

Table S1. Tellurium minerals: Number of species-defining's elements (N) chemical formula, and number of localities (NL).

N	Mineral	Chemical formula	NL	References
4	Adanite	$Pb_2(TeO_3)(SO_4)$	1	1
6	Agaitite	$Pb_3[Cu(TeO_5OH)](CO_3)(OH)$	2	2
4	Alburnite	$Ag_8GeTe_2S_4$	1	3
4	Aleksite	$PbBi_2Te_2S_2$	28	4
2	Altaite	$PbTe$	489	5
5	Andychristyite	$PbCu(TeO_5) \cdot H_2O$	1	6
3	Andymcdonaldite	Fe_2TeO_6	1	7
5	Backite	Pb_2AlTeO_6Cl	1	8
6	Bairdite	$Pb_2Cu_4Te_2O_{10}(OH)_2(SO_4) \cdot H_2O$	4	9
3	Baksanite	$Bi_6Te_2S_3$	4	10
3	Balyakinite	$Cu(TeO_3)$	4	11
5	Benleonardite	$Ag_{15}CuSb_2S_7Te_4$	20	12
3	Bezsmertnovite	Au_4CuTe	6	13
4	Bilibinskite	$PbAu_3Cu_2Te_2$	12	14
4	Bodieite	$Bi_2(TeO_3)_2(SO_4)$	4	15
3	Borovskite	Pd_3SbTe_4	11	16
4	Brumadoite	$Cu_3(TeO_4)(OH)_4 \cdot 5HO$	1	17
5	Buckhornite	$Pb_2AuBiTe_2S_3$	13	18
6	Burckhardtite	$Pb_2(Fe^{3+}Te^{6+})_{\Sigma 2}(AlSi_3O_8)O_6$	4	19
2	Calaverite	$AuTe_2$	361	20
2	Cameronite	$Cu_5Cu_3Te_{10}$	1	21
3	Carlfriesite	$CaTe^{6+}(Te^{4+})_2O_8$	4	22
3	Cervelleite	Ag_4TeS	42	23
4	Cesbronite	$Cu_3Te^{6+}O_4(OH)_4$	3	24
3	Chekhovichite	$Bi_2Te_4O_{11}$	5	25
4	Chenguodaite	$Ag_9FeTe_2S_4$	2	26
5	Cheremnykhite	$Pb_3Zn_3(TeO_6)(VO_4)_2$	1	27
4	Chiluite	$Bi_6Te_2Mo^{6+}_2O_{21}$	1	28
7	Choloalite	$Pb_3(Cu_2Sb)_{\Sigma 3}Te_6O_{18}Cl$	7	29
5	Chromschieffelinite	$Pb_{10}[Te_2O_8(OH)_3]_2(TeO_2(OH)_4)_2(CrO_4) \cdot 5H_2O$	1	30
3	Cliffordite	UTe_3O_9	4	31
2	Coloradoite	$HgTe$	169	32
4	Cuzticite	$Fe_2(TeO_6) \cdot 3H_2O$	2	33
3	Dagenaisite	$Zn_3(TeO_6)$	1	34
5	Debattistiite	$Ag_{18}HgAs_{12}S_{24}Te_4$	1	35
4	Denningite	$CaMnTe_4O_{10}$	2	36
5	Dugganite	$Pb_3Zn_3(TeO_6)(AsO_4)_2$	18	37
5	Eckhardtite	$CaCu(TeO_5) H_2O$	3	38

