

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 | 0.80 | 0.00 | Na2O |  |
| Mg K | 0.03 | 20.12 | 0.05 | MgO |  |
| Al K | 0.00 | 0.39 | 0.00 | Al2O3 |  |
| Si K | 0.03 | 14.55 | 0.06 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 1.30 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.00 | 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 | 4.39 | 0.02 | FeO |  |
| Ni L | 0.01 | 1.60 | 0.01 | NiO |  |
| O | 0.06 | 56.85 |  |  |  |
| Totals | .14 |  |  |  |  |

Spectrum Label: Spectrum 1

Livetime 21.8 s

Acquisition geometry ( degrees ):

Tilt = 15.0

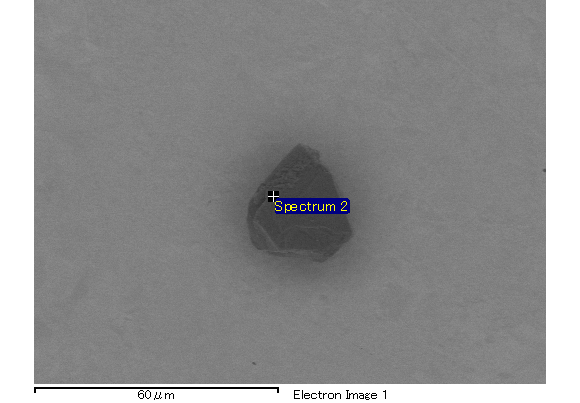
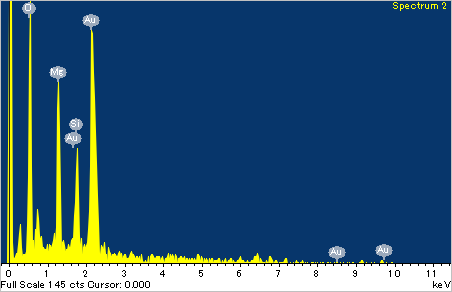
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 12246

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.61 | 218646 |
|  |  |  |  |
| 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 | 0.05 | 18.13 | 0.08 | MgO |  |
| Al K | 0.00 | 0.00 | 0.00 | Al2O3 |  |
| Si K | 0.04 | 11.66 | 0.08 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.00 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.75 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.02 | 3.09 | 0.03 | MnO |  |
| Fe L | 0.07 | 10.51 | 0.09 | FeO |  |
| Ni L | 0.00 | 0.02 | 0.00 | NiO |  |
| O | 0.10 | 55.83 |  |  |  |
| Totals | .28 |  |  |  |  |

Spectrum Label: Spectrum 2

Livetime 14.4 s

Acquisition geometry ( degrees ):

Tilt = 15.0

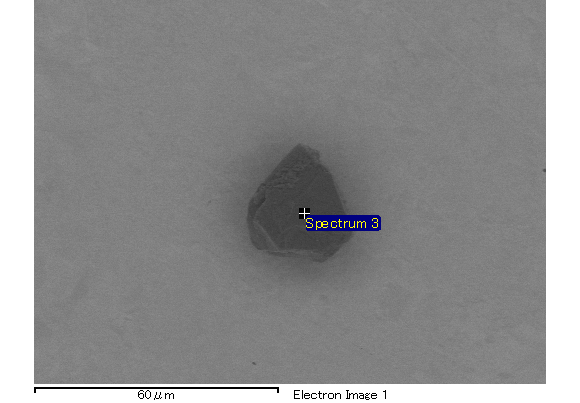
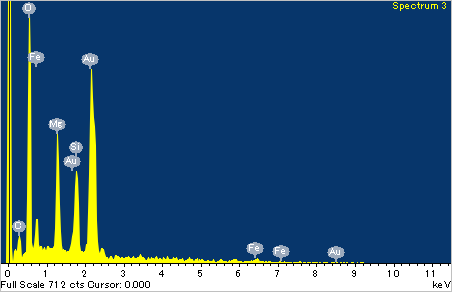
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 8599

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.82 | 144490 |
|  |  |  |  |
| 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 | 0.16 | 0.00 | Na2O |  |
| Mg K | 0.04 | 18.05 | 0.07 | MgO |  |
| Al K | 0.00 | 0.00 | 0.00 | Al2O3 |  |
| Si K | 0.03 | 12.59 | 0.07 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.00 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.00 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.07 | 12.94 | 0.09 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.09 | 56.26 |  |  |  |
| Totals | .23 |  |  |  |  |

