

Representative results of microchemical (EPMA) analyses (in wt.%) of Cu sulphides from Stary Lesieniec

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
mineral	chalcocite								djurleite				digenite/ anilite				covellite			
Cu	81.28	80.87	80.92	80.53	80.83	80.65	80.64	80.74	80.39	80.53	80.57	80.29	80.13	81.21	79.73	79.60	79.59	78.45	68.39	68.00
Bi	0.04	0.05	0.00	0.10	0.05	0.05	0.03	0.10	0.05	0.05	0.09	0.16	0.11	0.10	0.07	0.00	0.11	0.04	0.14	0.12
Ag	0.09	0.09	0.07	0.07	0.09	0.14	0.14	0.10	0.12	0.11	0.13	0.06	0.14	0.11	0.12	0.12	0.16	0.12	0.19	0.15
S	20.52	20.49	20.58	20.50	20.61	20.64	20.73	20.75	20.68	20.78	20.78	20.78	21.13	20.92	21.55	21.73	21.79	21.93	32.51	32.56
Se	0.03	0.14	0.05	0.00	0.00	0.09	0.00	0.01	0.02	0.17	0.00	0.01	0.03	0.17	0.07	0.00	0.05	0.07	0.04	0.00
Σ	101.99	101.64	101.62	101.21	101.59	101.56	101.55	101.72	101.25	101.67	101.57	101.31	101.55	102.51	101.54	101.46	101.71	100.62	101.30	100.83
<i>apfu</i> (basis: analyses 1-8 and 19-20: 1 anion; analyses 9-14: 16 anions; analyses 15-18: 5 anions)																				
Cu	2.00	1.99	1.98	1.98	1.98	1.97	1.96	1.96	31.38	31.19	31.30	31.19	30.60	31.24	9.32	9.24	9.21	9.01	1.06	1.05
Bi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Ag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.00	0.00
S	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	15.99	15.95	16.00	16.00	15.99	15.95	4.99	5.00	5.00	4.99	1.00	1.00
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.01	0.05	0.01	0.00	0.00	0.01	0.00	0.00
Cu/S	2.00	1.99	1.98	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.91	1.96	1.87	1.85	1.84	1.81	1.06	1.05

¹⁾ Zn, Fe, As and Sb were analyzed but not detected