Pb12.5Bi13S34	1
Ni bearing mixture of serpentine, talc and smectite family, undifferentiated	Ni3Si4O10(OH)2•4(H2O)	>10
Nickel	Ni	1
Nickelaustinite	Ca(Ni,Zn)(AsO4)(OH)	1
Nickeline	NiAs	>10
Nickelskutterudite	(Ni,Co)As3-x	>2
Nifontovite	Ca3B6O6(OH)12•2(H2O)	1
Ningyoite	(U,Ca,Ce)2(PO4)2•1-2(H2O)	1
Niocalite	Ca14Nb2(Si2O7)4O6F2	>2
Nissonite	Cu2Mg2(PO4)2(OH)2•5(H2O)	>2
Nitratine	NaNO3	>10
Nitromagnesite	Mg(NO3)2•6(H2O)	1
Nobleite	CaB6O9(OH)2•3(H2O)	1
Nolanite	(V+++,Fe++,Fe+++,Ti)10O14(OH)2	1
Nontronite	Na0.3Fe+++2(Si,Al)4O10(OH)2•n(H2O)	>10
Norbergite	Mg3(SiO4)(F,OH)2	>2
Nordstrandite	Al(OH)3	>2
Normandite	NaCa(Mn++,Fe++)(Ti,Nb,Zr)Si2O7(O,F)2	1
Norsethite	BaMg(CO3)2	1
Northupite	Na3Mg(CO3)2Cl	>2
Nosean	Na8Al6Si6O24(SO4)	>2
Nováčekite, undifferentiated	Mg(UO2)2(AsO4)2•12(H2O)	>2

Nsutite	(Mn++++1-x)(Mn++x)(O2-2x)(OH2x)	1
Nullaginite	Ni2(CO3)(OH)2	1
Nyerereite	Na2Ca(CO3)2	1
Offretite	(K2,Ca,Mg)2.5Al5Si13O36•15(H2O)	>10
Ogdensburgite	Ca2(Zn,Mn)Fe+++4(AsO4)4(OH)6•6(H2O)	1
Ojuelaite	ZnFe+++2(AsO4)2(OH)2•4(H2O)	1
Okayamalite	Ca2B2SiO7	>2
Okenite	Ca3[Si6O15]•6(H2O)	>2
Olgite	Na(Sr,Ba)PO4	1
Olivenite	Cu2AsO4(OH)	>10
Olivine , undifferentiated	(Mg,Fe)2SiO4	>10
Olmsteadite	KFe++2(Nb,Ta)(PO4)2O2•2(H2O)	1
Omphacite	(Ca,Na)(Mg,Fe++,Al)Si2O6	>2
Onoratoite	Sb8O11Cl2	>2
Opal	SiO2•n(H2O)	>10
Ordoñezite	ZnSb2O6	>2
Oregonite	Ni2FeAs2	1
Orientite	Ca2Mn++Mn+++2Si3O10(OH)4	>2
Orpiment	As2S3	>10
Orthoclase	KAlSi3O8	>10
Orthoserpierite	Ca(Cu,Zn)4(SO4)2(OH)6•3(H2O)	1
Osarizawaite	PbCuAl2(SO4)2(OH)6	>2
Osmium	(Os,Ir)	>2
Osumilite	(K,Na)(Fe++,Mg)2(Al,Fe+++)3(Si,Al)12O30	>2
Otavite	CdCO3	>2
Ottensite	Na3(Sb2O3)3(SbS3)•3H2O	1
Otwayite	Ni2(CO3)(OH)2•(H2O)	1
Ourayite	Pb4Ag3Bi5S13	1
Owyheeite	Pb7Ag2(Sb,Bi)8S20	>2
Oxyplumboroméite-Fluorcalcioroméite series member, undefined	(Ca,Fe++,Mn,Na)2(Sb,Ti)2O6(O,OH,F)	>10
Pabstite	Ba(Sn,Ti)Si3O9	1
Pachnolite	NaCaAlF6•(H2O)	1
Palermoite	(Sr,Ca)(Li,Na)2Al4(PO4)4(OH)4	1
Palygorskite	(Mg,Al)2Si4O10(OH)•4(H2O)	>10
Panasqueiraite	CaMg(PO4)(OH,F)	>2
Papagoite	CaCuAlSi2O6(OH)3	1
Para-alumohydrocalcite	CaAl2(CO3)2(OH)4•6(H2O)	1
Parabutlerite	Fe+++(SO4)(OH)•2(H2O)	1
Paracelsian	BaAl2Si2O8	>2
Paradamite	Zn2(AsO4)(OH)	1
Paradocrasite	Sb2(Sb,As)2	1

Paragonite	NaAl2(Si3Al)O10(OH)2	>2
Parahopeite	Zn3(PO4)2•4(H2O)	>2
Parakeldyshite	Na2ZrSi2O7	>2
Paralaurionite	PbCl(OH)	1
Paramelaconite	Cu+2Cu++2O3	1
Paramendozavilite	NaAl4Fe+++7(PO4)5(P+++++Mo++++++12O40)(OH)16•56(H2O)	>2
Paramontroseite	VO2	1
Parapierrotite	Tl(Sb,As)5S8	1
Pararealgar	AsS	1
Paraspurrite	Ca5(SiO4)2(CO3)	1
Parasymplesite	Fe++3(AsO4)2•8(H2O)	1
Paratacamite	(Cu,Zn)2(OH)3Cl	>2
Paratellurite	TeO2	1
Paravauxite	Fe++Al2(PO4)2(OH)2•8(H2O)	>2
Paravinogradovite	(Na,[ ])2(Ti,Fe+++)4(Si2O6)2(Si3AlO10)(OH)4•H2O	1
Pargasite	NaCa2(Mg,Fe++)4Al(Si6Al2)O22(OH)2	>10
Parisite-(Ce)	Ca(Ce,La)2(CO3)3F2	>2
Parkerite	Ni3(Bi,Pb)2S2	1
Parnauite	Cu9(AsO4)2(SO4)(OH)10•7(H2O)	>2
Parsettensite	(K,Na,Ca)(Mn,Al)7Si8O20(OH)8•2(H2O)	>2
Parsonsite	Pb2(UO2)(PO4)2•2(H2O)	>2
Parwanite	(Na,K)(Mg,Ca)4Al8(PO4)8(CO3)(OH)7•30H2O	1
Pascoite	Ca3V10O28•17(H2O)	1
Patrónite	VS4	1
Paulingite-K	(K2,Ca,Na2,Ba)5Al10Si35O90•45(H2O)	>2
Paulkerrite	K(Mg,Mn)2(Fe+++,Al)2Ti(PO4)4(OH)3•15(H2O)	>2
Pavonite	(Ag,Cu)(Bi,Pb)3S5	1
Pearceite	[Ag9CuS4]	1
Pecoraite	Ni3Si2O5(OH)4	1
Pectolite	NaCa2Si3O8(OH)	>10
Peisleyite	Na3Al16(SO4)2(PO4)10(OH)17•20(H2O)	1
Penikisite	BaMg2Al2(PO4)3(OH)3	1
Pentagonite	Ca(VO)Si4O10•4(H2O)	1
Pentahydroborite	CaB2O(OH)6•2(H2O)	>2
Pentlandite	(Fe,Ni)9S8	>10
Peretaite	CaSb+++4O4(OH)2(SO4)2•2(H2O)	1
Perhamite	Ca3Al7(SiO4)3(PO4)4(OH)3•16.5(H2O)	1
Periclase	MgO	>2
Perite	PbBiO2Cl	>2
Perovskite	CaTiO3	>2
Perrierite-(Ce)	(Ce,La,Ca)4(Fe++,Mg)2(Ti,Fe+++)3Si4O22	1

