

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 | 14.80 | 0.07 | MgO |  |
| Al K | 0.00 | 0.80 | 0.01 | Al2O3 |  |
| Si K | 0.07 | 19.66 | 0.15 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.00 | 0.00 | K2O |  |
| Ca K | 0.01 | 1.01 | 0.01 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.03 | 3.70 | 0.03 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.12 | 60.03 |  |  |  |
| Totals | .26 |  |  |  |  |

Spectrum Label: Spectrum 1

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 0.0

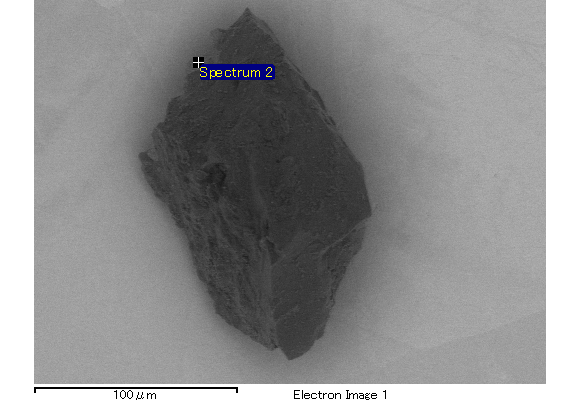
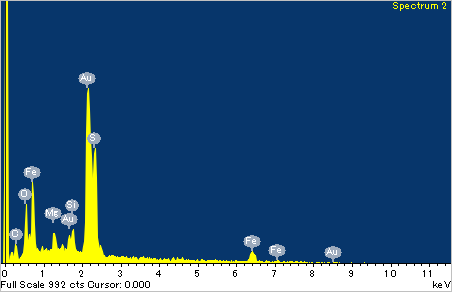
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 36528

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.76 | 600353 |
|  |  |  |  |
| 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 = 2

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 | 0.26 | 0.00 | Na2O |  |
| Mg K | 0.01 | 2.22 | 0.02 | MgO |  |
| Al K | 0.00 | 0.20 | 0.00 | Al2O3 |  |
| Si K | 0.01 | 1.52 | 0.02 | SiO2 |  |
| S K | 0.07 | 10.29 | 0.17 | SO3 |  |
| K K | 0.00 | 0.55 | 0.01 | 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 | 0.28 | 24.05 | 0.36 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.20 | 60.90 |  |  |  |
| Totals | .58 |  |  |  |  |

Spectrum Label: Spectrum 2

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 0.0

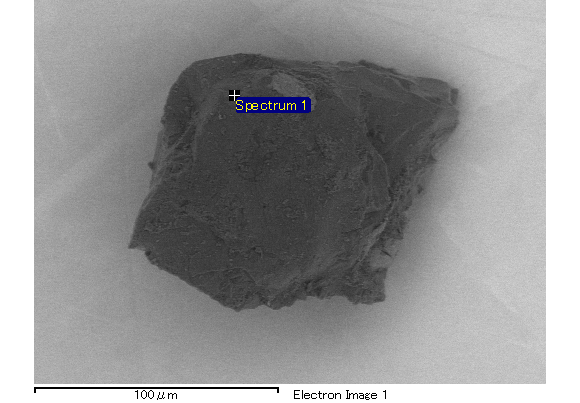
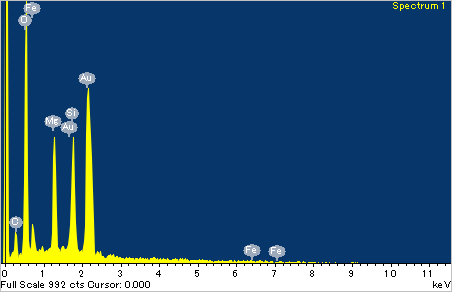
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 38410

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.75 | 599552 |
|  |  |  |  |
| 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 | 0.06 | 14.71 | 0.10 | MgO |  |
| Al K | 0.00 | 0.72 | 0.01 | Al2O3 |  |
| Si K | 0.08 | 15.83 | 0.16 | 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 | 0.10 | 10.64 | 0.13 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.16 | 58.10 |  |  |  |
| Totals | .40 |  |  |  |  |

