

Project: Project 1  
 Owner: mittaus  
 Site: Site of Interest 7

Sample: Sample 1  
 Type: Default  
 ID:

Spectrum Label: Spectrum 1

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 0.0

Azimuth = 0.0

Elevation = 35.0

Accelerating voltage = 15.00 kV

Total spectrum counts = 41231

|               |             |            |        |
|---------------|-------------|------------|--------|
| Sample data : | Energy (eV) | Resn. (eV) | Area   |
| Strobe :      | 7.5         | 46.73      | 234778 |

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 = 3

Standard :

C CaCO3 1-kesä-1999 12:00 AM

O SiO2 1-kesä-1999 12:00 AM

Si SiO2 1-kesä-1999 12:00 AM

| Element | App<br>Conc. | Intensity<br>Corrn. | Weight% | Weight%<br>Sigma | Atomic% |
|---------|--------------|---------------------|---------|------------------|---------|
| C K     | 0.95         | 0.1377              | 6.87    | 1.92             | 19.20   |
| O K     | 3.53         | 0.6800              | 5.19    | 0.91             | 10.89   |
| Si K    | 67.16        | 1.1484              | 58.47   | 0.77             | 69.92   |

|        |  |  |       |  |  |
|--------|--|--|-------|--|--|
| Totals |  |  | 70.52 |  |  |
|--------|--|--|-------|--|--|