Perroudite	Hg5-xAg4+xS5-x(Cl,I,Br)4+x	1
Petalite	LiAlSi4O10	>10
Petarasite	Na5Zr2Si6O18(Cl,OH)•2(H2O)	1
Petersite-(Y)	(Y,Ce,Nd,Ca)Cu6(PO4)3(OH)6•3(H2O)	1
Petitjeanite	Bi+++3(PO4)2O(OH)	>2
Petzite	Ag3AuTe2	1
Pharmacolite	CaHAsO4•2(H2O)	>2
Pharmacosiderite	KFe+++4(AsO4)3(OH)4•6-7(H2O)	>10
Phaunouxite	Ca3(AsO4)•11(H2O)	1
Phenakite	Be2SiO4	>10
Philipsburgite	(Cu,Zn)6(AsO4,PO4)2(OH)6•(H2O)	>2
Phillipsite-Ca	(Ca,K,Na)1-2(Si,Al)8O16•6(H2O)	1
Phillipsite-Na	(Na,K,Ca)1-2(Si,Al)8O16•6(H2O)	>10
Phlogopite	KMg3(Si3Al)O10(F,OH)2	>10
Phoenicochroite	Pb2(CrO4)O	1
Phosgenite	Pb2(CO3)Cl2	>10
Phosinaite-(Ce)	Na13Ca2Ce[Si4O12](PO4)4	1
Phosphoferrite	(Fe++,Mn)3(PO4)2•3(H2O)	1
Phosphophyllite	Zn2(Fe++,Mn)(PO4)2•4(H2O)	>2
Phosphosiderite	Fe+++PO4•2(H2O)	>2
Phosphuranylite	KCa(H3O)3(UO2)7(PO4)4O4•8(H2O)	1
Phurcalite	Ca2(UO2)3O2(PO4)2•7(H2O)	>2
Pickeringite	MgAl2(SO4)4•22(H2O)	>2
Picromerite	K2Mg(SO4)2•6(H2O)	1
Picropharmacolite	Ca4Mg(AsO3OH)2(AsO4)2•11(H2O)	>2
Piemontite	Ca2(Al,Mn,Fe)3(SiO4)3(OH)	>10
Pigeonite	(Mg,Fe++,Ca)(Mg,Fe++)Si2O6	1
Pilsenite	Bi4Te3	1
Pinakiolite	Mg2Mn+++O2(BO3)	1
Pinnoite	MgB2O4•3(H2O)	1
Pintadoite	Ca2V2O7•9(H2O)	1
Pirssonite	Na2Ca(CO3)2•2(H2O)	>2
Pitticite	Hydrous	>2
Plagioclase group, undifferentiated	(Na,Ca)(Si,Al)4O8	>10
Plagionite	Pb5Sb8S17	>2
Plancheite	Cu8Si8O22(OH)4•(H2O)	>2
Platinum	Pt	>10
Plattnerite	PbO2	>10
Plombièrite	Ca5H2Si6O18•6H2O	>2
Plumboferrite	Pb2Fe+++(11-x)Mn++xO19-2x	1
Plumbogummite	PbAl3(PO4)2(OH)5•(H2O)	>2

Plumbojarosite	PbFe+++6(SO4)4(OH)12	1
Podlesnoite	BaCa2(CO3)2F2	1
Pokrovskite	Mg2(CO3)(OH)2•0.5(H2O)	>2
Pollucite	(Cs,Na)2Al2Si4O12•(H2O)	>2
Polybasite	[Ag9CuS4]	>2
Polycrase-(Y)	(Y,Ca,Ce,U,Th)(Ti,Nb,Ta)2O6	>2
Polyhalite	K2Ca2Mg(SO4)4•2(H2O)	>10
Polylithionite	KLi2AlSi4O10(F,OH)2	1
Portlandite	Ca(OH)2	1
Posnjakite	Cu4(SO4)(OH)6•(H2O)	>2
Poughite	Fe+++2(TeO3)2(SO4)•3(H2O)	>2
Povondraite	(Na,K)(Fe+++,Fe++)3(Fe,Mg,Al)6(BO3)3Si6O18(OH)4	1
Powellite	CaMoO4	>2
Prehnite	Ca2Al2Si3O10(OH)2	>10
Preisingerite	Bi3(AsO4)2O(OH)	>2
Priceite	Ca2B5O7(OH)5•H2O	>2
Prismatine	([ ],Fe,Mg)(Mg,Al,Fe)5Al4Si2(Si,Al)2(B,Si,Al)(O,OH,F)22	1
Probertite	NaCaB5O7(OH)4•3(H2O)	>2
Prosopite	CaAL2(F,OH)8	1
Proustite	Ag3AsS3	>2
Pseudoboleite	Pb5Cu4Cl10(OH)8•2(H2O)	>2
Pseudobrookite	(Fe+++,Fe++)2(Ti,Fe++)O5	>2
Pseudolaueite	Mn++Fe+++2(PO4)2(OH)2•7-8(H2O)	1
Pseudomalachite	Cu5(PO4)2(OH)4	>10
Pucherite	BiVO4	>2
Pumpellyite-(Fe2+)	Ca2Fe++(Al,Fe+++)2(SiO4)(Si2O7)(OH)2•(H2O)	>2
Purpurite	Mn+++PO4	>2
Pyrargyrite	Ag3SbS3	>10
Pyrite	FeS2	>10
Pyroaurite	Mg6Fe+++2(CO3)(OH)16•4(H2O)	>10
Pyroaurite, var. Sjogrenite	Mg6Fe+++2(CO3)(OH)16•4(H2O)	1
Pyrobelonite	PbMn(VO4)(OH)	1
Pyrochlore	(Na,Ca)2Nb2O6(OH,F)	>2
Pyrochlore, var. Bariopyrochlore	(Ba,Sr)(Nb,Ti)2(O,OH)7	1
Pyrochlore, var. Yttropyrochlore	(Y,Na,Ca,U)1-2(Nb,Ta,Ti)2(O,OH)7	1
Pyrochroite	Mn(OH)2	>2
Pyrolusite	MnO2	>10
Pyromorphite	Pb5(PO4)3Cl	>10
Pyrope	Mg3Al2(SiO4)3	>10
Pyrophanite	MnTiO3	1
Pyrophyllite	Al2Si4O10(OH)2	>2

