

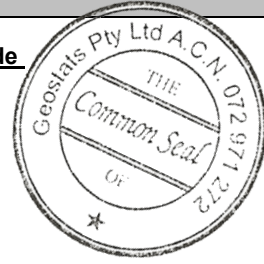
# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

## GBM325-13

Certified Control Values



GBM325-13

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

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	64	12	178	+/- 2
Copper (ppm)	34343	1305	364	+/- 135
Zinc (ppm)	15259	611	323	+/- 67
Lead (ppm)	4701	210	317	+/- 23
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	51.1	3.5	342	+/- 0.37
Sulphur (%)	4.90	0.19	290	+/- 0.02

### CRM Details

<u>Control Statistic Details</u> Control statistics were produced from results accumulated in the April-2014, October-2002, April-2025 round robins. The number of results used to certify each analyte is shown in the table above.	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
		Antimony	59.1	Fe
	Arsenic	284	SiO <sub>2</sub>	44.48
	Barium	201	Al <sub>2</sub> O <sub>3</sub>	12.19
	Bromine	<2	TiO <sub>2</sub>	1.69
	Cadmium	36	MnO	0.18
	Caesium	<2	CaO	7.97
	Calcium (%)	nr	P	0.086
	Cerium	33	S	4.806
	Chromium	157	MgO	4.69
	Cobalt	144	K <sub>2</sub> O	0.402
	Europium	1.5	Na <sub>2</sub> O	2.46
	Gold (ppb)	31099	LOI1000	2.72
	Hafnium	<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iridium (ppb)	<50		
	Iron (%)	11.1	'nr': Not Reported	
	Lanthanum	17		
	Lutetium	0.4		
	Mercury	nr		
	Molybdenum	124		
	Neodymium	nr		
	Nickel	<100		
	Potassium (%)	nr		
	Rubidium	<20		
	Samarium	5.1		
	Scandium	29.2		
	Selenium	<10		
	Silver	53		
	Sodium (%)	1.67		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	<20		
	Terbium	<1		
	Thorium	2.6		
	Tin	<200		
	Tungsten	50		
	Uranium	<1		
	Ytterbium	2.6		
	Zinc	16000		
	Zirconium	<500		

#### Control Statistic Details

Control statistics were produced from results accumulated in the April-2014, October-2002, April-2025 round robins. The number of results used to certify each analyte is shown in the table above.

#### Material Description

This material is described as a Composite Base Metal Silver - not suitable for AR.

#### Colour Designation (ISCC-NBS, SP440)

This material is grayish black in colour.

#### Usage

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

#### 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.

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.

#### 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.

#### Stability

This product remains stable in its original packaging, away from direct sunlight.

#### Material Safety

This product is not hazardous and non-toxic.

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