

Spectrum processing :

No peaks omitted

Processing option : Oxygen by stoichiometry

Number of iterations = 1

Standard :

Na Albite 1-Jun-1999 12:00 AM

Mg MgO 1-Jun-1999 12:00 AM

Al Al2O3 1-Jun-1999 12:00 AM

Si SiO2 1-Jun-1999 12:00 AM

S FeS2 1-Jun-1999 12:00 AM

K MAD-10 Feldspar 1-Jun-1999 12:00 AM

Ca Wollastonite 1-Jun-1999 12:00 AM

Cr Cr 1-Jun-1999 12:00 AM

Mn Mn 1-Jun-1999 12:00 AM

Fe Fe 1-Jun-1999 12:00 AM

Ni Ni 1-Jun-1999 12:00 AM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | Weight% | Atomic% | Compd% | Formula |  |
|  |  |  |  |  |  |
| Na K | 0.00 | 0.12 | 0.00 | Na2O |  |
| Mg K | 0.03 | 12.48 | 0.06 | MgO |  |
| Al K | 0.00 | 0.01 | 0.00 | Al2O3 |  |
| Si K | 0.05 | 14.42 | 0.10 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.34 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.23 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.62 | 0.01 | Cr2O3 |  |
| Mn L | 0.03 | 4.30 | 0.03 | MnO |  |
| Fe L | 0.06 | 10.23 | 0.08 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.10 | 57.25 |  |  |  |
| Totals | .28 |  |  |  |  |

Spectrum Label: Spectrum 1

Livetime 39.1 s

Acquisition geometry ( degrees ):

Tilt = 15.0

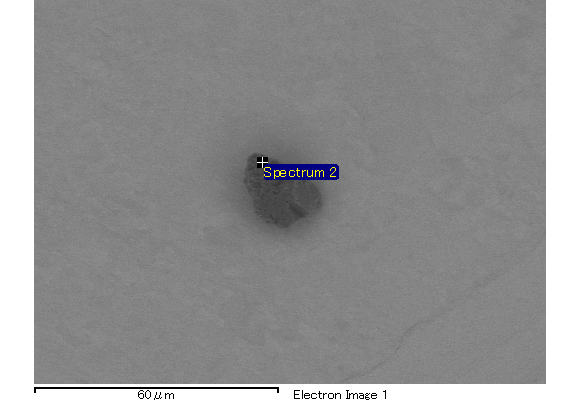
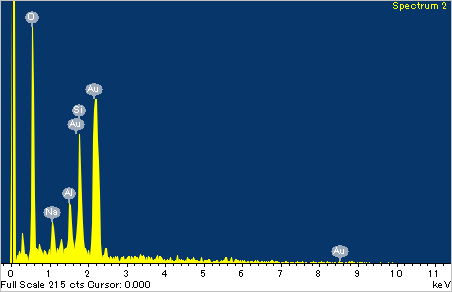
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 22761

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.70 | 392720 |
|  |  |  |  |
| Optimization data : Cobalt K series |  |  |  |
|  | Energy (eV) | Resn. (eV) | Area |
| Strobe : | .0 | 33.07 | 594689 |
| Optimization element : | 6925.1 | 132.84 | 119949 |



Spectrum processing :

No peaks omitted

Processing option : Oxygen by stoichiometry

Number of iterations = 1

Standard :

Na Albite 1-Jun-1999 12:00 AM

Mg MgO 1-Jun-1999 12:00 AM

Al Al2O3 1-Jun-1999 12:00 AM

Si SiO2 1-Jun-1999 12:00 AM

S FeS2 1-Jun-1999 12:00 AM

K MAD-10 Feldspar 1-Jun-1999 12:00 AM

Ca Wollastonite 1-Jun-1999 12:00 AM

Cr Cr 1-Jun-1999 12:00 AM

Mn Mn 1-Jun-1999 12:00 AM

Fe Fe 1-Jun-1999 12:00 AM

Ni Ni 1-Jun-1999 12:00 AM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | Weight% | Atomic% | Compd% | Formula |  |
|  |  |  |  |  |  |
| Na K | 0.02 | 5.13 | 0.02 | Na2O |  |
| Mg K | 0.00 | 1.29 | 0.01 | MgO |  |
| Al K | 0.02 | 6.22 | 0.04 | Al2O3 |  |
| Si K | 0.06 | 16.25 | 0.12 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.75 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.00 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.05 | 6.45 | 0.06 | MnO |  |
| Fe L | 0.04 | 5.71 | 0.05 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.12 | 58.21 |  |  |  |
| Totals | .31 |  |  |  |  |

Spectrum Label: Spectrum 2

Livetime 14.9 s

Acquisition geometry ( degrees ):

Tilt = 15.0

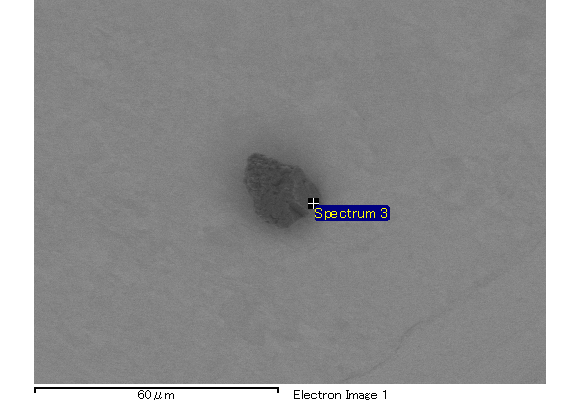
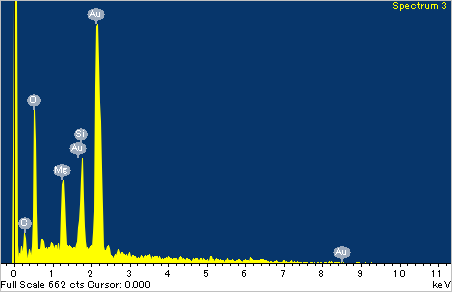
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 9042