Pyrosmalite-(Fe)	(Fe++,Mn)8Si6O15(OH,Cl)10	>2
Pyrosmalite-(Mn)	(Mn,Fe++)8Si6O15(OH,Cl)10	1
Pyrostilpnite	Ag3SbS3	>2
Pyroxmangite	(Mn,Fe++)SiO3	>2
Pyrrhotite	Fe(1-x)S	>10
Qandilite	(Mg,Fe++)2(Ti,Fe+++,Al)O4	>2
Quartz	SiO2	>10
Queitite	Pb4Zn2(SiO4)(Si2O7)(SO4)	1
Quenselite	PbMn+++O2(OH)	1
Raite	Na4Mn++4Si8(O,OH)24•9(H2O)	1
Rajite	CuTe++++2O5	>2
Ramdohrite	Ag3Pb6Sb11S24	1
Rameauite	K2CaU++++++6O20•9(H2O)	1
Rammelsbergite	NiAs2	>2
Ramsbeckite	(Cu,Zn)15(SO4)4(OH)22•6(H2O)	1
Ramsdellite	MnO2	1
Ranciéite	(Ca,Mn++)Mn++++4O9•3(H2O)	>2
Rankamaite	(Na,K,Pb,Li)3(Ta,Nb,Al)11(O,OH)30	1
Rankinite	Ca3Si2O7	1
Ransomite	CuFe+++2(SO4)4•6(H2O)	1
Raspite	PbWO4	1
Rasvumite	KFe2S3	1
Rathite	Pb8Pb4-x(Tl2As2)x(Ag2As2)As16S40	>2
Rauenthalite	Ca3(AsO4)2•10(H2O)	1
Rauvite	Ca(UO2)2V+++++10O28•16(H2O)	1
Realgar	AsS	>10
Redledgeite	BaTi6Cr+++2O16•(H2O)	1
Reevesite	Ni6Fe+++2(CO3)(OH)16•4(H2O)	>2
Reichenbachite	Cu++5(PO4)2(OH)4	1
Reinerite	Zn3(As+++O3)2	1
Reinhardbraunsite	Ca5(SiO4)2(OH,F)2	>2
Renardite	Pb(UO2)4(PO4)2(OH)4•7(H2O)	1
Renierite	(Cu,Zn)11(Ge,As)2Fe4S16	>2
Retgersite	NiSO4•6(H2O)	>2
Revdite	Na2Si2O5•5(H2O)	1
Reyerite	(Na,K)4Ca14Si22Al2O58(OH)8•6(H2O)	>10
Rhabdophane-(Ce)	(Ce,La)PO4•(H2O)	>2
Rhenium	Re	1
Rhodesite	KHCa2Si8O19•5(H2O)	1
Rhodizite	(K,Cs)Al4Be4(B,Be)12O28	>2
Rhodochrosite	MnCO3	>10

Rhodonite	(Mn++,Fe++,Mg,Ca)SiO3	>10
Rhodostannite	Cu2FeSn3S8	1
Rhomboclase	(H5O2)+Fe+++(SO4)2•2(H2O)	1
Rhönite	Ca2(Mg,Fe++,Fe+++,Ti)6(Si,Al)6O20	>2
Richellite	Ca3Fe+++10(PO4)8(OH)12•n(H2O)	1
Richelsdorfite	Ca2Cu5Sb(AsO4)4Cl(OH)6•6(H2O)	1
Richterite	Na(CaNa)(Mg,Fe++)5[Si8O22](OH)2	>2
Rickardite	Cu7Te5	1
Riebeckite	[ ]Na2(Fe++3Fe+++2)Si8O22(OH)2	>10
Ringwoodite	Mg2SiO4	1
Rinkite-(Ce)	Na(Na,Ca)2(Ca,Ce)4(Ti,Nb)(Si2O7)2(O,F)2	1
Rinneite	K3NaFe++Cl6	1
Rittmannite	Mn++Mn++Fe++Al2(OH)2(PO4)4•8(H2O)	1
Riversideite	Ca5Si6O16(OH)2•2(H2O)	1
Robertsite	Ca6Mn+++9(PO4)9O6(H2O)6•3(H2O)	>2
Robinsonite	Pb4Sb6S13	1
Rockbridgeite	(Fe++,Mn)Fe+++4(PO4)3(OH)5	>2
Roeblingite	Pb2Ca6(Si6O18)(SO4)2(OH)2•4(H2O)	1
Roedderite	(Na,K)2(Mg,Fe++)5Si12O30	>2
Roggianite	Ca2[Be(OH)2Al2Si4O13]•<2•5(H2O)	>2
Romanèchite	(Ba,H2O)2(Mn++++,Mn+++)5O10	>10
Römerite	Fe++Fe+++2(SO4)4•14(H2O)	>2
Rondorfite	Ca8Mg(SiO4)4Cl2	1
Röntgenite-(Ce)	Ca2(Ce,La)3(CO3)5F3	1
Roquesite	CuInS2	1
Rosasite	(Cu,Zn)2(CO3)(OH)2	>2
Roscherite	Ca(Mn++,Fe++)5Be4(PO4)6(OH)4•6(H2O)	1
Roscoelite	K(V,Al,Mg)2AlSi3O10(OH)2	>2
Roselite	Ca2(Co,Mg)(AsO4)2•2(H2O)	>2
Rosenbuschite	(Ca,Na)3(Zr,Ti)Si2O8F	1
Rosenhahnite	Ca3Si3O8[(OH)2-4x,(CO3)x]	>2
Rosickýite	S	1
Rossite	CaV2O6•4(H2O)	1
Routhierite	TlCu(Hg,Zn)2(As,Sb)2S3	1
Rouvilleite	Na3Ca2(CO3)3F	1
Rozenite	Fe++SO4•4(H2O)	>2
Ruizite	CaMn+++Si2O6(OH)•2(H2O)	1
Rusakovite	(Fe+++,Al)5(VO4,PO4)2(OH)9•3(H2O)	1
Russellite	Bi2WO6	>2
Rutheniridosmine	(Ir,Os,Ru)	>2
Rutherfordine	UO2(CO3)	>2

