



MINERAL NAME	CHEMICAL FORMULA	LUSTRE	FLOTATION	CHEMISTRY
ANTIMONY MINERALS				
ANIMIKITE	Antimonian Silver		Yes	
AMMIOLITE (ALTERED TETRAHEDRITE)	(Sb,Hg,Te,Cu,SiO ₂)	Earthy powder	No	
AREQUIPITE	(Pb, Sb SiO ₂)	Waxy	No	
ARSENSTIBITE	SbAs(H ₂ O)		No	
ARSENOSTIBITE	SbAs(H ₂ O).Fe ₂ O ₃		No	
ATOPITE (VARY OF ROMEITE)	Ca ₂ Sb ₂ O ₇ or 2CaO.Sb ₂ O ₅ (+Fe,Mn,)		No	- In HSC Thermodynamic DataBase
AUROSTIBITE	AuSb ₂	Metallic	Yes	
BARCENITE	Hg SbO ₄		No	
BASILIITE	Mn, SbO ₄		No	
BERTHIERITE	FeSb ₂ S ₄ (FeS,Sb ₂ S ₃)	Metallic	?? No	
BINDHEIMITE	Pb ₂ Sb ₂ O ₆ (O, OH)	Resinous, Dull, Earthy	No	
BOULANGERITE	Pb ₅ Sb ₄ S ₁₁	Metallic	No	
BOURNONITE	PbCuSb ₃	Brilliant to Dull	Yes	
BREITHAUPTITE	NiSb	Metallic	Yes	
CATOPTRITE	14(Mn,Mg,Fe)O.2(Al,Fe) ₂ O ₃ .Sb ₂ O ₅ .2SiO ₂		No	
CERVANTITE	Sb ₂ O ₄	Vitreous-Pearly	No	- In HSC Thermodynamic DataBase
CHALCOSTIBITE	CuSbS ₂	Metallic	Yes	
CHANARCILLITE	Arsenical silver ???			
CORONGUITE	Pb, Ag, SbO ₄		No	
CORYNITE OR KORYNITE	(Ni,Fe,Co)(Sb,As)S		Poss	
DERBYLITE	Fe ₆ Ti ₆ Sb ₂ O ₂₃		No	
DIAPHORITE	Pb ₂ Ag ₃ Sb ₃ S ₈	Metallic	Poss	
DURFELDTITE	Pb(Ag,Cu,Fe)MnSb ₂	Metallic	No	



	S6)			
DYSCRASITE	Ag ₃ Sb	Metallic	Yes	
FAMATINITE	Cu ₃ SbS ₄	Dull Metallic	Yes	
FERROSTIBIAN				
FLAJOLOTITE	FeSbO ₄ .3/4 H ₂ O		No	
FRANCKEITE	Pb ₅ Sn ₃ Sb ₂ S ₁₄	Metallic	Poss	
FREIESLEBENITE	AgPbSbS ₃	Metallic	Yes	
FULOPPITE	Pb ₃ Sb ₈ S ₁₅	Metallic	Yes	
GUDMUNDITE	FeSbS	Metallic	Yes	
GUEJARITE OR CHALCOSTIBITE				
HEMATOSTIBNITE	Fe, Mn, SbO ₄	sub-metallis	No	
JAMESONITE	Pb ₄ FeSb ₆ S ₁₄	Metallic	Yes	
KERMESITE	Sb ₂ S ₂ O	Adamantine	No	
KOBELLITE	Cu ₂ Pb ₁₀ (Bi, Sb) ₁₆ S ₃₅	Metallic	Poss	
LEWISITE	Variation of Romeite			
LIVINGSTONITE	HgSb ₄ S ₈	Adamantine	Yes	
MAGNETOSTIBIAN	Fe, Mn, SbO ₄		No	
MANGANOSTIBNITE		Greasy	No	
MELANOSTIBIAN	(Mn,Fe)6(SbO ₃) ₂ O ₃		No	
MENEGHINITE	Pb ₁₃ CuSb ₇ S ₂₄	Bright Metallic	Poss	
MIARGYRITE	AgSbS ₂	Metallic Adamantine	Yes	
MONIMOLITE	(Pb, Ca) ₃ Sb ₂ O ₈ (?)	Adamantine Greasy	No	
NADORITE	PbSb ₃ +O ₂ Cl	Resinous to Adamantine	No	
NATIVE ANTIMONY	Sb	Metallic	Yes	
PLAGIONITE	Pb ₅ Sb ₈ S ₁₇	Metallic	Poss	
PLUMBOSTANNITE (FRANCKEITE)	Pb ₂ Fe ₂ Sn ₂ Sb ₂ S ₁₁		Yes	