4	Emmonsite	$\text{Fe}_2(\text{TeO}_3)_3 \cdot 2\text{H}_2\text{O}$	34	39
2	Empressite	AgTe	43	40
7	Eurekadumpite	$\text{Cu}_{16}(\text{TeO}_3)_2(\text{AsO}_4)_3\text{Cl}(\text{OH})_{18} \cdot 7\text{H}_2\text{O}$	5	41
5	Eztlite	$\text{Pb}_2\text{Fe}_3(\text{TeO}_3)_3(\text{SO}_4)\text{O}_2\text{Cl}$	2	33
3	Fairbankite	$\text{Pb}(\text{TeO}_3)$	1	42
4	Frankhawthorneite	$\text{Cu}_2(\text{TeO}_4)(\text{OH})_2$	2	43
2	Frohbergite	FeTe_2	40	44
6	Fuettererite	$\text{Pb}_3\text{Cu}_6(\text{TeO}_6)(\text{OH})_7\text{Cl}_5$	3	45
2	Gaotaiite	Ir_3Te_8	1	46
3	Goldfieldite	$\text{Cu}_{10}\text{Te}_4\text{S}_{13}$	72	47
4	Graemite	$\text{Cu}(\text{TeO}_3) \cdot \text{H}_2\text{O}$	6	48
6	Hagstromite	$\text{Pb}_8\text{Cu}(\text{TeO}_6)_2(\text{CO}_3)\text{Cl}_4$		49
2	Hedleyite	Bi_7Te_3	104	50
3	Henryite	$\text{Cu}_4\text{Ag}_3\text{Te}_4$	4	51
2	Hessite	Ag_2Te	804	52
4	Hitachiite	$\text{Pb}_5\text{Bi}_2\text{Te}_2\text{S}_6$	1	53
3	Honeaite	Au_3TlTe_2	3	54
5	Housleyite	$\text{Pb}_6\text{CuTe}_4\text{O}_{18}(\text{OH})_2$	5	55
6	Ilimneyite	$\text{MgZn}_2\text{Mn}_2(\text{TeO}_3)_6 \cdot 9\text{H}_2\text{O}$	1	56
3	Ingodite	Bi_2TeS	30	57
4	Jensenite	$\text{Cu}_3(\text{TeO}_6) \cdot 2\text{H}_2\text{O}$	3	58
6	Juabite	$\text{CaCu}_{10}(\text{TeO}_3)_4(\text{AsO}_4)_4(\text{OH})_2 \cdot 4\text{H}_2\text{O}$	6	59
2	Kalgoorlieite	As_2Te_3	2	60
3	Kawazulite	$\text{Bi}_2\text{Te}_2\text{Se}$	32	61
2	Keithconnite	$\text{Pd}_{20}\text{Te}_7$	40	62
7	Keystoneite	$\text{MgNi}_2\text{Fe}_2(\text{TeO}_3)_6 \cdot 9\text{H}_2\text{O}$	4	63
5	Khinite	$\text{Cu}_3\text{Pb}(\text{TeO}_6)(\text{OH})_2$	14	37
5	Kinichilite	$\text{MgMn}_2\text{Fe}_2(\text{TeO}_3)_6 \cdot 9\text{H}_2\text{O}$	2	64
3	Kitkaite	NiTeSe	1	65
3	Kochkarite	PbBi_4Te_7	5	66
3	Kojonenite	$\text{Pd}_{7-x}\text{SnTe}_2$	1	67
3	Kolarite	PbTeCl_2	3	68
3	Kostovite	AuCuTe_4	21	69
2	Kotulskite	PdTe	116	70
3	Krennerite	Au_3AgTe_8	111	71
5	Kuksite	$\text{Pb}_3\text{Zn}_3(\text{TeO}_6)(\text{PO}_4)_2$	6	27
4	Kuranakhite	$\text{PbMn}(\text{TeO}_6)$	7	72
3	Kurilite	$\text{Ag}_8\text{Te}_3\text{Se}$	2	73
5	Leisingite	$\text{CuMg}_2(\text{TeO}_6) \cdot 6\text{H}_2\text{O}$	2	74
2	Lingbaoite	AgTe_3	1	75
3	Lukkulaisvaaraite	$\text{Pd}_{14}\text{Ag}_2\text{Te}_9$	2	76

