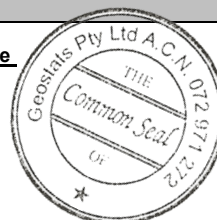


# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## GBM325-3



### Certified Control Values

#### Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	248	12	62	+/- 3.2
Copper (ppm)	16928	578	64	+/- 145.6
Zinc (ppm)	106	5	55	+/- 1.4
Lead (ppm)	42	5	56	+/- 1.4
Arsenic (ppm)	1458	118	58	+/- 31.2
Cobalt (ppm)	543	17	59	+/- 4.5
Silver (ppm)	6.0	0.5	59	+/- 0.14

#### Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	242	14	51	+/- 3.9
Copper (ppm)	16927	830	71	+/- 197.9
Zinc (ppm)	101	8	54	+/- 2.2
Lead (ppm)	40	6	57	+/- 1.7
Arsenic (ppm)	1467	86	56	+/- 23.3
Cobalt (ppm)	530	26	51	+/- 7.4
Silver (ppm)	6.0	0.6	70	+/- 0.15

### CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)		Major Elements by Fusion / XRF (%)	
	Control statistics were produced from results accumulated in the April-2025 round robin. The number of results used to certify each analyte is shown in the table above.	Antimony	0.7	Fe
<b>Material Description</b> This material is described as an Au/Cu filtercake sulphide, Pilbara, Western Australia.	Arsenic	1470	SiO <sub>2</sub>	37.58
	<b>Colour Designation (ISCC-NBS, SP440)</b> This material is pale yellowish brown in colour.	Barium	464	Al <sub>2</sub> O <sub>3</sub>
<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.		Bromine	2	TiO <sub>2</sub>
	<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.	Cadmium	<10	MnO
<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.		Caesium	3	CaO
	<b>Stability</b> This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P
<b>Material Safety</b> This product is not hazardous and non-toxic.		Cerium	58	S
	<b>Neutron Activation Analysis Results (ppm, unless otherwise noted)</b>	Chromium	121	MgO
<b>Major Elements by Fusion / XRF (%)</b>		Cobalt	570	K <sub>2</sub> O
	Antimony	0.7	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	LOH1000
Arsenic		1470		
Barium	464	'nr': Not Reported		
	Bromine			
Cadmium	<10			
	Caesium			
Calcium (%)	nr			
	Cerium			
Chromium	121			
	Cobalt			
Europium	1.3			
	Gold (ppb)			
Hafnium	5			
	Iridium (ppb)			
Iron (%)	20.7			
	Lanthanum			
Lutetium	0.4			
	Mercury			
Molybdenum	<10			
	Neodymium			
Nickel	260			
	Potassium (%)			
Rubidium	83			
	Samarium			
Scandium	8.2			
	Selenium			
Silver	7			
	Sodium (%)			
Strontium	nr			
	Tantalum			
Tellurium	<20			
	Terbium			
Thorium	20.1			
	Tin			
Tungsten	17			
	Uranium			
Ytterbium	2.6			
	Zinc			
Zirconium	<500			

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