Rutile	TiO2	>10
Sabinaite	(Na,Ca)4Zr2Ti(CO3)4O4	>2
Sabugalite	HAl(UO2)4(PO4)4•16(H2O)	>2
Safflorite	(Co,Fe)As2	>2
Sainfeldite	Ca5(AsO3OH)2(AsO4)2•4(H2O)	1
Sakhaite	Ca3Mg(BO3)2(CO3)•0.36(H2O)	1
Sakuraiite	(Cu,Zn,Fe,In,Sn)4S4	>2
Salammoniac	NH4Cl	>10
Saléeite	Mg(UO2)2(PO4)2•10(H2O)	>2
Salesite	Cu(IO3)(OH)	1
Samarskite-(Y)	(Y,Fe+++,U)(Nb,Ta)5O4	>10
Sampleite	NaCaCu5(PO4)4Cl•5(H2O)	>10
Samsonite	Ag4MnSb2S6	1
Sanbornite	BaSi2O5	>2
Saneroite	Na2(Mn++,Fe+++)10Si11V+++++O34(OH)4	1
Sanidine	(K,Na)(Si,Al)4O8	>10
Sanjuanite	Al2(PO4)(SO4)(OH)•9(H2O)	1
Santaclaraite	CaMn++4Si5O14(OH)2•(H2O)	>2
Santafeite	(Mn,Fe,Al,Mg)2(Mn++++,Mn++)2(Ca,Sr,Na)3(VO4,AsO4)4(OH)3•2(H2O)	1
Santite	KB5O6(OH)4•2(H2O)	1
Saponite	(Ca/2,Na)0,3(Mg,Fe++)3(Si,Al)4O10(OH)2•4(H2O)	>10
Sapphirine	(Mg,Al)8(Al,Si)6O20	>2
Sarabauite	CaSb10O10S6	1
Sarcolite	NaCa6Al4Si6O24F	>2
Sarcopside	(Fe++,Mn,Mg)3(PO4)2	1
Sarkinite	Mn++2(AsO4)(OH)	>2
Sartorite	PbAs2S4	>2
Sasaite	(Al,Fe+++)14(PO4)11(SO4)(OH)7•84(H2O)	>2
Sassolite	H3BO3	>2
Satterlyite	(Fe++,Mg)2(PO4)(OH)	>2
Sauconite	Na0,3Zn3(Si,Al)4O10(OH)2•4(H2O)	1
Scacchite	MnCl2	1
Scapolite group, undifferentiated	(Na,Ca)4[Al3Si9O24]Cl	>10
Scarbroite	Al5(CO3)(OH)13•5(H2O)	>2
Scawtite	Ca7Si6(CO3)O18•2(H2O)	>2
Schafarzikite	Fe++Sb+++2O4	>2
Schairerite	Na21(SO4)7F6Cl	1
Schallerite	Mn++16[As+++O2OH][Si12O30](OH)14	1
Schaurteite	Ca3Ge++++(SO4)2(OH)6•3(H2O)	1
Scheelite	CaWO4	>10
Schlossmacherite	(H3O,Ca)Al3(AsO4,SO4)2(OH)6	1

Schmitterite	(UO2)TeO3	1
Schneiderhöhnite	Fe++Fe+++3As+++5O13	1
Schoderite	Al2(PO4)(VO4)•8(H2O)	>2
Schoepite	(UO2)8O2(OH)12•12(H2O)	>2
Scholzite	CaZn2(PO4)2•2(H2O)	>2
Schorl	NaFe++3Al6(BO3)3Si6O18(OH)4	>10
Schröckingerite	NaCa3(UO2)(CO3)3(SO4)F•10(H2O)	1
Schubnelite	Fe++(V+++++O4)(H2O)	1
Schuetteite	Hg3(SO4)O2	1
Schuilingite-(Nd)	PbCu(Nd,Gd,Sm,Y)(CO3)3(OH)•1.5(H2O)	1
Schulenbergite	(Cu,Zn)7(SO4,CO3)2(OH)10•3(H2O)	>2
Schultenite	PbHAsO4	1
Schumacherite	Bi3[(V,As,P)O4]2O(OH)	>2
Schwartzembergite	Pb++6(IO3)2O3Cl4	1
Scolecite	CaAl2Si3O10•3(H2O)	>10
Scorodite	Fe+++AsO4•2(H2O)	>10
Scorzalite	(Fe++,Mg)Al2(PO4)2(OH)2	>2
Scrutinyite	PbO2	>2
Searlesite	NaBSi2O5(OH)2	1
Sedovite	U(MoO4)2	>2
Seeligerite	Pb3Cl3(IO3)O	1
Segelerite	CaMgFe+++(PO4)2(OH)•4(H2O)	1
Sekaninaite	(Fe++,Mg)2Al4Si5O18	>2
Selenium	Se	1
Seligmannite	PbCuAsS3	1
Sellaite	MgF2	1
Semseyite	Pb9Sb8S21	>10
Senaite	Pb(Ti,Fe,Mn)21O38	>2
Senarmontite	Sb2O3	>2
Senegalite	Al2(PO4)(OH)3•(H2O)	>2
Sengierite	Cu2(UO2)2V2O8•6(H2O)	1
Sepiolite	Mg4Si6O15(OH)2•6(H2O)	>10
Serandite	Na(Mn++,Ca)2Si3O8(OH)	>2
Serendibite	Ca2(Mg,Al)6(Si,Al,B)6O20	>2
Serpierite	Ca(Cu,Zn)4(SO4)2(OH)6•3(H2O)	>10
Shannonite	Pb2OCO3	1
Shattuckite	Cu5(SiO3)4(OH)2	>2
Shcherbakovite	KKNaTi2O(OH)[Si4O12]	1
Shcherbinaite	V2O5	1
Shigaite	Mn++7Al4(SO4)2(OH)22•8(H2O)	>2
Shomiokite-(Y)	Na3Y(CO3)3•3(H2O)	>2

