

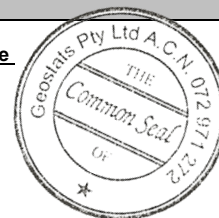
# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## GBM315-2

Certified Control Values



GBM315-2

### Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	16741	767	62	+/- 196.5
Copper (ppm)	55	7	67	+/- 1.7
Zinc (ppm)	232	23	71	+/- 5.4
Lead (ppm)	26	4	60	+/- 1.1
Arsenic (ppm)	4	3	27	+/- 1
Cobalt (ppm)	2221	133	71	+/- 31.7
Silver (ppm)	0.3	0.2	17	+/- 0.13

### Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	16449	1129	46	+/- 339
Copper (ppm)	53	6	66	+/- 1.4
Zinc (ppm)	203	25	69	+/- 5.9
Lead (ppm)	26	8	63	+/- 1.9
Arsenic (ppm)	2	1	23	+/- 0.3
Cobalt (ppm)	2181	169	63	+/- 43
Silver (ppm)	0.4	0.3	30	+/- 0.12

### CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)	Major Elements by Fusion / XRF (%)	
		Element	Value
<p>Control statistics were produced from results accumulated in the April-2015 round robin. The number of results used to certify each analyte is shown in the table above.</p>	Antimony 0.4	Fe	20.524
<p><b>Material Description</b> This material is described as a Laterite Nickel ore Eastern Goldfields - This material also certified for partial digests.</p>	Arsenic 2	SiO <sub>2</sub>	46.31
	Barium 180	Al <sub>2</sub> O <sub>3</sub>	3.44
<p><b>Colour Designation (ISCC-NBS, SP440)</b> This material is moderate brown in colour.</p>	Bromine 2.52	TiO <sub>2</sub>	0.15
	Cadmium <5	MnO	0.49
<p><b>Usage</b> This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.</p>	Caesium <0.5	CaO	0.76
	Calcium (%) nr	P	0.007
<p><b>Preparation and Packaging</b> 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.  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>	Cerium 15	S	0.469
	Chromium 9000	MgO	5.24
<p><b>Assay Testwork</b> 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>	Cobalt 2250	K <sub>2</sub> O	0.068
	Europium 0.6	Na <sub>2</sub> O	0.2
<p><b>Stability</b> This product remains stable in its original packaging, away from direct sunlight.</p>	Gold (ppb) 12	LOI1000	9.54
	Hafnium <1	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
<p><b>Material Safety</b> This product is not hazardous and non-toxic.</p>	Iridium (ppb) <50	'nr': Not Reported	
	Iron (%) 19.9		
	Lanthanum 9		
	Lutetium <0.2		
	Mercury nr		
	Molybdenum <2		
	Neodymium nr		
	Nickel 17000		
	Potassium (%) nr		
	Rubidium <10		
	Samarium 1.9		
	Scandium 19.9		
	Selenium <10		
	Silver <2		
	Sodium (%) 0.171		
	Strontium nr		
	Tantalum <0.1		
	Tellurium nr		
	Terbium <0.5		
	Thorium 0.6		
	Tin nr		
	Tungsten <2		
	Uranium <0.5		
	Ytterbium <2		
	Zinc 210		
	Zirconium nr		

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