POLYBASITE	$(Ag, Cu)_{16}Sb_2S_{11}$	Metallic	Yes	
PYRRARGYRITE	Ag_3SbS_3	Adamantine	Yes	
RIVOTITE	$Cu Ag Sb CO_3$		No	
ROMEITE	$(Ca, Fe^{2+}, Mn^{2+}, Na)_2(Sb, Ti)_2O_6(O, OH, F)$	Vitreous, Greasy, Subadamantine	No	
SARAWAKITE				
SCHAFARZIKITE	$Fe_5Sb_4O_{11}$		No	
SCHNEEBERGITE	Variation of Romeite			
SEMSEYITE	$Pb_9Sb_8S_{21}$	Metallic, Tarnishes Dull	Poss	
SENARMONTITE	Sb_2O_3	Resinous- Subadamantine	No	- In HSC Thermodynamic DataBase
STEPHANITE	Ag_5SbS_4	Metallic	Yes	
STIBARSEN	$SbAs_3$	Metallic	Yes	
STIBIOFERRITE	$Fe_2O_3.Sb_2O_5.H_2O.SiO_2$	Resinous	No	
STIBIANITE	Variation of Stibnite			
STIBNITE	Sb_2S_3	Metallic	Yes	- In HSC Thermodynamic DataBase
SWEDENBORGITE	$NaBe_4SbO_7$		No	
TAZNITE	Bi, AsO_4, SbO_4		No	
TETRAHEDRITE	$(Cu, Fe, Ag, Zn)_{12}Sb_4S_{13}$	Metallic	Yes	
TRIPUHYITE	$Fe_2Sb_2O_7 ?$		No	
ULLMANITE	$NiSbS$	Metallic	Yes	
VALENTINITE	Sb_2O_3	Adamantine	No	- In HSC Thermodynamic DataBase
WESLIENITE	Variation of Romeite			
ZINKENITE	$Pb_9Sb_{22}S_{42}$	Metallic	Yes	
ARSENIC MINERALS				



ARSENOPYRITE	FeAsS	Metallic		
GERSDORFFITE	NiAsS	Metallic		
ENARGITE	Cu ₃ AsS ₄	Metallic, Dull		
REALGAR	As ₄ S ₄ or AsS	Resinous		
ORPIMENT	As ₂ S ₃	Resinous, Pearly		
ARSENNOLITE	As ₂ O ₃	Vitreous, Silky		
OTHER ASSOCIATED MINERALS				
CHALCOPYRITE	CuFeS ₂	Metallic		
PYRITE	FeS ₂	Metallic, Splendent		
PENTLANDITE	(FeNi) ₉ S ₈	Metallic		
COVELITE	CuS	Submetallic		
PYRRHOTITE	Fe _{1-x} S	Metallic		
GALENA	PbS	Metallic		
SPHALERITE	(Zn, Fe)S	Resinous, Adamantine		
CINNABAR	HgS	Adamantine		
COMMON GANGUE				
QUARTZ	SiO ₂	Vitreous		
DOLOMITE	CaMg(CO ₃) ₂	Vitreous, Pearly		
MAGNESITE	MgCO ₃	Vitreous		
MUSCOVITE	KAl ₂ (Si ₃ Al)O ₁₀ (OH,F) ₂	Vitreous, Pearly, Silky		
CHLORITE	(Mg,Al,FE) ₁₂ (Si,Al) ₈ O ₂ (OH) ₁₆			



TALC	$Mg_3Si_4O_{10}(OH)_2$	Vitreous, Pearly, Dull		
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