Common Sea

#### **GEOSTATS PTY LTD**

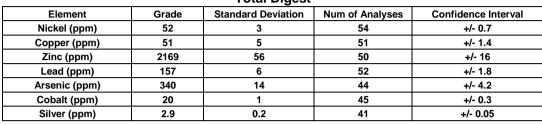
**Mining Industry Consultants Reference Material Manufacture and Sales** 

Certified Geochem Base Metal Reference Material Product Code

## **GBM321-6**

# Certified Control Values

### **Total Digest**



#### **Partial Digest**

| Element       | Grade | Standard Deviation | Num of Analyses | Confidence Interval |
|---------------|-------|--------------------|-----------------|---------------------|
| Nickel (ppm)  | 51    | 3                  | 49              | +/- 0.9             |
| Copper (ppm)  | 49    | 3                  | 60              | +/- 0.7             |
| Zinc (ppm)    | 2135  | 87                 | 57              | +/- 23.2            |
| Lead (ppm)    | 154   | 11                 | 58              | +/- 2.8             |
| Arsenic (ppm) | 331   | 23                 | 54              | +/- 6.3             |
| Cobalt (ppm)  | 19    | 1                  | 52              | +/- 0.4             |
| Silver (ppm)  | 3.0   | 0.3                | 62              | +/- 0.08            |

#### **CRM Details**

|   | Neutron Activation |           | Major Elements by              |             |
|---|--------------------|-----------|--------------------------------|-------------|
| Control Statistic Details   | Analysis Resul     | ts (ppm,  | Fusion / X                     |             |
| Control statistics were produced from results accumulated in the April-2021       | unless otherwi     | se noted) |                                | ` '         |
| round robin. The number of results used to certify each analyte is shown in the   | Antimony           | 12        | Fe                             | 5.62        |
| table above.  | Arsenic            | 350       | SiO <sub>2</sub>               | 57.04       |
|   | Barium             | 243       | Al <sub>2</sub> O <sub>3</sub> | 13.64       |
| Material Description  | Bromine            | <2        | TiO <sub>2</sub>               | 0.61        |
| This material is described as a Fresh rhyolite, Pilbara, WA.                      | Cadmium            | 9.72      | MnO                            | 0.77        |
| ·   | Caesium            | 9         | CaO                            | 3.25        |
|   | Calcium (%)        | nr        | Р                              | 0.054       |
| Colour Designation (ISCC-NBS, SP440)  | Cerium             | 37        | S                              | 3.5         |
| This material is very light gray in colour.                                       | Chromium           | 85        | MgO                            | 1.78        |
|   | Cobalt             | 20        | K <sub>2</sub> O               | 3.17        |
| <u>Usage</u>  | Europium           | 8.0       | Na <sub>2</sub> O              | 0.32        |
| This product is for use in the mining industry as a reference material for        | Gold (ppb)         | 157       | LOI1000                        | 8.51        |
| monitoring and testing the accuracy of laboratory assaying.                       | Hafnium            | <5        |                                |             |
|   | Iridium (ppb)      | <50       | Neutron Act                    | ivation     |
| Preparation and Packaging   | Iron (%)           | 5.7       | Analyses ar                    | d Fusion /  |
| All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry         | Lanthanum          | 19        | XRF Analys                     | es are      |
| material is then pulverised to better than 75 micron (nominal mean of 45          | Lutetium           | 0.2       | single result                  |             |
| micron) using an air classifier. The material is then homogenised and stored in   | Mercury            | nr        | Ŭ                              |             |
| a sealed, stable container ready for final packaging.                             | Molybdenum         | <10       | indicative only. These         |             |
|   | Neodymium          | nr        | are provided                   |             |
| Materials are statistically sampled from stores, then packaged into either heat   | Nickel             | 50        | identification                 | n purposes. |
| sealed, air tight, plastic pulp packets or screw top sealed plastic containers    | Potassium (%)      | nr        |                                |             |
| ready for distribution. All packaging has been chosen to ensure minimal           | Rubidium           | 116       | 'nr': Not Rep                  | orted       |
| contamination from outside sources during shipment, use and storage.              | Samarium           | 3.1       |                                |             |
|   | Scandium           | 11.4      |                                |             |
| Assay Testwork  | Selenium           | <10       |                                |             |
| All standards are tested thoroughly in the Geostats bi-annual laboratory survey.  | Silver             | <5        |                                |             |
| This involves assaying by multiple laboratories from around the world. Results    | Sodium (%)         | 0.23      |                                |             |
| are compiled into a comprehensive report detailing statistics for each standard.  | Strontium          | nr        |                                |             |
| Assay distributions are checked and processed statistically, producing            | Tantalum           | <2        |                                |             |
| monitoring statistics for these standards. Materials are tested regularly to      | Tellurium          | <20       |                                |             |
| ensure stability and homogeneity.   | Terbium            | <1        |                                |             |
|   | Thorium            | 4.64      |                                |             |
| Stability   | Tin                | <200      |                                |             |
| This product remains stable in its original packaging, away from direct sunlight. | Tungsten           | <2        |                                |             |
|   | Uranium            | <2        |                                |             |
| Material Safety   | Ytterbium          | 1.5       |                                |             |
| This product is not hazardous and non-toxic.                                      | Zinc               | 2200      |                                |             |
|   | Zirconium          | <500      | l                              |             |

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