Common Sea

GEOSTATS PTY LTD

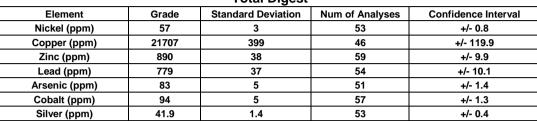
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM920-10

2011020 10

Certified Control Values Total Digest



Partial Digest

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|-----------------|-------|--------------------|-----------------|---------------------|--|--|
| Element | Grade | Standard Deviation | Num of Analyses | Confidence Interval | | |
| Nickel (ppm) | 44 | 4 | 57 | +/- 1 | | |
| Copper (ppm) | 21797 | 738 | 60 | +/- 192.3 | | |
| Zinc (ppm) | 874 | 39 | 60 | +/- 10.2 | | |
| Lead (ppm) | 790 | 30 | 57 | +/- 8 | | |
| Arsenic (ppm) | 81 | 4 | 53 | +/- 1 | | |
| Cobalt (ppm) | 82 | 5 | 55 | +/- 1.3 | | |
| Silver (ppm) | 41.6 | 1.8 | 73 | +/- 0.41 | | |

CRM Details

| | Neutron Activation | | Major Elements by | |
|---|------------------------|-----------|--------------------------------|-------------|
| Control Statistic Details | Analysis Results (ppm, | | Fusion / XRF (%) | |
| Control statistics were produced from results accumulated in the October-2020 | unless otherwi | se noted) | | |
| round robin. The number of results used to certify each analyte is shown in the | Antimony | 13.6 | Fe | 7.29 |
| table above. | Arsenic | 86 | SiO ₂ | 53.21 |
| | Barium | 402 | Al ₂ O ₃ | 13.17 |
| Material Description | Bromine | <2 | TiO ₂ | 1.95 |
| This material is described as a Copper Sulphide ore composite. | Cadmium | <10 | MnO | 0.11 |
| | Caesium | 2 | CaO | 5.46 |
| | Calcium (%) | nr | P | 0.057 |
| Colour Designation (ISCC-NBS, SP440) | Cerium | 39 | S | 2.63 |
| This material is medium light gray in colour. | Chromium | 105 | MgO | 3.16 |
| | Cobalt | 98 | K ₂ O | 1.78 |
| <u>Usage</u> | Europium | 1 | Na ₂ O | 2.97 |
| This product is for use in the mining industry as a reference material for | Gold (ppb) | 2810 | LOI1000 | 3.76 |
| monitoring and testing the accuracy of laboratory assaying. | Hafnium | <5 | | |
| | Iridium (ppb) | <50 | Neutron Act | ivation |
| Preparation and Packaging | Iron (%) | 7.4 | 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 result | |
| micron) using an air classifier. The material is then homogenised and stored in | Mercury | nr | • | |
| a sealed, stable container ready for final packaging. | Molybdenum | 67 | indicative or | - |
| | Neodymium | nr | are provided | for matrix |
| Materials are statistically sampled from stores, then packaged into either heat | Nickel | 61 | 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 | 88 | 'nr': Not Rep | orted |
| contamination from outside sources during shipment, use and storage. | Samarium | 4.3 | | |
| | Scandium | 19.1 | | |
| Assay Testwork | Selenium | <10 | | |
| All standards are tested thoroughly in the Geostats bi-annual laboratory survey. | Silver | 44 | | |
| This involves assaying by multiple laboratories from around the world. Results | Sodium (%) | 2.11 | | |
| are compiled into a comprehensive report detailing statistics for each standard. | Strontium | nr | | |
| Assay distributions are checked and processed statistically, producing | Tantalum | 4 | | |
| monitoring statistics for these standards. Materials are tested regularly to | Tellurium | <20 | | |
| ensure stability and homogeneity. | Terbium | <1 | | |
| | Thorium | 10.7 | | |
| <u>Stability</u> | Tin | <200 | | |
| This product remains stable in its original packaging, away from direct sunlight. | Tungsten | 6 | | |
| | Uranium | 5 | | |
| Material Safety | Ytterbium | 2.5 | | |
| This product is not hazardous and non-toxic. | Zinc | 930 | | |
| | Zirconium | <500 | | |

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