

Project 1

14.11.2022 11:27:30

Project: Project 1
Owner: mittaus
Site: Site of Interest 1

Sample: Sample 1
Type: Default
ID:

Spectrum Label: Spectrum 3

Livetime 60.0 s

Acquisition geometry (degrees):

Tilt = 0.0

Azimuth = 0.0

Elevation = 35.0

Accelerating voltage = 15.00 kV

Total spectrum counts = 38930

Sample data :	Energy (eV)	Resn. (eV)	Area
Strobe :	7.5	47.27	234630

Optimization data : Copper...

	Energy (eV)	Resn. (eV)	Area
Strobe :	.0	49.78	235763
Optimization element :	8038.1	150.94	3163

Sample is polished.

Sample is coated with Chromium - thickness (nm): 15.0, density (g/cm3): 7.19

The element used for optimization was Copper

Detector efficiency : Calculation

Spectrum processing :

No peaks omitted

Processing option : All elements analyzed

Number of iterations = 4

Standard :

C CaCO3 1-kesä-1999 12:00 AM

O SiO2 1-kesä-1999 12:00 AM

Al Al2O3 1-kesä-1999 12:00 AM

Si SiO2 1-kesä-1999 12:00 AM

Ti Ti 1-kesä-1999 12:00 AM

Ge Ge 1-kesä-1999 12:00 AM

Element	App Conc.	Intensity Corn.	Weight%	Weight% Sigma	Atomic%
C K	2.56	0.2549	10.04	1.78	16.84
O K	36.52	0.9186	39.77	1.55	50.09
Al K	15.15	0.9514	15.93	0.47	11.89
Si K	22.28	0.8664	25.71	0.62	18.45
Ti K	3.27	0.8122	4.03	0.41	1.70
Ge L	2.25	0.6021	3.74	0.45	1.04

Totals 99.22