4	Mackayite	$\text{Fe}(\text{Te}_2\text{O}_5)(\text{OH})$	12	77
3	Magnolite	$\text{Hg}_2(\text{TeO}_3)$	3	78
3	Maletoyvayamite	$\text{Au}_3\text{Se}_4\text{Te}_6$	1	79
4	Markcooperite	$\text{Pb}_2(\text{UO}_2)(\text{TeO}_6)$	2	80
3	Maslovite	PtBiTe	23	81
2	Mattagamite	CoTe_2	7	82
3	Mayingite	IrBiTe	3	83
5	Mazzettiite	$\text{Ag}_3\text{HgPbSbTe}_5$	1	84
3	Mcalpineite	$\text{Cu}_3(\text{TeO}_6)$	12	85
2	Melonite	NiTe_2	207	86
2	Merenskyite	PdTe_2	155	87
5	Metatamboite	$\text{Fe}_3(\text{OH})(\text{SO}_4)(\text{TeO}_3)_3[\text{TeO}(\text{OH})_2] \cdot 3\text{H}_2\text{O}$	1	88
3	Michenerite	PdBiTe	114	89
3	Miessiite	$\text{Pd}_{11}\text{Te}_2\text{Se}_2$	1	90
4	Millsite	$\text{Cu}(\text{TeO}_3) \cdot 2\text{H}_2\text{O}$	1	91
2	Mitrofanovite	Pt_3Te_4	1	92
4	Moctezumite	$\text{Pb}(\text{UO}_2)(\text{TeO}_3)_2$	1	93
5	Mojaveite	$\text{Cu}_6[\text{TeO}_4(\text{OH})_2](\text{OH})_7\text{Cl}$	9	94
2	Moncheite	PtTe_2	133	70
3	Monchetundraite	Pd_2NiTe_2	1	95
4	Montanite	$\text{Bi}_2(\text{TeO}_6) \cdot 2\text{H}_2\text{O}$	22	96
2	Montbrayite	Au_2Te_3	19	97
4	Mroseite	$\text{CaTeO}_2(\text{CO}_3)$	3	98
5	Müllerite	$\text{Pb}_2\text{Fe}(\text{TeO}_6)\text{Cl}$	1	99
3	Museumite	$\text{Pb}_2\text{Pb}_2\text{S}_8\text{Te}_2$	1	100
3	Muthmannite	AuAgTe_2	7	101
6	Nabokoite	$\text{Cu}_7\text{TeO}_4(\text{SO}_4)_5 \cdot \text{KCl}$	1	102
4	Northstarite	$\text{Pb}_6(\text{TeO}_3)_5(\text{S}^{6+}\text{O}_3\text{S}^{2-})$	1	103
3	Ognitite	NiBiTe	1	104
3	Ottoite	Pb_2TeO_5	5	105
5	Oulankaite	$\text{Pd}_5\text{Cu}_4\text{SnTe}_2\text{S}_2$	3	106
3	Pampaloite	AuSbTe	1	107
5	Pararaisaite	$\text{CuMg}[\text{TeO}_4(\text{OH})_2] \cdot 6\text{H}_2\text{O}$	1	108
2	Paratellurite	TeO_2	20	109
5	Paratimroseite	$\text{Pb}_2\text{Cu}_4(\text{TeO}_6)_2 \cdot 2\text{H}_2\text{O}$	2	110
3	Pašavaite	$\text{Pd}_3\text{Pb}_2\text{Te}_2$	1	111
3	Petzite	Ag_3AuTe_2	409	112
2	Pilsenite	Bi_4Te_3	57	113
3	Pingguite	$\text{Bi}_6\text{Te}_2\text{O}_{13}$	5	114
3	Plumbotellurite	$\text{Pb}(\text{TeO}_3)$	3	115
5	Poughite	$\text{Fe}_2(\text{TeO}_3)_2(\text{SO}_4) \cdot 3\text{H}_2\text{O}$	12	116

5	Quetzalcoatlite	$\text{Cu}_4\text{Zn}_8(\text{TeO}_3)_3(\text{OH})_{18}$	6	117
4	Radhakrishnaite	PbTe_3Cl_2	2	68
5	Raisaite	$\text{CuMg}[\text{TeO}_4(\text{OH})_2] \cdot 6\text{H}_2\text{O}$	1	118
3	Rajite	CuTe_2O_5	2	119
2	Rickardite	Cu_3Te_2	52	120
5	Rodalquilarite	$\text{H}_3\text{Fe}_2(\text{Te}^{4+}\text{O}_3)_4\text{Cl}$	6	121
3	Rucklidgeite	PbBi_2Te_4	64	122
4	Saddlebackite	$\text{Pb}_2\text{Bi}_2\text{Te}_2\text{S}_3$	3	123
5	Schieffelinite	$\text{Pb}_{10}\text{Te}_6\text{O}_{20}(\text{OH})_{14}(\text{SO}_4) \cdot 5\text{H}_2\text{O}$	4	124
3	Schmitterite	$(\text{UO}_2)(\text{TeO}_3)$	6	125
2	Shuangfengite	IrTe_2	4	126
3	Skippenite	$\text{Bi}_2\text{Se}_2\text{Te}$	6	127
3	Smirnite	Bi_2TeO_5	7	128
4	Sonoraite	$\text{Fe}(\text{TeO}_3)(\text{OH}) \cdot \text{H}_2\text{O}$	11	129
3	Sopcheite	$\text{Ag}_4\text{Pd}_3\text{Te}_4$	24	130
2	Spiridonovite	Cu_2Te	1	131
3	Spiroffite	$\text{Mn}_2\text{Te}_3\text{O}_8$	4	132
2	Stützite	Ag_5Te_3	59	133
3	Sulphotsumoite	$\text{Bi}_3\text{Te}_2\text{S}$	13	134
3	Sylvanite	AgAuTe_4	337	135
5	Tamboite	$\text{Fe}_3(\text{OH})(\text{SO}_4)(\text{Te}^{4+}\text{O}_3)_3[\text{Te}^{4+}\text{O}(\text{OH})_2] \cdot 5\text{H}_2\text{O}$	1	88
4	Teineite	$\text{Cu}(\text{TeO}_3) \cdot 2\text{H}_2\text{O}$	14	136
2	Telargpalite	Pd_3Te	18	137
2	Tellurantimony	Sb_2Te_3	29	82
2	Tellurite	TeO_2	52	138
1	Tellurium	Te	190	139
2	Tellurobismuthite	Bi_2Te_3	276	140
4	Tellurohauchecornite	$\text{Ni}_9\text{BiTeS}_8$	2	141
4	Telluromandarinoite	$\text{Fe}^{3+}_2(\text{Te}^{4+}\text{O}_3)_3 \cdot 6\text{H}_2\text{O}$	1	142
3	Telluronevskite	Bi_3TeSe_2	3	143
2	Telluropalladinite	Pd_9Te_4	15	62
4	Telluroperite	$\text{Pb}_2(\text{TePb})_{\Sigma 2}\text{O}_4\text{Cl}_2$	4	144
3	Temagamite	Pd_3HgTe_3	24	145
3	Tetradymite	$\text{Bi}_2\text{Te}_2\text{S}$	510	146
4	Tewite	$\text{K}_4(\text{Te}_3\text{O}_{10})_{\Sigma 4}\text{W}_{10}\text{O}_{38}$	1	147
6	Thorneite	$\text{Pb}_6(\text{Te}_2\text{O}_{10})(\text{CO}_3)\text{Cl}_2(\text{H}_2\text{O})$	4	148
5	Timroseite	$\text{Pb}_2\text{Cu}_5(\text{TeO}_6)_2(\text{OH})_2$	8	110
6	Tlalocite	$\text{Cu}_{10}\text{Zn}_6(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)_2\text{Cl}(\text{OH})_{25} \cdot 27\text{H}_2\text{O}$	2	149
6	Tlapallite	$\text{H}_6\text{Ca}_2\text{Cu}_3\text{O}_2(\text{SO}_4)(\text{Te}^{4+}\text{O}_3)_4(\text{Te}^{6+}\text{O}_4)$	5	150
3	Törnroosite	$\text{Pd}_{11}\text{As}_2\text{Te}_2$	4	151
4	Tsnigriite	$\text{Ag}_9\text{SbTe}_3\text{S}_3$	4	152

