

EPMA analyses of pengite

Point	PbO	SeO2	Cl	H2O	Total
Pb3(SeO3)(OH).Cl3	76.80	12.73	12.20	1.03	102.75
R013-01a	77.16	12.22	12.08	1.03	102.49
R013-01b	77.36	11.99	12.05	1.03	102.43
R013-01c	77.44	12.13	12.10	1.03	102.70
R013-01d	77.87	11.46	12.25	1.03	102.60
R013-01e	75.35	13.75	12.60	1.03	102.73
R013-01h	76.19	13.41	12.04	1.03	102.67
average	76.90	12.49	12.18	1.03	102.60
STDEV	0.94	0.89	0.21		0.12
	Pb	Se	Cl	O	H
Pb3(SeO3)(OH).Cl3	3.00	1.00	3.00	4.00	1.00
R013-01a	3.03	0.97	2.99	3.97	1.00
R013-01b	3.05	0.95	2.99	3.96	1.01
R013-01c	3.04	0.96	2.99	3.96	1.00
R013-01d	3.09	0.91	3.06	3.89	1.01
R013-01e	2.93	1.07	3.08	4.03	0.99
R013-01h	2.95	1.05	2.94	4.07	0.99
average	3.02	0.98	3.01	3.98	1.00
STDEV	0.06	0.06	0.05	0.06	0.01

Machine: Shimadzu-1720

Voltage: 15 kV

Beam Current: 10 nA

Beam size: 5µm

Standards: pure PbSO4, PbSe, PbCl2