Spectrum Label: Spectrum 1

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 0.0

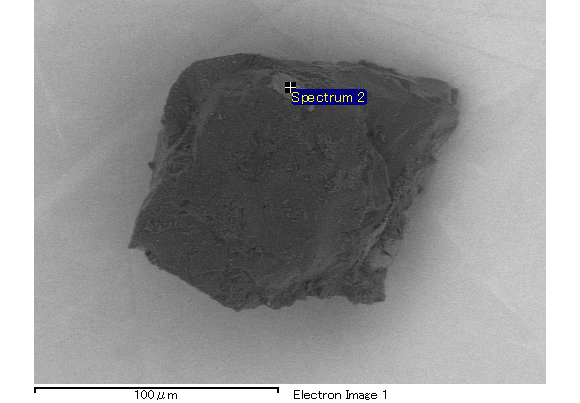
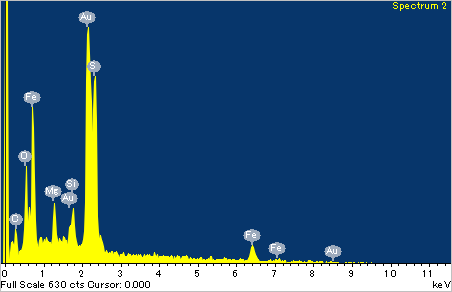
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 40979

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.75 | 600571 |
|  |  |  |  |
| 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 = 2

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 | 0.35 | 0.00 | Na2O |  |
| Mg K | 0.01 | 2.45 | 0.02 | MgO |  |
| Al K | 0.00 | 0.14 | 0.00 | Al2O3 |  |
| Si K | 0.01 | 1.70 | 0.03 | SiO2 |  |
| S K | 0.07 | 9.31 | 0.19 | SO3 |  |
| K K | 0.00 | 0.00 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.05 | 0.00 | CaO |  |
| Cr L | 0.01 | 0.58 | 0.01 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.35 | 25.18 | 0.45 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.24 | 60.25 |  |  |  |
| Totals | .70 |  |  |  |  |

Spectrum Label: Spectrum 2

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 0.0

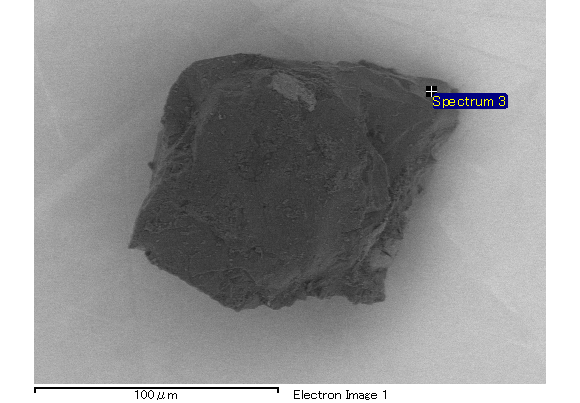
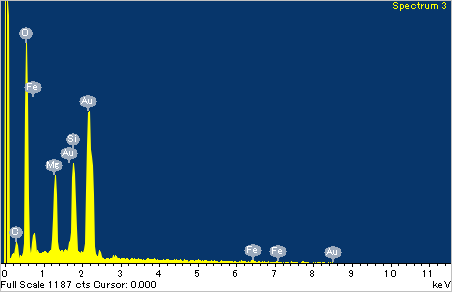
Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 38472

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.75 | 600776 |
|  |  |  |  |
| 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 | 13.51 | 0.08 | MgO |  |
| Al K | 0.00 | 0.08 | 0.00 | Al2O3 |  |
| Si K | 0.07 | 16.84 | 0.15 | SiO2 |  |
| S K | 0.00 | 0.00 | 0.00 | SO3 |  |
| K K | 0.00 | 0.13 | 0.00 | K2O |  |
| Ca K | 0.00 | 0.19 | 0.00 | CaO |  |
| Cr L | 0.00 | 0.00 | 0.00 | Cr2O3 |  |
| Mn L | 0.00 | 0.00 | 0.00 | MnO |  |
| Fe L | 0.09 | 10.84 | 0.12 | FeO |  |
| Ni L | 0.00 | 0.00 | 0.00 | NiO |  |
| O | 0.14 | 58.41 |  |  |  |
| Totals | .35 |  |  |  |  |

Spectrum Label: Spectrum 3

Livetime 60.0 s

Acquisition geometry ( degrees ):

Tilt = 0.0

Azimuth = 0.0

Elevation = 30.0

Accelerating voltage = 10.00 kV

Total spectrum counts = 41056

|  |  |  |  |
| --- | --- | --- | --- |
| Sample data : | Energy (eV) | Resn. (eV) | Area |
| Strobe : | 7.5 | 29.75 | 599607 |
|  |  |  |  |
| Optimization data : Cobalt K series |  |  |  |
|  | Energy (eV) | Resn. (eV) | Area |
| Strobe : | .0 | 33.07 | 594689 |
| Optimization element : | 6925.1 | 132.84 | 119949 |