2	Tsumoite	BiTe	100	153
5	Utahite	$\text{Cu}_5\text{Zn}_3(\text{TeO}_4)_4(\text{OH})_8 \cdot 7\text{H}_2\text{O}$	4	154
3	Vavřinite	Ni_2SbTe_2	2	155
3	Vihorlatite	$\text{Bi}_{24}\text{Se}_{17}\text{Te}_4$	1	156
3	Volynskite	AgBiTe_2	64	157
2	Vulcanite	CuTe	11	158
3	Walfordite	$(\text{Fe}^{3+}_2\text{Te}^{6+})_{\Sigma 3}\text{Te}^{4+}_9\text{O}_{24}$	1	159
2	Weissite	Cu_2Te	31	160
3	Winstanleyite	TiTe_3O_8	2	42
5	Xocolatlite	$\text{Ca}_2\text{Mn}_2\text{Te}_2\text{O}_{12} \cdot \text{H}_2\text{O}$	2	161
4	Xocomecatlite	$\text{Cu}(\text{TeO}_4)(\text{OH})_4$	10	149
4	Yafsoanite	$\text{Ca}_3\text{Zn}_3(\text{TeO}_6)_2$	4	162
5	Yecoraite	$\text{Fe}_3\text{Bi}_5\text{O}_9(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)_2 \cdot 9\text{H}_2\text{O}$	7	163
6	Zemannite	$\text{MgZn}_2\text{Fe}_2(\text{TeO}_3)_6 \cdot 9\text{H}_2\text{O}$	7	164
3	Zincospiroffite	$\text{Zn}_2\text{Te}_3\text{O}_8$	4	165

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Table S2. Classification of mineral systems of tellurium minerals according to number of species-defining elements (N) and chemical composition.

