Common Sea

## **GEOSTATS PTY LTD**

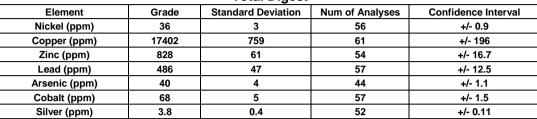
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

# **GBM923-9**

# Certified Control Values

### **Total Digest**



## **Partial Digest**

| Element       | Grade | Standard Deviation | Num of Analyses | Confidence Interval |  |
|---------------|-------|--------------------|-----------------|---------------------|--|
| Nickel (ppm)  | 24    | 4                  | 52              | +/- 1               |  |
| Copper (ppm)  | 17603 | 620                | 72              | +/- 146.8           |  |
| Zinc (ppm)    | 821   | 68                 | 64              | +/- 17.1            |  |
| Lead (ppm)    | 494   | 35                 | 60              | +/- 9.1             |  |
| Arsenic (ppm) | 38    | 2                  | 46              | +/- 0.7             |  |
| Cobalt (ppm)  | 57    | 5                  | 56              | +/- 1.4             |  |
| Silver (ppm)  | 3.8   | 0.3                | 64              | +/- 0.06            |  |

#### **CRM Details**

|   | Neutron Activation<br>Analysis Results (ppm, |           | Major Elements by Fusion / XRF (%) |              |
|---|--|-----------|------------------------------------|--------------|
| Control Statistic Details   |  |           |                                    |              |
| Control statistics were produced from results accumulated in the October-2023     | unless otherwi                               | se noted) |                                    |              |
| round robin. The number of results used to certify each analyte is shown in the   | Antimony                                     | 8.2       | Fe                                 | 6.98         |
| table above.  | Arsenic                                      | 42        | SiO <sub>2</sub>                   | 57.5         |
|   | Barium                                       | 385       | Al <sub>2</sub> O <sub>3</sub>     | 12.86        |
| Material Description  | Bromine                                      | <2        | TiO <sub>2</sub>                   | 1.139        |
| This material is described as a Copper Sulphide ore.                              | Cadmium                                      | 67        | MnO                                | 0.11         |
|   | Caesium                                      | 2         | CaO                                | 6.12         |
|   | Calcium (%)                                  | nr        | Р                                  | 0.062        |
| Colour Designation (ISCC-NBS, SP440)  | Cerium                                       | 35        | S                                  | 1.95         |
| This material is medium light gray in colour.                                     | Chromium                                     | 89        | MgO                                | 3.04         |
|   | Cobalt                                       | 71        | K <sub>2</sub> O                   | 1.85         |
| <u>Usage</u>  | Europium                                     | 1.2       | Na <sub>2</sub> O                  | 2.885        |
| This product is for use in the mining industry as a reference material for        | Gold (ppb)                                   | 2430      | LOI1000                            | 1.67         |
| monitoring and testing the accuracy of laboratory assaying.                       | Hafnium                                      | <5        |                                    |              |
|   | Iridium (ppb)                                | <50       | Neutron Act                        | ivation      |
| Preparation and Packaging   | Iron (%)                                     | 7.2       | Analyses ar                        | d Fusion /   |
| All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry         | Lanthanum                                    | 20        | XRF Analyses are                   |              |
| material is then pulverised to better than 75 micron (nominal mean of 45          | Lutetium                                     | 0.4       | single results and are             |              |
| 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                                   | 19        | indicative only. These             |              |
|   | Neodymium                                    | nr        | are provide                        | d for matrix |
| Materials are statistically sampled from stores, then packaged into either heat   | Nickel                                       | <100      | 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                                     | 103       | 'nr': Not Reported                 |              |
| contamination from outside sources during shipment, use and storage.              | Samarium                                     | 4.5       |                                    |              |
|   | Scandium                                     | 18.5      |                                    |              |
| 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 (%)                                   | 2.1       |                                    |              |
| 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                                      | 11.3      |                                    |              |
| <u>Stability</u>  | Tin  | <200      |                                    |              |
| This product remains stable in its original packaging, away from direct sunlight. | Tungsten                                     | 2         |                                    |              |
|   | Uranium                                      | 6         |                                    |              |
| Material Safety   | Ytterbium                                    | 2.7       |                                    |              |
| This product is not hazardous and non-toxic.                                      | Zinc   | 880       |                                    |              |
|   | Zirconium                                    | <500      |                                    |              |

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