

# Project 1

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Project: Project 1  
Owner: mittaus  
Site: Site of Interest 6

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 = 35704

Sample data :	Energy (eV)	Resn. (eV)	Area
Strobe :	7.5	46.62	235851

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

Y Y 1-kesä-1999 12:00 AM

Element	App Conc.	Intensity Corrn.	Weight%	Weight% Sigma	Atomic%
C K	1.73	0.2463	7.03	1.41	19.53
O K	18.22	0.7156	25.47	1.45	53.08
Al K	10.56	1.0427	10.13	0.36	12.51
Y L	31.05	0.7827	39.67	1.51	14.88

Totals 82.29