

Project 1

14.11.2022 11:30:14

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

Sample: Sample 1
Type: Default
ID:

Spectrum Label: Spectrum 4

Livetime 60.0 s

Acquisition geometry (degrees):

Tilt = 0.0

Azimuth = 0.0

Elevation = 35.0

Accelerating voltage = 15.00 kV

Total spectrum counts = 39623

Sample data :	Energy (eV)	Resn. (eV)	Area
Strobe :	7.5	47.68	235285

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

P GaP 1-kesä-1999 12:00 AM

Ti Ti 1-kesä-1999 12:00 AM

Element	App Conc.	Intensity Corn.	Weight%	Weight% Sigma	Atomic%
C K	1.78	0.3018	5.88	1.41	11.31
O K	17.76	0.5657	31.40	2.04	45.32
Al K	14.11	0.9644	14.63	0.45	12.52
Si K	17.60	0.9004	19.54	0.55	16.07
P K	2.43	1.1524	2.11	0.29	1.57
Ti K	23.27	0.8485	27.42	0.85	13.22

Totals 100.98