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.64 | 149137 |
|  |  |  |  |
| Optimization data : Cobalt K series |  |  |  |
|  | Energy (eV) | Resn. (eV) | Area |
| Strobe : | .0 | 33.07 | 594689 |
| Optimization element : | 6925.1 | 132.84 | 119949 |



Spectrum processing :

No peaks omitted

Processing option : Oxygen by stoichiometry

Number of iterations = 1

Standard :

Na Albite 1-Jun-1999 12:00 AM

Mg MgO 1-Jun-1999 12:00 AM

Al Al2O3 1-Jun-1999 12:00 AM

Si SiO2 1-Jun-1999 12:00 AM

S FeS2 1-Jun-1999 12:00 AM

K MAD-10 Feldspar 1-Jun-1999 12:00 AM

Ca Wollastonite 1-Jun-1999 12:00 AM

Cr Cr 1-Jun-1999 12:00 AM

Mn Mn 1-Jun-1999 12:00 AM

Fe Fe 1-Jun-1999 12:00 AM

Ni Ni 1-Jun-1999 12:00 AM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | Weight% | Atomic% | Compd% | Formula |  |
|  |  |  |  |  |  |
| Na K | 0.00 | 0.00 | 0.00 | Na2O |  |
| Mg K | 0.02 | 14.50 | 0.04 | MgO |  |
| Al K | 0.00 | 0.07 | 0.00 | Al2O3 |  |
| Si K | 0.03 | 18.76 | 0.07 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.07 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.89 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.02 | 6.34 | 0.03 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.06 | 59.38 |  |  |  |
| Totals | .14 |  |  |  |  |

Spectrum Label: Spectrum 3

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 15.0

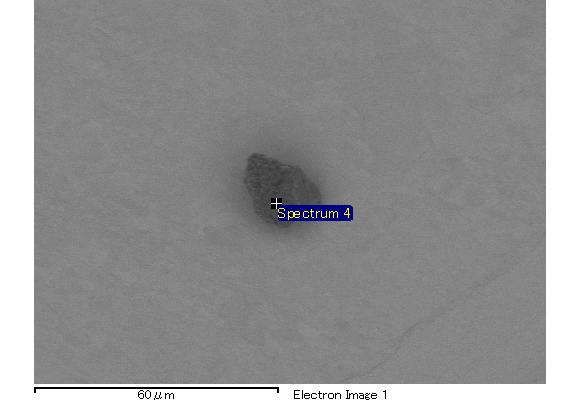
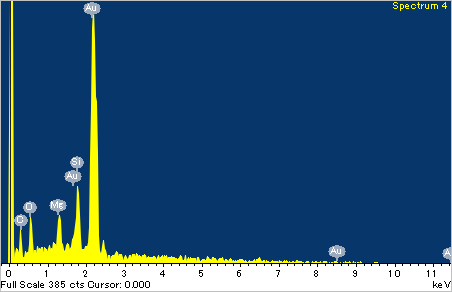
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 34605

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.65 | 600301 |
|  |  |  |  |
| Optimization data : Cobalt K series |  |  |  |
|  | Energy (eV) | Resn. (eV) | Area |
| Strobe : | .0 | 33.07 | 594689 |
| Optimization element : | 6925.1 | 132.84 | 119949 |



Spectrum processing :

No peaks omitted

Processing option : Oxygen by stoichiometry

Number of iterations = 1

Standard :

Na Albite 1-Jun-1999 12:00 AM

Mg MgO 1-Jun-1999 12:00 AM

Al Al2O3 1-Jun-1999 12:00 AM

Si SiO2 1-Jun-1999 12:00 AM

S FeS2 1-Jun-1999 12:00 AM

K MAD-10 Feldspar 1-Jun-1999 12:00 AM

Ca Wollastonite 1-Jun-1999 12:00 AM

Cr Cr 1-Jun-1999 12:00 AM

Mn Mn 1-Jun-1999 12:00 AM

Fe Fe 1-Jun-1999 12:00 AM

Ni Ni 1-Jun-1999 12:00 AM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | Weight% | Atomic% | Compd% | Formula |  |
|  |  |  |  |  |  |
| Na K | 0.00 | 0.00 | 0.00 | Na2O |  |
| Mg K | 0.01 | 8.96 | 0.01 | MgO |  |
| Al K | 0.00 | 2.02 | 0.00 | Al2O3 |  |
| Si K | 0.02 | 16.82 | 0.04 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.00 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.12 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.02 | 6.84 | 0.02 | MnO |  |
| Fe L | 0.01 | 6.33 | 0.02 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.04 | 58.92 |  |  |  |
| Totals | .10 |  |  |  |  |

Spectrum Label: Spectrum 4

Livetime 41.2 s

Acquisition geometry ( degrees ):

Tilt = 15.0

Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 21414

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.68 | 413895 |
|  |  |  |  |
| Optimization data : Cobalt K series |  |  |  |
|  | Energy (eV) | Resn. (eV) | Area |
| Strobe : | .0 | 33.07 | 594689 |
| Optimization element : | 6925.1 | 132.84 | 119949 |