Shortite	Na2Ca2(CO3)3	1
Sicklerite	Li(Mn++,Fe+++)PO4	1
Siderite	Fe++CO3	>10
Sideronatrite	Na2Fe+++(SO4)2(OH)•3(H2O)	1
Siderophyllite	KFe++2Al(Al2Si2)O10(F,OH)2	>2
Siderotil	Fe++SO4•5(H2O)	1
Sidorenkite	Na3Mn(PO4)(CO3)	1
Sidwillite	MoO3•2(H2O)	1
Siegenite	(Ni,Co)3S4	>2
Sigloite	Fe+++Al2(PO4)2(OH)3•5(H2O)	1
Sillénite	Bi12SiO20	1
Sillimanite	Al2SiO5	>10
Silver	Ag	>10
Simonellite	C19H24	1
Simpsonite	Al4(Ta,Nb)3O13(OH)	1
Sincosite	Ca(V++++O)2(PO4)2•5(H2O)	>2
Sinhalite	MgAlBO4	>2
Sinkankasite	H2MnAl(PO4)2(OH)•6(H2O)	1
Skinnerite	Cu3SbS3	1
Sklodowskite	(H3O)2Mg(UO2)2(SiO4)2•4(H2O)	>2
Skutterudite	(Co,Ni)As3-x	1
Slavíkite	NaMg2Fe+++5(SO4)7(OH)6•33(H2O)	>2
Smithite	AgAsS2	1
Smithsonite	ZnCO3	>10
Smythite	(Fe,Ni)9S11	1
Sodalite	Na8Al6Si6O24Cl2	>10
Soddyite	(UO2)2SiO4•2(H2O)	>2
Sogdianite	(K,Na)2(Li,Fe+++,Al)3ZrSi12O30	1
Sonolite	Mn9(SiO4)4(OH,F)2	>2
Sonoraite	Fe+++Te++++O3(OH)•(H2O)	>2
Sorbyite	Pb19(Sb,As)20S49	>2
Sørensenite	Na4SnBe2Si6O18•2(H2O)	>2
Spadaite	MgSiO2(OH)2•(H2O)	1
Spangolite	Cu6Al(SO4)(OH)12Cl•3(H2O)	1
Spencerite	Zn4(PO4)2(OH)2•3(H2O)	1
Sperrylite	PtAs2	>2
Spertiniite	Cu(OH)2	1
Spessartine	Mn++3Al2(SiO4)3	>10
Sphalerite	(Zn,Fe)S	>10
Spherocobaltite	CoCO3	>2
Spinel	MgAl2O4	>10

Spiroffite	(Mn,Zn)2Te3O8	1
Spodumene	LiAlSi2O6	>10
Spurrite	Ca5(SiO4)2(CO3)	>2
Srebrodolskite	Ca2Fe+++2O5	1
Stanleyite	(V++++O)SO4•6(H2O)	1
Stannite	Cu2FeSnS4	>10
Stannoidite	Cu8Fe3Sn2S12	>2
Staurolite	Ca11(SiO4)4O2S	>10
Steacyite	K1-x(Ca,Na)2ThSi8O20	1
Steenstrupine-(Ce)	Na14Ce6Mn++Mn+++Fe++2(Zr,Th)(Si6O18)2(PO4)7•3(H2O)	>2
Steigerite	AlVO4•3(H2O)	1
Stellerite	CaAl2Si7O18•7(H2O)	>2
Stephanite	Ag5SbS4	>2
Stetefeldtite	Ag2Sb2O6(O,OH)	1
Stevensite	(Ca0.5,Na)0.33(Mg,Fe++)3Si4O10(OH)2•n(H2O)	>2
Stewartite	Mn++Fe+++2(PO4)2(OH)2•8(H2O)	1
Stibarsen	SbAs	>2
Stibiconite	Sb+++Sb+++++2O6(OH)	>10
Stibiotantalite	SbTaO4	1
Stibivanite	Sb+++2V++++O5	1
Stibnite	Sb2S3	>10
Stichtite	Mg6Cr2(CO3)(OH)16•4(H2O)	>2
Stichtite-2H	Mg6Cr2(CO3)(OH)16•4(H2O)	1
Stilbite-Ca	NaCa4[Al8Si28O72]•n(H2O)	>10
Stilbite-Na	Na3Ca3[Al8Si28O72]•n(H2O)	>2
Stilleite	ZnSe	>2
Stillwellite-(Ce)	(Ce,La,Ca)BSiO5	1
Stilpnomelane	K(Fe++,Mg,Fe+++)8(Si,Al)12(O,OH)27•n(H2O)	>10
Stokesite	CaSnSi3O9•2(H2O)	1
Stolzite	PbWO4	>2
Strashimirite	Cu8(AsO4)4(OH)4•5(H2O)	1
Strengite	Fe+++PO4•2(H2O)	>2
Stringhamite	CaCuSiO4•2(H2O)	1
Stromeyerite	AgCuS	>2
Stronalsite	SrNa2Al4Si4O16	1
Strontianite	SrCO3	>10
Strontiodresserite	(Sr,Ca)Al2(CO3)2(OH)4•(H2O)	>2
Strontiojoaquinite	(Na,Fe++)2Ba2Sr2Ti2[Si4O12]2(O,OH)2•(H2O)	1
Strunzite	Mn++Fe+++2(PO4)2(OH)2•6(H2O)	>2
Struvite	(NH4)MgPO4•6(H2O)	>2
Studtite	[(UO2)O2(H2O)2](H2O)2	1

Sturmanite	Ca6(Fe+++,Al,Mn++)2(SO4)2[B(OH)4](OH)12•25(H2O)	>2
Stützite	Ag5-xTe3,(x=0.24-0.36)	>2
Sudoite	Mg2(Al,Fe+++)3Si3AlO10(OH)8	1
Sugilite	KNa2(Fe+++,Mn+++,Al)2Li3Si12O30	>2
Sulphohalite	Na6(SO4)2FCl	1
Sulphur	S8	>10
Sulvanite	Cu3VS4	1
Suolunite	Ca2Si2O5(OH)2•(H2O)	1
Surinamite	(Mg,Fe++)3Al4BeSi3O16	>2
Sursassite	Mn++2Al3(SiO4)(Si2O7)(OH)3	>2
Susannite	Pb4(SO4)(CO3)2(OH)2	>10
Sussexite	MnBO2(OH)	1
Svabite	Ca5(AsO4)3F	1
Svanbergite	SrAl3(PO4)(SO4)(OH)6	1
Swedenborgite	NaBe4SbO7	1
Sweetite	Zn(OH)2	1
Swinefordite	(Li,Ca0.5,Na)0.72(Li,Al,Mg)2.66(Si,Al)4O10(OH,F)2•2(H2O)	1
Switzerite	(Mn++,Fe++)3(PO4)2•7(H2O)	1
Sylvanite	(Au,Ag)2Te4	>2
Sylvite	KCl	>10
Symplesite	Fe++3(AsO4)2•8(H2O)	1
Synadelphite	(Mn,Mg,Ca,Pb)9(As+++O3)(As+++++O4)2(OH)9•2(H2O)	1
Synchysite-(Ce)	CaCe(CO3)2F	>2
Synchysite-(Y)	CaY(CO3)2F	1
Syngenite	K2Ca(SO4)2•(H2O)	1
Szaibélyite	MgBO2(OH)	1
Szomolnokite	Fe++SO4•(H2O)	1
Tacharanite	Ca12Al2Si18O33(OH)36	>2
Takanelite	(Mn++,Ca)Mn++++4O8•(H2O)	1
Takovite	Ni6Al2(OH)16(CO3,OH)•4(H2O)	>2
Talc	Mg3Si4O10(OH)2	>10
Talmessite	Ca2Mg(AsO4)2•2(H2O)	1
Tamarugite	NaAl(SO4)2•6(H2O)	>2
Taneyamalite	(Na,Ca)(Mn++,Mg)12[(Si,Al)6O17]2(O,OH)10	>2
Tangeite	CaCu(VO4)(OH)	>2
Tantalaeschynite-(Y)	(Y,Ce,Ca)(Ta,Ti,Nb)2O6	1
Tantalite-(Fe)	Fe++Ta2O6	1
Tantalite-(Mn)	MnTa2O6	>2
Tanteuxenite-(Y)	(Y,Ce,Ca)(Ta,Nb,Ti)2(O,OH)6	1
Tapiolite-(Mn)	(Mn++,Fe++)(Ta,Nb)2O6	1
Taramellite	Ba4(Fe+++,Ti,Fe++,Mg)4(B2Si8O27)O2Clx	>2