Spectrum Label: Spectrum 3

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 15.0

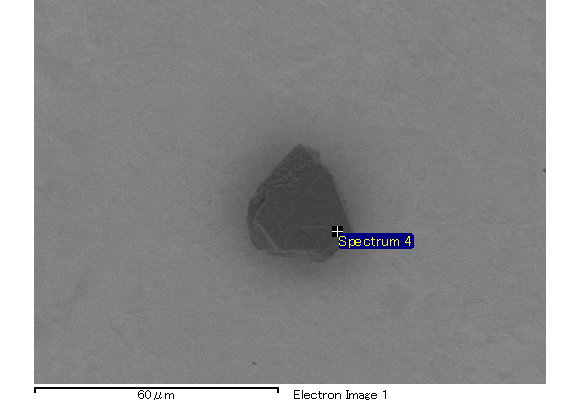
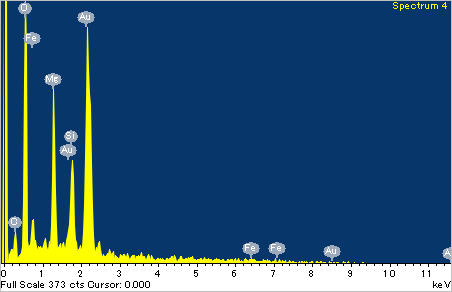
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 35535

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.70 | 600854 |
|  |  |  |  |
| 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 | 1.04 | 0.00 | Na2O |  |
| Mg K | 0.05 | 21.40 | 0.08 | MgO |  |
| Al K | 0.00 | 0.55 | 0.00 | Al2O3 |  |
| Si K | 0.03 | 11.40 | 0.06 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.72 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.47 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.04 | 9.02 | 0.06 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.08 | 55.39 |  |  |  |
| Totals | .21 |  |  |  |  |

Spectrum Label: Spectrum 4

Livetime 37.7 s

Acquisition geometry ( degrees ):

Tilt = 15.0

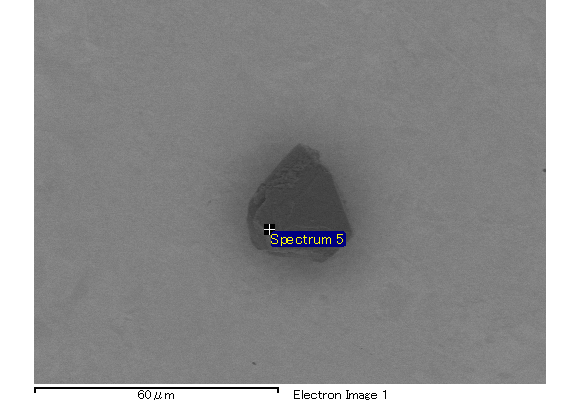
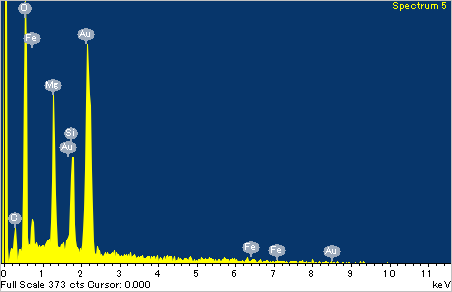
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 22034

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.75 | 376158 |
|  |  |  |  |
| 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 | 0.04 | 18.25 | 0.07 | MgO |  |
| Al K | 0.00 | 0.78 | 0.00 | Al2O3 |  |
| Si K | 0.03 | 12.74 | 0.07 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.20 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.57 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.06 | 10.94 | 0.08 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.09 | 56.51 |  |  |  |
| Totals | .23 |  |  |  |  |

Spectrum Label: Spectrum 5

Livetime 37.6 s

Acquisition geometry ( degrees ):

Tilt = 15.0

Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 22014

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.70 | 378720 |
|  |  |  |  |
| Optimization data : Cobalt K series |  |  |  |
|  | Energy (eV) | Resn. (eV) | Area |
| Strobe : | .0 | 33.07 | 594689 |
| Optimization element : | 6925.1 | 132.84 | 119949 |