

## **Gold cut-off grade composite**

Art. ID GEO-G921-5  
Unit Powder 10g or 1 kg

| Text/Information                        | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method                              | Source |
|---|-------------------|-------------|---------------------|------|-------------------------------------|--------|
| Certified value                         | Gold (Au)         | [7440-57-5] | 0,54 ± 0,004        | ppm  | Fire Assay                          |        |
| Certified value                         | Gold (Au)         | [7440-57-5] | 0,54 ± 0,008        | ppm  | Aqua Regia                          |        |
| Single analysis only -<br>Not certified | Antimony (Sb)     | [7440-36-0] | <0,00002            | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Arsenic (As)      | [7440-38-2] | <0,00005            | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Barium (Ba)       | [7440-39-3] | 0,033               | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Bromine (Br)      | [7726-95-6] | <0,0002             | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Cadmium (Cd)      | [7440-43-9] | <0,001              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Cerium (Ce)       | [7440-45-1] | 0,0037              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Caesium (Cs)      | [7440-46-2] | 0,0002              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Chromium (Cr)     | [7440-47-3] | 0,0104              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Cobalt (Co)       | [7440-48-4] | 0,0022              | %    | Neutron ac<br>tivation a<br>nalyzes |        |
| Single analysis only -<br>Not certified | Europium (Eu)     | [7440-53-1] | 0,00009             | %    | Neutron ac<br>tivation a<br>nalyzes |        |

|   |                 |             |           |   |                                     |
|---|-----------------|-------------|-----------|---|-------------------------------------|
| Single analysis only -<br>Not certified | Gold (Au)       | [7440-57-5] | 0,000053  | % | 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] | 5,4       | % | 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] | 0,00004   | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Molybdenum (Mo) | [7439-98-7] | <0,001    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Nickel (Ni)     | [7440-02-0] | 0,0027    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Rubidium (Rb)   | [7440-17-7] | 0,0071    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Samarium (Sm)   | [7440-19-9] | 0,00046   | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Scandium (Sc)   | [7440-20-2] | 0,00186   | % | 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 -<br>Not certified | Sodium (Na)     | [7440-23-5] | 2,43      | % | Neutron ac<br>tivation a            |

|   |                |              |         |   |   |
|---|----------------|--------------|---------|---|---|
| Single analysis only -<br>Not certified | Tantalum (Ta)  | [7440-25-7]  | <0,0002 | % | analyses<br>Neutron activation analyses |
| Single analysis only -<br>Not certified | Tellurium (Te) | [13494-80-9] | <0,002  | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Terbium (Tb)   | [7440-27-9]  | 0,0001  | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Thorium (Th)   | [7440-29-1]  | 0,00117 | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Tin (Sn)       | [7440-31-5]  | <0,02   | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Tungsten (W)   | [7440-33-7]  | <0,0002 | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Uranium (U)    | [7440-61-1]  | 0,0007  | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Ytterbium (Yb) | [7440-64-4]  | 0,00028 | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Zinc (Zn)      | [7440-66-6]  | <0,02   | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Zirconium (Zr) | [7440-67-7]  | <0,05   | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Calcium        | [7440-70-2]  | nr      | % | Neutron activation analyses             |
| Single analysis only -<br>Not certified | Potassium (K)  | [7440-09-7]  | nr      | % | Neutron activation analyses             |
| Single analysis only -                  | Silver (Ag)    | [7440-22-4]  | <0,0005 | % | Neutron ac                              |

|   |  |             |       |   |                                     |
|---|--|-------------|-------|---|-------------------------------------|
| Not certified                           |  |             |       |   | tivation a<br>nalyzes               |
| Single analysis only -<br>Not certified | Mercury (Hg)                           | [7439-97-6] | nr    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Neodymium (Nd)                         | [7440-00-8] | nr    | % | Neutron ac<br>tivation a<br>nalyzes |
| Single analysis only -<br>Not certified | Strontium (Sr)                         | [7440-24-6] | nr    | % | Neutron ac<br>tivation a<br>nalyzes |
| Indicative value                        | Iron (Fe)                              | [7439-89-6] | 5,13  | % | Fusion / X<br>RF                    |
| Indicative value                        | SiO <sub>2</sub>                       |             | 62,3  | % | Fusion / X<br>RF                    |
| Indicative value                        | Al <sub>2</sub> O <sub>3</sub>         |             | 14,32 | % | Fusion / X<br>RF                    |
| Indicative value                        | TiO <sub>2</sub>                       |             | 1,07  | % | Fusion / X<br>RF                    |
| Indicative value                        | MnO                                    |             | 0,1   | % | Fusion / X<br>RF                    |
| Indicative value                        | CaO                                    |             | 5,55  | % | Fusion / X<br>RF                    |
| Indicative value                        | Phosphorus (P)                         | [7723-14-0] | 0,054 | % | Fusion / X<br>RF                    |
| Indicative value                        | Sulfur (S)                             | [7704-34-9] | 0,04  | % | Fusion / X<br>RF                    |
| Indicative value                        | MgO                                    | [1309-48-4] | 3,23  | % | Fusion / X<br>RF                    |
| Indicative value                        | K <sub>2</sub> O                       |             | 2,11  | % | Fusion / X<br>RF                    |
| Indicative value                        | Na <sub>2</sub> O                      |             | 3,33  | % | Fusion / X<br>RF                    |
| Indicative value                        | Loss on Ignition (L.O.I<br>) (1000 °C) |             | 0,43  | % | Fusion / X<br>RF                    |