Taranakite	K3Al5(HPO4)6(PO4)2•18(H2O)	>2
Tarapacáite	K2CrO4	1
Tarbuttite	Zn2(PO4)(OH)	>10
Tavorite	LiFe+++(PO4)(OH)	>2
Teallite	PbSnS2	>2
Teepleite	Na2B(OH)4Cl	1
Tegengrenite	(Mg,Mn++)2Sb+++++0.5(Mn+++,Si,Ti)0.5O4	1
Tellurantimony	Sb2Te3	>2
Tellurite	TeO2	>2
Tellurium	Te	>2
Tellurobismuthite	Bi2Te3	>2
Tengerite-(Y)	Y2(CO3)3•2-3(H2O)	>2
Tennantite	(Cu,Fe)12As4S13	>10
Tenorite	CuO	>2
Tephroite	Mn2SiO4	>2
Ternesite	Ca5(SiO4)2SO4	1
Tertschite	Ca4B10O19•20(H2O)	>2
Teruggite	Ca4MgAs2B12O22(OH)12•12(H2O)	1
Tetradymite	Bi2Te2S	>2
Tetraferriannite	K(Fe++,Mg)3(Fe+++,Al)Si3O10(OH)2	1
Tetraferriphlogopite	KMg3Fe+++Si3O10(OH)2	>2
Tetrahedrite	(Cu,Fe)12Sb4S13	>10
Tetrawickmanite	Mn++Sn++++(OH)6	1
Thalénite-(Y)	Y3Si3O10(OH)	>2
Thaumasite	Ca3Si(CO3)(SO4)(OH)6•12(H2O)	>2
Theisite	Cu5Zn5[(As+++++,Sb+++++)O4]2(OH)14	>2
Thénardite	Na2SO4	>2
Theophrastite	Ni(OH)2	>2
Thermonatrite	Na2CO3•(H2O)	1
Thomsenolite	NaCaAlF6•(H2O)	1
Thomsonite-Ca	NaCa2Al5Si5O20•6(H2O)	>10
Thoreaulite	Sn++Ta2O6	1
Thorianite	ThO2	>10
Thorite	ThSiO4	>10
Thorite, undifferentiated	ThSiO4	>2
Thortveitite	(Sc,Y)2Si2O7	1
Threadgoldite	Al(UO2)2(PO4)2(OH)•8(H2O)	1
Tiemannite	HgSe	>2
Tilasite	CaMg(AsO4)F	1
Tilleyite	Ca5Si2O7(CO3)2	>2
Tin	Sn	>2

Tinaksite	K2Na(Ca,Mn++)2(Ti,Fe)O[Si7O18(OH)]	1
Tincalconite	Na6[B4O5(OH)4]3•8(H2O)	1
Tinticite	Fe+++5(PO4,VO4)4•7(H2O)	1
Tinzenite	(Ca,Mn,Fe)3Al2BO3Si4O12(OH)	1
Tiptopite	K2(Na,Ca)2Li3Be6(PO4)6(OH)2•(H2O)	1
Titanite	CaTiSiO5	>10
Titantaramellite	Ba4(Ti,Fe+++,Fe++,Mg)4(B2Si8O27)O2Clx	>2
Tlapallite	H6(Ca,Pb)2Cu3(SO4)(Te++++O3)4(Te++++++O6)	>2
Tobermorite	Ca5Si6O16(OH)2•4(H2O)	>2
Tochilinite	6Fe0.9S•5(Mg,Fe++)(OH)2	>2
Tocornalite	(Ag,Hg)I	1
Todorokite	(Na,Ca,K)2(Mn++++,Mn+++)6O12•3-4.5(H2O)	>2
Tombarthite-(Y)	Y4(Si,H4)4O12-x(OH)4+2x	>2
Topaz	Al2SiO4(F,OH)2	>10
Torbernite	Cu(UO2)2(PO4)2•8-12(H2O)	>10
Törnebohmite-(Ce)	(Ce,La,Nd)2Al(SiO4)2(OH)	1
Tosudite	Na0,5(Al,Mg)6(Si,Al)8O18(OH)12•5(H2O)	1
Traskite	(Ba,Ca)9(Fe++,Mn)2Ti2(SiO3)12(OH,Cl,F)6•6(H2O)	>2
Treasurite	Ag7Pb6Bi15S32	1
Tremolite	[ ]Ca2Mg5Si8O22(OH)2	>10
Trevorite	NiFe+++2O4	1
Tridymite	SiO2	>2
Trimerite	CaMn2Be3(SiO4)3	1
Triphylite	LiFe++PO4	>2
Triplite	(Mn,Fe++,Mg,Ca)2(PO4)(F,OH)	>2
Triploidite	(Mn,Fe++)2(PO4)(OH)	1
Tripuhyite	Fe++Sb+++++O4	1
Tripuhyite, var. Squawcreekite	Fe3+Sb5+O4	>2
Tritomite-(Ce)	(Ce,La,Ca,Y,Th)5(Si,B)3(O,OH,F)13	>2
Troilite	FeS	>2
Trolleite	Al4(PO4)3(OH)3	1
Trona	Na3(CO3)(HCO3)•2(H2O)	>2
Tsaregorodtsevite	N(CH3)4AlSi5O12	1
Tschermigite	(NH4)Al(SO4)2•12(H2O)	1
Tschernichite	(Ca,Na)(Si6Al2)O16•4-8(H2O)	>2
Tsumcorite	PbZnFe++(AsO4)2•(H2O)	>2
Tsumebite	Pb2Cu(PO4)(SO4)(OH)	1
Tsumoite	BiTe	1
Tugtupite	Na4AlBeSi4O12Cl	1
Tuhualite	[ ](Na,K)Fe++Fe+++[Si6O15]	1
Tuliokite	BaNa6Th(CO3)6•6(H2O)	1

