

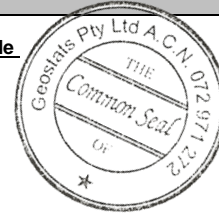
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM915-8

Certified Control Values



Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	4256	181	128	+/- 31.8
Copper (ppm)	5906	198	143	+/- 32.8
Zinc (ppm)	24	6	111	+/- 1.1
Lead (ppm)	41	8	120	+/- 1.4
Arsenic (ppm)	1849	84	107	+/- 16.1
Cobalt (ppm)	1082	54	123	+/- 9.7
Silver (ppm)	6.5	0.5	119	+/- 0.1

Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	4241	210	104	+/- 41.1
Copper (ppm)	5867	279	144	+/- 46.2
Zinc (ppm)	16	5	46	+/- 1.6
Lead (ppm)	36	8	108	+/- 1.6
Arsenic (ppm)	1679	107	115	+/- 19.8
Cobalt (ppm)	1071	77	110	+/- 14.6
Silver (ppm)	6.6	1.1	136	+/- 0.19

CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)	Major Elements by Fusion / XRF (%)
<p>Control Statistic Details Control statistics were produced from results accumulated in the October-2015 & April-2017 round robins. The number of results used to certify each analyte is shown in the table above.</p> <p>Material Description This material is described as a Blend of nickel filtercake and coffee rock.</p> <p>Colour Designation (ISCC-NBS, SP440) This material is light brown in colour.</p> <p>Usage This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.</p> <p>Preparation and Packaging All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.</p> <p>Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.</p> <p>Assay Testwork All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.</p> <p>Stability This product remains stable in its original packaging, away from direct sunlight.</p> <p>Material Safety This product is not hazardous and non-toxic.</p>	<p>Antimony 11.85 Arsenic 1875 Barium <50 Bromine 5 Cadmium <10 Caesium <1 Calcium (%) nr Cerium 27.15 Chromium 126 Cobalt 1160 Europium <0.5 Gold (ppb) 397 Hafnium 12.5 Iridium (ppb) 212.5 Iron (%) 19.65 Lanthanum 5.5 Lutetium 0.155 Mercury nr Molybdenum <10 Neodymium nr Nickel 4270 Potassium (%) nr Rubidium <20 Samarium 0.4 Scandium 19.65 Selenium 24.5 Silver 6 Sodium (%) 0.11 Strontium nr Tantalum 3 Tellurium <20 Terbium <1 Thorium 82.15 Tin <200 Tungsten <5 Uranium 9.5 Ytterbium <0.6 Zinc <100 Zirconium <500</p>	<p>Fe 18.566 SiO₂ 12.95 Al₂O₃ 35.3 TiO₂ 2.03 MnO 0.06 CaO 0.1 P 0.016 S 0.753 MgO 0.08 K₂O 0.121 Na₂O nr LOI1000 20.57</p> <p>Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.</p> <p>'nr': Not Reported</p>

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Geostats Pty Ltd, Certified Geochem Base Metal Reference Material, Product Code: