

SULFIDE STANDARDS

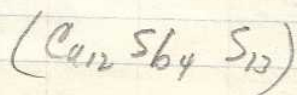
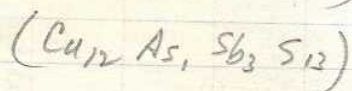
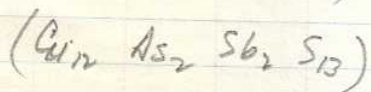
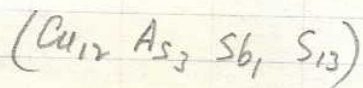
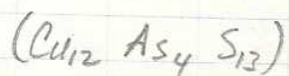
MINERAL	CHEMISTRY	NATURAL	SYNTHETIC	COMMENTS	SOURCE	
Chalcocite	(Cu ₂ S)	BUTTE, MONTANA	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> CHALCOITE Cu 79.86 S 20.14 </div>	Cov.	Cov. 95205	
Covellite	(CuS)	BUTTE, MONTANA		Cu 66.94	Born Cu 63.24	CHAL. 109007
Bornite	(Cu ₅ FeS ₄)	BRISTOL, CONN.		Fe 0.05	Fe 11.20	Born 111064
CHALCOPYRITE	(CuFeS ₂)	CORNWALL, ENGLAND	Cu 23.60	Cu 29.28	HU # 102365	
STANNITE	(Cu ₂ FeSnS ₄)	ORURO, BOLIVIA	Fe 70.92	Fe 13.89	HU # 98692	
ROILITE	(FeS)	CANYON DIABLO	S 34.90	Sn 27.20		
CUBANITE	(CuFe ₂ S ₃)	MINAS GERAIS, BRAZIL	Cu 23.42	S 28.77	HU # 92552	
ALABANDITE	(MnS)	TOMBSTONE, ARIZ.	Fe 41.15		HU # 89167	
Sphalerite	(ZnS)		S 35.47			
Galenite	(PbS)	ROSSIE, N.Y.	Mn 62.07			
Proustite	(Ag ₃ AsS ₃)		S 36.91			
Pyrrhopyrite	(Ag ₃ SbS ₃)					
STIBNITE	(Sb ₂ S ₃)	HERJA, ROMANIA				
Lautite	(CuAsS)	Lauter, Saxony				
ARSENOPYRITE	(FeAsS)	Hohenstein, Saxony				
GUDMUNDITE	(FeSbS)	Gudmundsdorf, Sweden				
Millerite	(NiS)	Seegen, Prussia				
?	(CoS)					
CINNABAR	(HgS)	NEW ALMADEN, CALIFORNIA				
MOLYBDENITE	(MoS ₂)					
TUNGSTEDITE	(WS ₂)					
REALGAR	(AsS)	Elsäbanyya, Roumania				
BISMUTHINITE	(Bi ₂ S ₃)	Ullalagua, Bolivia				
HERZENBERGITE	(Sns)					
CASSITERITE	(SnO ₂)					
ARGENTITE	(Ag ₂ S)	Silverton, Colo.				
GREENOCKITE	(CdS)					
WOLFRAMITE	[(Fe, Mn)WO ₄]					
Scheelite	(CaWO ₄)					

must analyze samples

to be acquired

TETRAHEDRITE $(Cu, Ag)_{10} (Fe, Zn)_2 (As, Sb)_4 S_{13}$

SKINNER SYNTHETICS ARE



need silver analogues, and Zn & Fe-bearing ones

INTERNAL STDs

- ① TETRAHEDRITE
- ② Wolframite & Scheelite
- ③ RUBY SILVER