N	System	Mineral	Chemical formula
Native elements			
1	Te	Tellurium	Te
Oxides			
2	OTe	Paratellurite	TeO ₂
		Tellurite	TeO ₂
Tellurides			
<i>I. Simple tellurides</i>			
	TeAs	Kalgoorlieite	As ₂ Te ₃
	TeSb	Tellurantimony	Sb ₂ Te ₃
	TeBi	Tsumoite	BiTe
		Tellurobismuthite	Bi ₂ Te ₃
		Pilsenite	Bi ₄ Te ₃
		Hedleyite	Bi ₇ Te ₃
	TePb	Altaite	PbTe
	TeFe	Frohbergite	FeTe ₂
	TeCo	Mattagamite	CoTe ₂
	TeNi	Melonite	NiTe ₂
2	TePd	Merenskyite	PdTe ₂
		Kotulskite	PdTe
		Telargpalite	Pd ₃ Te
		Telluropalladinite	Pd ₉ Te ₄
		Keithconnite	Pd ₂₀ Te ₇
	TeIr	Shuangfengite	IrTe ₂
		Gaotaiite	Ir ₃ Te ₈
	TePt	Moncheite	PtTe ₂
		Mitrofanovite	Pt ₃ Te ₄
	TeCu	Vulcanite	CuTe
Weissite		Cu _{2-x} Te	
Rickardite		Cu _{3-x} Te ₂	
Cameronite		Cu ₅ Cu ₃ Te ₁₀	
Spiridonovite		Cu ₂ Te	
TeAg	Empressite	AgTe	
	Hessite	Ag ₂ Te	
	Stützite	Ag ₅ Te ₃	
	Lingbaoite	AgTe ₃	
TeAu	Calaverite	AuTe ₂	

		Montbrayite	Au_2Te_3
	TeHg	Coloradoite	HgTe
	TeAsPd	Törnroosite	$\text{Pd}_{11}\text{As}_2\text{Te}_2$
	TeSbNi	Vavřínite	Ni_2SbTe_2
	TeSbPd	Borovskite	Pd_3SbTe_4
	TeSbAu	Pampaloite	AuSbTe
	TeBiPb	Rucklidgeite	PbBi_2Te_4
		Kochkarite	PbBi_4Te_7
	TeBiNi	Ognitite	NiBiTe
	TeBiPd	Michenerite	PdBiTe
	TeBiIr	Mayingite	IrBiTe
	TeBiPt	Maslovite	PtBiTe
	TeBiAg	Volynskite	AgBiTe_2
	TeSnPd	Kojonenite	Pd_6SnTe_2
3	TePbPd	Pašavaite	$\text{Pd}_3\text{Pb}_2\text{Te}_2$
	TeTlAu	Honeaite	Au_3TlTe_2
	TeNiPd	Monchetundraite	Pd_2NiTe_2
	TePdAg	Lukkulaisvaaraite	$\text{Ag}_2\text{Pd}_{14}\text{Te}_9$
		Sopcheite	$\text{Ag}_4\text{Pd}_3\text{Te}_4$
	TePdHg	Temagamite	Pd_3HgTe_3
	TeCuAg	Henryite	$\text{Cu}_4\text{Ag}_3\text{Te}_4$
	TeCuAu	Kostovite	AuCuTe_4
		Bezsmertnovite	Au_4CuTe
		Muthmannite	AuAgTe_2
	TeAgAu	Petzite	AuAg_3Te_2
		Sylvanite	AuAgTe_4
		Krennerite	Au_3AgTe_8
4	TePbCuAu	Bilibinskite	$\text{PbAu}_3\text{Cu}_2\text{Te}_2$
5	TeSbPbAgHg	Mazzettiite	$\text{Ag}_3\text{HgPbSbTe}_5$

II. Sulphido-tellurides

		Ingodite	Bi_2TeS
	STeBi	Tetradymite	$\text{Bi}_2\text{Te}_2\text{S}$
		Sulphotsumoite	$\text{Bi}_3\text{Te}_2\text{S}$
3		Baksanite	$\text{Bi}_6\text{Te}_2\text{S}_3$
	STePb	Museumite	$\text{Pb}_2\text{Pb}_2\text{S}_8\text{Te}_2$
	STeCu	Goldfieldite	$\text{Cu}_{10}\text{Te}_4\text{S}_{13}$
	STeAg	Cervelleite	Ag_4TeS
4	STeSbAg	Tsnigriite	$\text{Ag}_9\text{SbTe}_3\text{S}_3$
	STeBiPb	Aleksite	$\text{PbBi}_2\text{Te}_2\text{S}_2$

