

Gold Reference Material - High Grade Mine Ore

Art. ID GEO-G314-3
Unit Powder 10g or 1 kg
Deliverydetails No Dangerous Good /not restricted

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|---|-------------------|-------------|---------------------|------|-----------------------------|--------|
| Certified value | Gold (Au) | [7440-57-5] | 0,00067 | % | Fire Assay | |
| Certified value | Gold (Au) | [7440-57-5] | 0,000668 | % | Aqua Regia | |
| Single analysis only - Not certified | Antimony (Sb) | [7440-36-0] | <0,00001 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Arsenic (As) | [7440-38-2] | <0,0001 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Barium (Ba) | [7440-39-3] | 0,028 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Bromine (Br) | [7726-95-6] | 0,00007 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Cadmium (Cd) | [7440-43-9] | <0,0005 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Cerium (Ce) | [7440-45-1] | 0,0024 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Caesium (Cs) | [7440-46-2] | 0,00013 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Chromium (Cr) | [7440-47-3] | 0,014 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Cobalt (Co) | [7440-48-4] | 0,0033 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Europium (Eu) | [7440-53-1] | 0,0002 | % | Neutron activation analyses | |

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|---|-----------------|-------------|-----------|---|-------------------------------------|
| Single analysis only - Not certified | Gold (Au) | [7440-57-5] | 0,00073 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Hafnium (Hf) | [7440-58-6] | 0,0004 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Iridium (Ir) | [7439-88-5] | <0,000005 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Iron (Fe) | [7439-89-6] | 7,2 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Lanthanum (La) | [7439-91-0] | 0,0019 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Lutetium (Lu) | [7439-94-3] | 0,00004 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Molybdenum (Mo) | [7439-98-7] | 0,0024 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Nickel (Ni) | [7440-02-0] | 0,0033 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Rubidium (Rb) | [7440-17-7] | 0,008 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Samarium (Sm) | [7440-19-9] | 0,00051 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Scandium (Sc) | [7440-20-2] | 0,00264 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Selenium (Se) | [7782-49-2] | <0,0005 | % | Neutron ac tivation a nalyzes |
| Single analysis only - | Sodium (Na) | [7440-23-5] | 2,6 | % | Neutron ac |

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|---|--------------------------------|-------------|---------|---|-------------------------------------|
| Not certified | | | | | tivation a nalyzes |
| Single analysis only - Not certified | Tantalum (Ta) | [7440-25-7] | 0,00013 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Terbium (Tb) | [7440-27-9] | 0,00011 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Thorium (Th) | [7440-29-1] | 0,00092 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Tungsten (W) | [7440-33-7] | 0,0001 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Uranium (U) | [7440-61-1] | 0,0006 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Ytterbium (Yb) | [7440-64-4] | 0,0003 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Zinc (Zn) | [7440-66-6] | 0,012 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Silver (Ag) | [7440-22-4] | <0,0002 | % | Neutron ac tivation a nalyzes |
| Indicative value | Iron (Fe) | [7439-89-6] | 6,2 | % | Fusion / X RF |
| Indicative value | SiO ₂ | | 59,75 | % | Fusion / X RF |
| Indicative value | Al ₂ O ₃ | | 14,07 | % | Fusion / X RF |
| Indicative value | TiO ₂ | | 1,36 | % | Fusion / X RF |
| Indicative value | MnO | | 0,13 | % | Fusion / X RF |
| Indicative value | CaO | | 6,47 | % | Fusion / X RF |

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|------------------|--|-------------|-------|---|------------------|
| Indicative value | Phosphorus (P) | [7723-14-0] | 0,075 | % | Fusion / X RF |
| Indicative value | Sulfur (S) | [7704-34-9] | 0,08 | % | Fusion / X RF |
| Indicative value | MgO | [1309-48-4] | 3,83 | % | Fusion / X RF |
| Indicative value | K ₂ O | | 1,72 | % | Fusion / X RF |
| Indicative value | Na ₂ O | | 2,93 | % | Fusion / X RF |
| Indicative value | Loss on Ignition (L.O.I) (1000 °C) | | 0,37 | % | |