Tundrite-(Ce)	Na2Ce2TiO2(SiO4)(CO3)2	>2
Tunellite	SrB6O9(OH)2•3(H2O)	1
Tungstenite	WS2	1
Tungstite	WO3•(H2O)	>2
Tungusite	[Ca14(OH)8](Si8O20)(Si8O20)2[Fe++9(OH)14]	1
Tunisite	NaCa2Al4(CO3)4(OH)8Cl	>2
Tuperssuatsiaite	Na(Fe+++,Mn)3[Si8O20](OH)2•n(H2O)	1
Turanite	Cu5(VO4)2(OH)4	>2
Turkestanite	Th(Ca,Na)2(K1-x,[ ]x)Si8O20•n(H2O)	1
Turneaureite	Ca5[(As,P)O4]3Cl	1
Turquoise	CuAl6(PO4)4(OH)8•4(H2O)	>10
Turquoise Group, undifferentiated	(Ca,Cu)Al6(PO4)4(OH)8•4-5(H2O)	>2
Tuscanite	K(Ca,Na)6(Si,Al)10O22(SO4,CO3,(OH)2)•(H2O)	>2
Twinnite	Pb(Sb,As)2S4	1
Tychite	Na6Mg2(CO3)4(SO4)	1
Tyrolite	CaCu5(AsO4)2(CO3)(OH)4•6(H2O)	>2
Tyrrellite	(Cu,Co,Ni)3Se4	>2
Tyuyamunite	Ca(UO2)2V2O8•5-8(H2O)	>2
Uklonskovite	NaMg(SO4)F•2(H2O)	1
Ulexite	NaCaB5O6(OH)6•5(H2O)	>2
Ullmannite	NiSbS	>2
Ulrichite	CaCu(UO2)(PO4)2•4(H2O)	1
Umangite	Cu3Se2	>2
Upalite	Al(UO2)3(PO4)2O(OH)•7(H2O)	1
Uraninite	UO2	>10
Uranocircite, undifferentiated	Ba(UO2)2(PO4)2•12(H2O)	>2
Uranophane, undifferentiated	Ca(UO2)2SiO3(OH)2•5(H2O)	>10
Uranopilite	[(UO2)6(SO4)O2(OH)6(H2O)6]•8(H2O)	>2
Uranospathite	Al1-x[ ]x[(UO2)(PO4)]2(H2O)20+3xF1-3x	>2
Ushkovite	MgFe+++2(PO4)2(OH)2•8(H2O)	1
Ussingite	Na2AlSi3O8(OH)	1
Uvanite	U++++++2V+++++6O21•15(H2O)	1
Uvarovite	Ca3Cr2(SiO4)3	>10
Uvite	(Ca,Na)(Mg,Fe++)3Al5Mg(BO3)3Si6O18(OH,F)4	>2
Uytenbogaardtite	Ag3AuS2	1
Vaesite	NiS2	1
Vajdakite	[(MoO2)2(H2O)2As2O5]•(H2O)	1
Valentinite	Sb2O3	>10
Valleriite	4(Fe,Cu)S•3(Mg,Al)(OH)2	>2
Vanadinite	Pb5(VO4)3Cl	>10
Vandenbrandeite	Cu(UO2)(OH)4	1

Vandendriesscheite	Pb(UO2)10O6(OH)11•11(H2O)	>2
Vanoxite	V++++4V+++++2O13•8(H2O)	1
Vantasselite	Al4(PO4)3(OH)3•9(H2O)	1
Vanuralite	Al(UO2)2(VO4)2(OH)•11(H2O)	>2
Variscite	AlPO4•2(H2O)	>10
Varlamoffite	(Sn,Fe)(O,OH)2	>2
Varulite	NaCaMn(Mn,Fe++,Fe+++)2(PO4)3	1
Vashegyite	Al11(PO4)9(OH)6•38(H2O)	>2
Vaterite	CaCO3	1
Vauquelinite	Pb2Cu(CrO4)(PO4)(OH)	>2
Vauxite	Fe++Al2(PO4)2(OH)2•6(H2O)	1
Väyrynenite	MnBe(PO4)(OH,F)	>2
Veatchite	Sr2B11O16(OH)5•(H2O)	>2
Vermiculite	(Mg,Fe++,Al)3(Al,Si)4O10(OH)2•4(H2O)	>10
Verplanckite	Ba2(Mn++,Ti,Fe++)2Si2O6(O,OH,Cl,F)2•3(H2O)	1
Versiliaite	Fe++4Fe+++8Sb+++12O23S2	1
Vésigniéite	Cu3Ba(VO4)2(OH)2	1
Vesuvianite	Ca10Mg2Al4(SiO4)5(Si2O7)2(OH)4	>10
Veszelyite	(Cu,Zn)2ZnPO4(OH)3•2(H2O)	>10
Vigezzite	(Ca,Ce)(Nb,Ta,Ti)2O6	1
Vikingite	Ag5Pb8Bi13S30	1
Villamanínite	(Cu,Ni,Co,Fe)S2	1
Villiaumite	NaF	>2
Vinogradovite	(Na,K)4Ti4(Si,Al)8O26•3(H2O,Na)	1
Violarite	Fe++Ni+++2S4	1
Vishnevite	(Na,Ca,K)6(Si,Al)12O24[(SO4),(CO3),Cl2]2-4•n(H2O)	>10
Vitusite-(Ce)	Na3(Ce,La,Nd)(PO4)2	1
Vivianite	Fe++3(PO4)2•8(H2O)	>10
Vlasovite	Na2ZrSi4O11	1
Voglite	Ca2Cu(UO2)(CO3)4•6(H2O)	1
Volborthite	Cu++3V+++++2O7(OH)2•2(H2O)	>2
Volkonskoite	Ca0.3(Cr+++,Mg,Fe+++)2(Si,Al)4O10(OH)2•4(H2O)	>2
Voltaite	K2Fe++5Fe+++3Al(SO4)12•18(H2O)	>2
Volynskite	AgBiTe2	1
Vonsenite	Fe++2Fe+++BO5	>2
Vuagnatite	CaAlSiO4(OH)	>2
Vuonnemite	Na11Nb2TiSi4O12(PO4)2O5F2	1
Vysotskite	(Pd,Ni)S	1
Wadeite	K2ZrSi3O9	>2
Wagnerite	(Mg,Fe++)2(PO4)F	>2
Wagnerite, var. Magniotriplite	(Mg,Fe++,Mn)2(PO4)F	1

