

Project 1

14.11.2022 11:25:34

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

Sample: Sample 1
Type: Default
ID:

Spectrum Label: Spectrum 2

Livetime 60.0 s

Acquisition geometry (degrees):

Tilt = 0.0

Azimuth = 0.0

Elevation = 35.0

Accelerating voltage = 15.00 kV

Total spectrum counts = 47679

Sample data :	Energy (eV)	Resn. (eV)	Area
Strobe :	7.5	47.74	235163

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	2.01	0.2018	9.97	2.20	20.93
O K	11.18	0.8076	13.85	1.23	21.81
Al K	2.94	0.7114	4.14	0.37	3.87
Si K	32.04	0.7975	40.17	0.80	36.04
Ti K	2.77	0.8767	3.16	0.40	1.66
Ge L	34.10	0.7539	45.23	1.06	15.70

Totals 116.52