

APPENDIX 1

Representative results of the EMPA measurements of native silver and Ag-Hg alloys grains, from Kyaukse Sabe Taung copper deposit (in wt. %, upper row) and atomic ratios (lower row)

Analysis	Hg Ma	Ag La	Cu Ka	Fe Ka	Total	Chemical Formula
1	2.50	97.57	0.31	bdl	100.39	(AgCu) ₁₁ Hg _{0.15}
	0.15	10.94	0.06	0.00		
2	6.48	93.81	0.30	bdl	100.59	(AgCu) ₁₁ Hg _{0.41}
	0.41	10.94	0.06	0.00		
3	20.35	78.79	0.39	0.05	99.58	(AgCu) ₁₁ Hg _{1.51}
	1.51	10.91	0.09	0.01		
4	14.98	86.18	0.52	bdl	101.68	(AgCu) ₁₁ Hg _{1.02}
	1.02	10.89	0.11	0.00		
5	9.83	91.20	0.40	bdl	101.44	(AgCu) ₁₁ Hg _{0.63}
	0.63	10.92	0.08	0.00		
6	24.55	73.40	1.61	0.06	99.63	(AgCu) ₁₁ Hg _{1.90}
	1.90	10.61	0.39	0.02		
7	4.32	95.89	0.08	bdl	100.30	(AgCu) ₁₁ Hg _{0.27}
	0.27	10.98	0.02	0.00		
8	23.41	77.28	0.16	bdl	100.85	(AgCu) ₁₁ Hg _{1.78}
	1.78	10.96	0.04	0.00		
9	12.56	87.44	0.76	0.03	100.80	(AgCu) ₁₁ Hg _{0.84}
	0.84	10.84	0.16	0.01		
10	2.15	98.55	0.18	bdl	100.91	(AgCu) ₁₁ Hg _{0.13}
	0.13	10.97	0.03	0.00		
11	7.61	93.34	0.56	bdl	101.51	(AgCu) ₁₁ Hg _{0.48}
	0.48	10.89	0.11	0.00		
12	17.09	81.93	0.24	bdl	99.28	(AgCu) ₁₁ Hg _{1.23}
	1.23	10.95	0.05	0.00		
13	15.44	85.16	0.40	bdl	101.01	(AgCu) ₁₁ Hg _{1.06}
	1.06	10.91	0.09	0.00		
14	14.47	87.11	1.01	0.10	102.69	(AgCu) ₁₁ Hg _{0.96}
	0.96	10.79	0.21	0.02		
15	26.67	73.48	0.95	0.08	101.19	(AgCu) ₁₁ Hg _{2.10}
	2.10	10.76	0.24	0.02		
16	6.79	93.72	1.05	0.07	101.63	(AgCu) ₁₁ Hg _{0.42}
	0.42	10.80	0.20	0.02		
17	13.75	86.89	0.70	0.05	101.40	(AgCu) ₁₁ Hg _{0.92}
	0.92	10.85	0.15	0.01		
18	20.03	80.20	1.62	0.10	101.95	(AgCu) ₁₁ Hg _{1.43}
	1.43	10.64	0.36	0.03		
19	3.22	96.87	1.69	0.14	101.92	(AgCu) ₁₁ Hg _{0.19}
	0.19	10.68	0.32	0.03		
Minimum	2.15	73.40	0.08	bdl	99.28	(Ag Cu) ₁₁ Hg _{0.17}
	0.13	10.61	0.02	0.00		
Maximum	26.69	98.55	1.69	0.14	102.69	(Ag Cu) ₁₁ Hg _{1.55}
	2.10	10.97	0.32	0.03		
Average	12.96	87.31	0.68	0.04	101.00	(Ag Cu) ₁₁ Hg _{0.87}
	0.87	10.86	0.14	0.00		

bdl - below the detection limits. Sb, Pb, Bi, Au and As were measured but not detected.
(Chemical formula calculated on the basis of Ag + Cu = 11 atoms.)