		Saddlebackite	$\text{Pb}_2\text{Bi}_2\text{Te}_2\text{S}_3$
		Hitachiite	$\text{Pb}_5\text{Bi}_2\text{Te}_2\text{S}_6$
	STeBiNi	Tellurohauchecornite	$\text{Ni}_9\text{BiTeS}_8$
	STeGeAg	Alburnite	$\text{Ag}_8\text{GeTe}_2\text{S}_4$
	STeFeAg	Chenguodaite	$\text{Ag}_9\text{FeTe}_2\text{S}_4$
	STeAsAgHg	Debattistiite	$\text{Ag}_9\text{Hg}_{0.5}\text{As}_6\text{S}_{12}\text{Te}_2$
5	STeSbCuAg	Benleonardite	$\text{Ag}_{15}\text{CuSb}_2\text{S}_7\text{Te}_4$
	STeBiPbAu	Buckhornite	$\text{Pb}_2\text{AuBiTe}_2\text{S}_3$
	STeSnPdCu	Oulankaite	$\text{Pd}_5\text{Cu}_4\text{SnTe}_2\text{S}_2$
III. Selenido-tellurides			
		Kawazulite	$\text{Bi}_2\text{Te}_2\text{Se}$
	SeTeBi	Skippenite	$\text{Bi}_2\text{Se}_2\text{Te}$
		Telluronevskite	Bi_3TeSe_2
		Vihorlatite	$\text{Bi}_{24}\text{Se}_{17}\text{Te}_4$
3		SeTeNi	Kitkaite
	SeTePd	Miessiite	$\text{Pd}_{11}\text{Te}_2\text{Se}_2$
	SeTeAg	Kurilite	$\text{Ag}_8\text{Te}_3\text{Se}$
	SeTeAu	Maletoyvayamite	$\text{Au}_3\text{Se}_4\text{Te}_6$
IV. Chlorido-tellurides			
3	ClTePb	Kolarite	PbTeCl_2
		Radhakrishnaite	PbTe_3Cl_2
Tellurites			
I. Anhydrous tellurites			
	OTeBi	Chekhovichite	$\text{Bi}^{3+}_2\text{Te}^{4+}_4\text{O}_{11}$
		Pingguite	$\text{Bi}_6\text{Te}_2\text{O}_{13}$
		Smirnite	Bi_2TeO_5
	OTePb	Fairbankite	$\text{Pb}(\text{TeO}_3)$
		Plumbotellurite	$\text{Pb}(\text{TeO}_3)$
	OTeTi	Winstanleyite	TiTe_3O_8
3	OTeMn	Spiroffite	$\text{Mn}_2\text{Te}_3\text{O}_8$
	OTeCu	Balyakinite	$\text{Cu}(\text{TeO}_3)$
		Rajite	CuTe_2O_5
	OTeZn	Zincospiroffite	$\text{Zn}_2\text{Te}_3\text{O}_8$
	OTeHg	Magnolite	$\text{Hg}_2(\text{TeO}_3)$
	OTeU	Cliffordite	UTe_3O_9
		Schmitterite	$(\text{UO}_2)(\text{TeO}_3)$
4	OCITePb	Telluroperite	$\text{Pb}_2(\text{TePb})_{\Sigma 2}\text{O}_4\text{Cl}_2$
	OSTeBi	Bodieite	$\text{Bi}_2(\text{TeO}_3)_2(\text{SO}_4)$

	OSTePb	Adanite	$\text{Pb}_2(\text{TeO}_3)(\text{SO}_4)$
		Northstarite	$\text{Pb}_6(\text{Te}^{4+}\text{O}_3)_5(\text{S}^{6+}\text{O}_3\text{S}^{2-})$
	OTeCCa	Mroseite	$\text{CaTeO}_2(\text{CO}_3)$
	OTeWK	Tewite	$\text{K}_4(\text{Te}_3\Box)_{\Sigma 4}\text{W}_{10}\text{O}_{38}$
	OTeMnCa	Denningite	$\text{CaMnTe}_4\text{O}_{10}$
	OTeUPb	Moctezumite	$\text{Pb}(\text{UO}_2)(\text{TeO}_3)_2$
	OCISTePbFe	Eztlite	$\text{Pb}_2\text{Fe}_3(\text{TeO}_3)_3(\text{SO}_4)\text{O}_2\text{Cl}$
6	OCISTeCuK	Nabokoite	$\text{Cu}_7\text{TeO}_4(\text{SO}_4)_5\cdot\text{KCl}$
	OCITeSbPbCu	Choloalite	$\text{Pb}_3(\text{Cu}_2\text{Sb})_{\Sigma 3}\text{Te}_6\text{O}_{18}\text{Cl}$

