

Certified Gold Reference Material (Sulphide ore with minor Copper ex Pilbara region.)

Art. ID GEO-G998-10
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] | 3,05 ± 0,03 | ppm | Fire Assay | |
| Certified value | Gold (Au) | [7440-57-5] | 2,97 ± 0,059 | %p | Aqua Regia | |
| Single analysis only - Not certified | Antimony (Sb) | [7440-36-0] | 0,000924 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Arsenic (As) | [7440-38-2] | 0,0246 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Barium (Ba) | [7440-39-3] | 0,133 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Bromine (Br) | [7726-95-6] | <0,0001 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Cadmium (Cd) | [7440-43-9] | nr | % | Neutron activation analyses | |
| Single analysis only - Not certified | Cerium (Ce) | [7440-45-1] | 0,00544 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Caesium (Cs) | [7440-46-2] | 0,00027 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Chromium (Cr) | [7440-47-3] | 0,0232 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Cobalt (Co) | [7440-48-4] | 0,00481 | % | Neutron activation analyses | |
| Single analysis only - Not certified | Europium (Eu) | [7440-53-1] | 0,00009 | % | Neutron activation analyses | |

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|---|-----------------|-------------|-----------|---|-------------------------------------|
| Single analysis only - Not certified | Gold (Au) | [7440-57-5] | 0,000305 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Hafnium (Hf) | [7440-58-6] | 0,000321 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Iridium (Ir) | [7439-88-5] | <0,000002 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Iron (Fe) | [7439-89-6] | 4,57 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Lanthanum (La) | [7439-91-0] | 0,00256 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Lutetium (Lu) | [7439-94-3] | 0,000026 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Molybdenum (Mo) | [7439-98-7] | <0,0005 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Nickel (Ni) | [7440-02-0] | nr | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Rubidium (Rb) | [7440-17-7] | 0,00694 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Samarium (Sm) | [7440-19-9] | 0,000477 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Scandium (Sc) | [7440-20-2] | 0,00121 | % | 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] | 0,073 | % | Neutron ac |

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| Not certified | | | | | tivation a nalyzes |
| Single analysis only - Not certified | Tantalum (Ta) | [7440-25-7] | <0,0001 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Tellurium (Te) | [13494-80-9] | <0,0005 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Terbium (Tb) | [7440-27-9] | nr | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Thorium (Th) | [7440-29-1] | 0,000934 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Tin (Sn) | [7440-31-5] | nr | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Tungsten (W) | [7440-33-7] | 0,000405 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Uranium (U) | [7440-61-1] | 0,000512 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Ytterbium (Yb) | [7440-64-4] | 0,000175 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Zinc (Zn) | [7440-66-6] | <0,01 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Zirconium (Zr) | [7440-67-7] | <0,05 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Calcium | [7440-70-2] | <1 | % | Neutron ac tivation a nalyzes |
| Single analysis only - Not certified | Potassium (K) | [7440-09-7] | 1,23 | % | Neutron ac tivation a nalyzes |

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| Single analysis only - Not certified | Silver (Ag) | [7440-22-4] | <0,0005 | % | Neutron ac tivation a nalyses |
| Single analysis only - Not certified | Mercury (Hg) | [7439-97-6] | nr | % | Neutron ac tivation a nalyses |
| Single analysis only - Not certified | Neodymium (Nd) | [7440-00-8] | nr | % | Neutron ac tivation a nalyses |
| Single analysis only - Not certified | Strontium (Sr) | [7440-24-6] | nr | % | Neutron ac tivation a nalyses |
| Indicative value | Iron (Fe) | [7439-89-6] | 5 | % | Fusion / X RF |
| Indicative value | SiO ₂ | | 77,58 | % | Fusion / X RF |
| Indicative value | Al ₂ O ₃ | | 6,75 | % | Fusion / X RF |
| Indicative value | TiO ₂ | | 0,4 | % | Fusion / X RF |
| Indicative value | MnO | | 0,08 | % | Fusion / X RF |
| Indicative value | CaO | | 0,55 | % | Fusion / X RF |
| Indicative value | Phosphorus (P) | [7723-14-0] | 0,094 | % | Fusion / X RF |
| Indicative value | Sulfur (S) | [7704-34-9] | 0,81 | % | Fusion / X RF |
| Indicative value | MgO | [1309-48-4] | 0,67 | % | Fusion / X RF |
| Indicative value | K ₂ O | | 1,71 | % | Fusion / X RF |
| Indicative value | Na ₂ O | | 0,1 | % | Fusion / X RF |
| Indicative value | Loss on Ignition (L.O.I) (1000 °C) | | 3,88 | % | Fusion / X RF |