

## Gold Reference Material - Low Sulphide ore ex Eastern Goldfields

Art. ID GEO-G315-1  
Unit each  
Deliverydetails No Dangerous Good /not restricted

| Text/Information                        | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method                              | Source |
|---|-------------------|-------------|---------------------|------|-------------------------------------|--------|
| Certified value                         | Gold (Au)         | [7440-57-5] | 0,000564            | %    | Fire Assay                          |        |
| Certified value                         | Gold (Au)         | [7440-57-5] | 0,000538            | %    | Aqua Regia                          |        |
| Single analysis only -<br>Not certified | Antimony (Sb)     | [7440-36-0] | 0,0015              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Arsenic (As)      | [7440-38-2] | 0,035               | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Barium (Ba)       | [7440-39-3] | 0,028               | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Bromine (Br)      | [7726-95-6] | 0,0000844           | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Cadmium (Cd)      | [7440-43-9] | 0,0015              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Cerium (Ce)       | [7440-45-1] | 0,005               | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Caesium (Cs)      | [7440-46-2] | 0,00071             | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Chromium (Cr)     | [7440-47-3] | 0,036               | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Cobalt (Co)       | [7440-48-4] | 0,01                | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Europium (Eu)     | [7440-53-1] | 0,00006             | %    | Neutron ac<br>tivation a            |        |

|   |                 |             |           |   |                                     |
|---|-----------------|-------------|-----------|---|-------------------------------------|
| Single analysis only -<br>Not certified | Gold (Au)       | [7440-57-5] | 0,000561  | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Hafnium (Hf)    | [7440-58-6] | 0,0005    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Iridium (Ir)    | [7439-88-5] | <0,000005 | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Iron (Fe)       | [7439-89-6] | 13,5      | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Lanthanum (La)  | [7439-91-0] | 0,0019    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Lutetium (Lu)   | [7439-94-3] | 0,00002   | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Molybdenum (Mo) | [7439-98-7] | 0,0017    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Nickel (Ni)     | [7440-02-0] | 0,049     | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Rubidium (Rb)   | [7440-17-7] | 0,02      | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Samarium (Sm)   | [7440-19-9] | 0,00036   | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Scandium (Sc)   | [7440-20-2] | 0,00139   | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Selenium (Se)   | [7782-49-2] | <0,001    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -                  | Sodium (Na)     | [7440-23-5] | 1,38      | % | Neutron ac                          |

|   |                                |             |         |   |                                     |
|---|--------------------------------|-------------|---------|---|-------------------------------------|
| Not certified                           |                                |             |         |   | tivation a<br>nalyzes               |
| Single analysis only -<br>Not certified | Tantalum (Ta)                  | [7440-25-7] | 0,00022 | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Terbium (Tb)                   | [7440-27-9] | 0,00006 | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Thorium (Th)                   | [7440-29-1] | 0,00122 | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Tungsten (W)                   | [7440-33-7] | 0,0014  | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Uranium (U)                    | [7440-61-1] | 0,00041 | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Ytterbium (Yb)                 | [7440-64-4] | <0,0002 | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Zinc (Zn)                      | [7440-66-6] | 0,417   | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Silver (Ag)                    | [7440-22-4] | 0,0007  | % | Neutron ac<br>tivation a<br>nalyzes |
| Indicative value                        | Iron (Fe)                      | [7439-89-6] | 13      | % | Fusion / X<br>RF                    |
| Indicative value                        | SiO <sub>2</sub>               |             | 51,28   | % | Fusion / X<br>RF                    |
| Indicative value                        | Al <sub>2</sub> O <sub>3</sub> |             | 12,03   | % | Fusion / X<br>RF                    |
| Indicative value                        | TiO <sub>2</sub>               |             | 0,8     | % | Fusion / X<br>RF                    |
| Indicative value                        | MnO                            |             | 0,11    | % | Fusion / X<br>RF                    |
| Indicative value                        | CaO                            |             | 3,59    | % | Fusion / X<br>RF                    |

|                  |  |             |             |   |                  |
|------------------|--|-------------|-------------|---|------------------|
| Indicative value | Phosphorus (P)                         | [7723-14-0] | 0,055434308 | % | Fusion / X<br>RF |
| Indicative value | Sulfur (S)                             | [7704-34-9] | 2,258710453 | % | Fusion / X<br>RF |
| Indicative value | MgO                                    | [1309-48-4] | 2,52        | % | Fusion / X<br>RF |
| Indicative value | K <sub>2</sub> O                       |             | 1,64        | % | Fusion / X<br>RF |
| Indicative value | Na <sub>2</sub> O                      |             | 1,78        | % | Fusion / X<br>RF |
| Indicative value | Loss on Ignition (L.O.I<br>) (1000 °C) |             | 5,11        | % |                  |