II. *Hydrous tellurites*

		Emmonsite	$\text{Fe}_2(\text{TeO}_3)_3\cdot 2\text{H}_2\text{O}$
		Mackayite	$\text{FeTe}_2\text{O}_5(\text{OH})$
	OHTeFe	Sonoraite	$\text{Fe}(\text{TeO}_3)(\text{OH})\cdot\text{H}_2\text{O}$
4		Telluromandarinoite	$\text{Fe}_2(\text{TeO}_3)_3\cdot 6\text{H}_2\text{O}$
		Millsite	$\text{CuTeO}_3\cdot 2\text{H}_2\text{O}$
	OHTeCu	Teineite	$\text{Cu}(\text{TeO}_3)\cdot 2\text{H}_2\text{O}$
		Graemite	$\text{Cu}(\text{TeO}_3)\cdot\text{H}_2\text{O}$
	OHCITeFe	Rodalquilarite	$\text{H}_3\text{Fe}_2(\text{TeO}_3)_4\text{Cl}$
5		Tamboite	$\text{Fe}_3(\text{TeO}_3)_3[\text{TeO}(\text{OH})_2](\text{SO}_4)(\text{OH})\cdot 5\text{H}_2\text{O}$
	OHSTeFe	Metatamboite	$\text{Fe}_3(\text{TeO}_3)_3[\text{TeO}(\text{OH})_2](\text{SO}_4)(\text{OH})\cdot 3\text{H}_2\text{O}$
		Poughite	$\text{Fe}_2(\text{TeO}_3)_2(\text{SO}_4)\cdot 3\text{H}_2\text{O}$
	OHCITeAsCu	Eurekadumpite	$\text{Cu}_{16}(\text{TeO}_3)_2(\text{AsO}_4)_3\text{Cl}(\text{OH})_{18}\cdot 7\text{H}_2\text{O}$
	OHTeAsCuCa	Juabite	$\text{CaCu}_{10}(\text{TeO}_3)_4(\text{AsO}_4)_4(\text{OH})_2\cdot 4\text{H}_2\text{O}$
6	OHTeMnFeMg	Kinichilite	$\text{MgMn}_2\text{Fe}_2(\text{TeO}_3)_6\cdot 9\text{H}_2\text{O}$
	OHTeMnZnMg	Iirneyite	$\text{MgZn}_2\text{Mn}_2(\text{TeO}_3)_6\cdot 9\text{H}_2\text{O}$
	OHTeFeNiMg	Keystoneite	$\text{MgNi}_2\text{Fe}_2(\text{TeO}_3)_6\cdot 9\text{H}_2\text{O}$
	OHTeFeZnMg	Zemannite	$\text{MgZn}_2\text{Fe}_2(\text{TeO}_3)_6\cdot 9\text{H}_2\text{O}$

Tellurates

I. *Anhydrous tellurates*

	OTePb	Ottoite	$\text{Pb}_2(\text{TeO}_5)$
3	OTeFe	Andymcdonaldite	$\text{Fe}_2(\text{TeO}_6)$
	OTeCu	Mcalpineite	$\text{Cu}_3(\text{TeO}_6)$
	OTeZn	Dagenaisite	$\text{Zn}_3(\text{TeO}_6)$
	OTeBiMo	Chiluite	$\text{Bi}_6\text{Te}_2\text{Mo}_2\text{O}_{21}$
4	OTePbU	Markcooperite	$\text{Pb}_2(\text{UO}_2)(\text{TeO}_6)$
	OTeMnPb	Kuranakhite	$\text{PbMn}(\text{TeO}_6)$
	OTeZnCa	Yafsoanite	$\text{Ca}_3\text{Zn}_3(\text{TeO}_6)_2$
5	OCITePbAl	Backite	$\text{Pb}_2\text{Al}(\text{TeO}_6)\text{Cl}$

	OCITePbFe	Müllerite	$\text{Pb}_2\text{Fe}(\text{TeO}_6)\text{Cl}$
	OTeAsPbZn	Dugganite	$\text{Pb}_3\text{Zn}_3(\text{TeO}_6)(\text{AsO}_4)_2$
	OTePPbZn	Kuksite	$\text{Pb}_3\text{Zn}_3(\text{TeO}_6)(\text{PO}_4)_2$
	OTePbVZn	Cheremnykhite	$\text{Pb}_3\text{Zn}_3(\text{TeO}_6)(\text{VO}_4)_2$
6	OCITeCPbCu	Hagstromite	$\text{Pb}_8\text{Cu}(\text{TeO}_6)_2(\text{CO}_3)\text{Cl}_4$
	OTeSiPbAlFe	Burckhardtite	$\text{Pb}_2(\text{Fe}^{3+}\text{Te}^{6+})_{\Sigma 2}(\text{AlSi}_3\text{O}_8)\text{O}_6$