Wairakite	CaAl2Si4O12•2(H2O)	1
Wakabayashilite	[(As,Sb)6S9][As4S5]	>2
Wakefieldite-(Y)	YVO4	1
Walentaite	(Ca,Mn++,Fe++)Fe+++3(AsO4)(PO4)3(PO3OH)	1
Walpurgite	Bi4(UO2)(AsO4)2O4•2(H2O)	>2
Wardite	NaAl3(PO4)2(OH)4•2(H2O)	>2
Warwickite	Mg(Ti,Fe+++,Al)(BO3)O	>2
Wavellite	Al3(PO4)2(OH,F)3•5(H2O)	>10
Waylandite	BiAl3(PO4)2(OH)6	1
Weberite	Na2MgAlF7	1
Weeksite	K2(UO2)2Si6O15•4(H2O)	>2
Wegscheiderite	Na5(CO3)(HCO3)3	1
Weilerite	BaAl3H[(As,P)O4]2(OH)6	1
Weloganite	Sr3Na2Zr(CO3)6•3(H2O)	>2
Wendwilsonite	Ca2(Mg,Co)(AsO4)2•2(H2O)	1
Wenkite	Ba4Ca6(Si,Al)20O39(OH)2(SO4)3•n(H2O)	1
Wermlandite	(Ca,Mg)Mg7(Al,Fe+++)2(SO4)2(OH)18•12(H2O)	>2
Wherryite	Pb7Cu2(SO4)4(SiO4)2(OH)2	>2
Whewellite	Ca(C2O4)•(H2O)	1
Whiteite-(CaFeMg)	Ca(Fe++,Mn++)Mg2Al2(PO4)4(OH)2•8(H2O)	>2
Whitlockite	Ca9(Mg,Fe++)(PO4)6(PO3OH)	>2
Wickenburgite	Pb3CaAl2Si10O27•4(H2O)	1
Wicksite	NaCa2(Fe++,Mn++)4MgFe+++(PO4)6•2(H2O)	1
Wightmanite	Mg5(BO3)O(OH)5•2(H2O)	>2
Wilcoxite	MgAl(SO4)2F•18(H2O)	>2
Willemite	Zn2SiO4	>10
Willhendersonite	KCaAl3Si3O12•5(H2O)	>2
Wiluite	Ca19(Al,Mg,Fe,Ti)13(B,Al,[ ])5Si18O68(O,OH)10	1
Winstanleyite	TiTe++++3O8	1
Witherite	BaCO3	>10
Wittichenite	Cu3BiS3	1
Wodginite	Mn++(Sn,Ta)(Ta,Nb)2O8	1
Wöhlerite	NaCa2(Zr,Nb)Si2O7(O,OH,F)2	>2
Wolfeite	(Fe++,Mn++)2(PO4)(OH)	>2
Wollastonite	CaSiO3	>10
Wölsendorfite	(Pb,Ba,Ca)U2O7•2(H2O)	1
Wonesite	(Na,K).5(Mg,Fe,Al)3(Si,Al)4O10(OH,F)2	1
Woodhouseite	CaAl3(PO4)(SO4)(OH)6	>2
Woodruffite	(Zn,Mn++)2Mn++++5O12•4(H2O)	1
Woodwardite	Cu4Al2(SO4)(OH)12•2-4(H2O)	>2
Wroewolfeite	Cu4(SO4)(OH)6•2(H2O)	>2

Wulfenite	PbMoO4	>10
Wülfingite	Zn(OH)2	1
Wurtzite	(Zn,Fe)S	>2
Wyllieite	(Na,Ca,Mn++)(Mn++,Fe++)(Fe++,Fe+++,Mg)Al(PO4)3	1
Xanthoconite	Ag3AsS3	1
Xanthoxenite	Ca4Fe+++2(PO4)4(OH)2•3(H2O)	1
Xenotime-(Y)	YPO4	>2
Xocomecatlite	Cu3Te++++++O4(OH)4	>2
Xonotlite	Ca6Si6O17(OH)2	>10
Yeatmanite	Mn++9Zn6Sb+++++2Si4O28	>2
Yecoraite	Bi5Fe+++3(Te++++O3)(Te++++++O4)2O9•9(H2O)	1
Yofortierite	(Mn,Mg)5Si8O20(OH)2•8-9(H2O)	1
Yoshimuraite	(Ba,Sr)2(Mn,Fe)2(Ti,Fe)(Si2O7)2(PO4,SO4)(OH)	1
Yttrotantalite-(Y)	(Y,U,Fe++)(Ta,Nb)O4	>2
Yttrotungstite-(Y)	YW2O6(OH)3	1
Yugawaralite	CaAl2Si6O16•4(H2O)	1
Yuksporite	(Sr,Ba)2K4(Ca,Na)14([ ],Mn,Fe){(Ti,Nb)4(O,OH)4[Si6O17]2[Si2O7]3}(H2O,OH)n,	1
Zanazziite	Ca2(Mg,Fe++)(Mg,Fe++,Al,Mn,Fe+++)4Be4(PO4)6(OH)4•6(H2O)	1
Zapatalite	Cu3Al4(PO4)3(OH)9•4(H2O)	1
Zaratite	Ni3(CO3)(OH)4•4(H2O)	>10
Zektzerite	NaLiZrSi6O15	1
Zellerite	Ca(UO2)(CO3)2•5(H2O)	1
Zemannite	Mg0.5[Zn++Fe+++(TeO3)3]•4.5(H2O)	1
Zeophyllite	Ca4Si3O8(OH,F)4•2(H2O)	>2
Zeunerite	Cu(UO2)2(AsO4)2•10-16(H2O)	>2
Zincite	(Zn,Mn)O	>2
Zincocopiapite	ZnFe+++4(SO4)6(OH)2•18(H2O)	1
Zincrosasite	(Zn,Cu)2(CO3)(OH)2	1
Zincsilite	Zn3Si4O10(OH)2•4(H2O)	1
Zinkenite	Pb9Sb22S42	>10
Zippeite	K4(UO2)6(SO4)3(OH)10•4(H2O)	>2
Zircon	ZrSiO4	>10
Zirconolite	(Ca,Ce)Zr(Ti,Nb,Fe+++)2O7	>2
Zircosulfate	Zr(SO4)2•4(H2O)	1
Zirkelite	(Ca,Th,Ce)Zr(Ti,Nb)2O7	1
Zirsilite-(Ce)	(Na,[ ])12(Ce,	1
Znucalite	CaZn11(UO2)(CO3)3(OH)20•4(H2O)	>2
Zoisite	Ca2Al3(SiO4)3(OH)	>10
Zorite	Na6Ti5[Si12O34](O,OH)5•11(H2O)	1
Zunyite	Al13Si5O20(OH,F)18Cl	>2
Zussmanite	K(Fe++,Mg,Mn)13[AlSi17O42](OH)14	1

Zýkaite	Fe+++4(AsO4)3(SO4)(OH)•15(H2O)	1