Common Seal

GEOSTATS PTY LTD

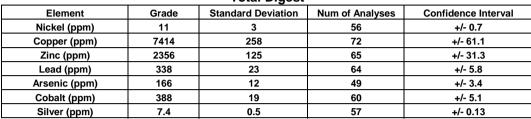
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM317-2

Certified Control Values

Total Digest



Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	11	3	44	+/- 1
Copper (ppm)	7287	316	74	+/- 73.7
Zinc (ppm)	2227	147	62	+/- 37.6
Lead (ppm)	338	27	59	+/- 7.2
Arsenic (ppm)	169	11	51	+/- 3.2
Cobalt (ppm)	384	24	49	+/- 6.9
Silver (ppm)	7.6	1.1	68	+/- 0.27

CRM Details

Control Statistic Details Control Statistic Details Control Statistics were produced from results accumulated in the April-2017 round robin. The number of results used to certify each analyte is shown in the table above. Material Description This material is described as a Cu / Zn Sulphide Tailings and Feed Composite ex Western Australia. Colour Designation (ISCC-NBS, SP440) This material is medium dark gray in colour. Cloud Statistic Details Neutron Activation Analysis Results (ppm, unless otherwise noted) Antimony Arsenic 180 SiO2 33.83 Barium 450 Al2O3 4.82 Bromine 42 Cadmium 410 MnO 0.129 Caesium 42 Cacioum (%) 7 Carium 23 Carium 23 Chromium 42 Cobalt 425 K2O 0.208 Europium 1.2 Na2O 0.15 Coll (ppb) 285 LOI1000 13.4
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Material Description
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Calcium (%) nr P 0.039
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Usage Cobalt 425 K2O 0.208 This product is for use in the mining industry as a reference material for Gold (ppb) 285 LOI1000 13.4
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I monitoring and tecting the accuracy of laboratory accoving
Iridium (ppb) <50 Neutron Activation
Preparation and Packaging Iron (%) 28.8 Analyses and Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry Lanthanum 11 XRF Analyses are
material is then pulverised to better than 75 micron (nominal mean of 45 micron) Lutetium 0.4 single results and are
Lusing an air classifier. The material is then homogenised and stored in a sealed. IMercury Lini Lini Lini Lini
stable container ready for final packaging. Molybdenum <10 indicative only. These
Neodymium nr are provided for matrix
Materials are statistically sampled from stores, then packaged into either heat Nickel <20 identification purposes.
sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready Potassium (%) nr
for distribution. All packaging has been chosen to ensure minimal contamination Rubidium <50 'nr': Not Reported
from outside sources during shipment, use and storage. Samarium 2.7
Scandium 6.9
Assay Testwork Selenium 17
All standards are tested thoroughly in the Geostats bi-annual laboratory survey. Silver 7
This involves assaying by multiple laboratories from around the world. Results Sodium (%) 0.12
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 ensure Tellurium <20
stability and homogeneity.
Thorium 1.8
Stability Tin <200
This product remains stable in its original packaging, away from direct sunlight. Tungsten 5
Uranium <1
Material Safety Ytterbium 1.3
This product is not hazardous and non-toxic.
Zirconium <500
Zaconium <500

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