II. Hydrous tellurates

	OHTeBi	Montanite	$\text{Bi}_2(\text{TeO}_6) \cdot 2\text{H}_2\text{O}$
	OHTeFe	Cuzticite	$\text{Fe}_2(\text{TeO}_6) \cdot 3\text{H}_2\text{O}$
4		Brumadoite	$\text{Cu}_3(\text{TeO}_4)(\text{OH})_4 \cdot 5\text{H}_2\text{O}$
		Cesbronite	$\text{Cu}_3(\text{TeO}_4)(\text{OH})_4$
	OHTeCu	Frankhawthorneite	$\text{Cu}_2(\text{TeO}_4)(\text{OH})_2$
		Jensenite	$\text{Cu}_3(\text{TeO}_6) \cdot 2\text{H}_2\text{O}$
		Xocomecatlite	$\text{Cu}_3(\text{TeO}_4)(\text{OH})_4$
	OHCITeCu	Mojaveite	$\text{Cu}_6[\text{TeO}_4(\text{OH})_2](\text{OH})_7\text{Cl}$
	OHSTePb	Schieffelinite	$\text{Pb}_{10}\text{Te}_6\text{O}_{20}(\text{OH})_{14}(\text{SO}_4) \cdot 5\text{H}_2\text{O}$
	OHTePbCr	Chromschieffelinite	$\text{Pb}_{10}\text{Te}_6\text{O}_{20}(\text{OH})_{14}(\text{CrO}_4) \cdot 5\text{H}_2\text{O}$
		Andychristyite	$\text{PbCuTeO}_5 \cdot \text{H}_2\text{O}$
		Housleyite	$\text{Pb}_6\text{CuTe}_4\text{O}_{18}(\text{OH})_2$
	OHTePbCu	Khinite	$\text{Cu}_3\text{Pb}(\text{TeO}_6)(\text{OH})_2$
		Paratimroseite	$\text{Pb}_2\text{Cu}_4(\text{TeO}_6)_2 \cdot 2\text{H}_2\text{O}$
5		Timroseite	$\text{Pb}_2\text{Cu}_5(\text{TeO}_6)_2(\text{OH})_2$
	OHTeMnCa	Xocolatlite	$\text{Ca}_2\text{Mn}_2\text{Te}_2\text{O}_{12} \cdot \text{H}_2\text{O}$
	OHTeCuZn	Utahite	$\text{Cu}_5\text{Zn}_3(\text{TeO}_4)_4(\text{OH})_8 \cdot 7\text{H}_2\text{O}$
		Quetzalcoatlite	$\text{Cu}_4\text{Zn}_8(\text{TeO}_3)_3(\text{OH})_{18}$
		Leisingite	$\text{CuMg}_2(\text{TeO}_6) \cdot 6\text{H}_2\text{O}$
	OHTeCuMg	Pararaisaite	$\text{CuMg}[\text{TeO}_4(\text{OH})_2] \cdot 6\text{H}_2\text{O}$
		Raisaite	$\text{CuMg}[\text{TeO}_4(\text{OH})_2] \cdot 6\text{H}_2\text{O}$
	OHTeCuCa	Eckhardite	$\text{CaCuTeO}_5 \cdot \text{H}_2\text{O}$
	OHCITeCPb	Thorneite	$\text{Pb}_6(\text{Te}_2\text{O}_{10})(\text{CO}_3)\text{Cl}_2 \cdot \text{H}_2\text{O}$
6	OHCITePbCu	Fuettererite	$\text{Pb}_3\text{Cu}_6(\text{TeO}_6)(\text{OH})_7\text{Cl}_5$
	OHSTePbCu	Bairdite	$\text{Pb}_2\text{Cu}_4\text{Te}_2\text{O}_{10}(\text{OH})_2(\text{SO}_4) \cdot \text{H}_2\text{O}$
	OHTeCPbCu	Agaitite	$\text{Pb}_3\text{CuTeO}_5(\text{OH})_2(\text{CO}_3)$

Tellurito-tellurates

I. Anhydrous tellurito-tellurates

3	OTeCa	Carlfriesite	$\text{CaTe}(\text{Te}^{4+})_2\text{O}_8$
	OTeFe	Walfordite	$(\text{Fe}^{3+}_2\text{Te}^{6+})_{\Sigma 3}\text{Te}^{4+}_9\text{O}_{24}$

II. Hydrous tellurito-tellurates

5	OHTeBiFe	Yecoraite	$\text{Fe}_3\text{Bi}_5\text{O}_9(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)_2 \cdot 9\text{H}_2\text{O}$
6	OHCITeCuZn	Tlalocite	$\text{Cu}_{10}\text{Zn}_6(\text{Te}^{4+}\text{O}_3)(\text{Te}^{6+}\text{O}_4)_2\text{Cl}(\text{OH})_{25} \cdot 27\text{H}_2\text{O}$
	OHSTeCuCa	Tlapallite	$\text{H}_6\text{Ca}_2\text{Cu}_3\text{O}_2(\text{SO}_4)(\text{Te}^{4+}\text{O}_3)_4(\text{Te}^{6+}\text{O}_4)$
