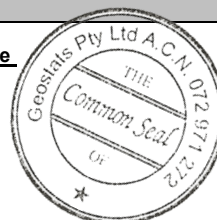


GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM325-9



Certified Control Values

Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	1767	85	63	+/- 21.5
Copper (ppm)	196	8	61	+/- 2.1
Zinc (ppm)	64	6	59	+/- 1.6
Lead (ppm)	8	2	51	+/- 0.6
Arsenic (ppm)	70	3	49	+/- 0.9
Cobalt (ppm)	56	3	62	+/- 0.8
Silver (ppm)	0.2	nr	nr	nr

Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	1795	101	54	+/- 27.9
Copper (ppm)	195	11	75	+/- 2.5
Zinc (ppm)	32	4	51	+/- 1.1
Lead (ppm)	4	2	39	+/- 0.7
Arsenic (ppm)	69	4	52	+/- 1.2
Cobalt (ppm)	45	4	55	+/- 1.2
Silver (ppm)	0.2	nr	nr	nr

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	0.9	Fe
Material Description This material is described as an Ultramafic/mafic wastes.	Arsenic	69	SiO ₂	67.01
	Colour Designation (ISCC-NBS, SP440) This material is light gray in colour.	Barium	<100	Al ₂ O ₃
Usage 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 ₂
	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.	Cadmium	<10	MnO
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.		Caesium	28	CaO
	Stability This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P
Material Safety This product is not hazardous and non-toxic.		Cerium	13	S
	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	Chromium	113	MgO
'nr': Not Reported		Cobalt	60	K ₂ O
	Europium	1.2	Na ₂ O	2.11
Iridium (ppb)	Gold (ppb)	<10	LOH1000	0.54
	Hafnium	<5		
Lanthanum	Lutetium	0.2		
	Mercury	nr		
Molybdenum	Neodymium	nr		
	Nickel	1900		
Potassium (%)	Potassium (%)	nr		
	Rubidium	704		
Samarium	Samarium	2.8		
	Scandium	17.3		
Selenium	Scandium	<10		
	Silver	<5		
Sodium (%)	Selenium	<10		
	Silver	<5		
Strontium	Sodium (%)	1.44		
	Strontium	nr		
Tantalum	Tantalum	<2		
	Tellurium	<20		
Terbium	Tellurium	<20		
	Terbium	<1		
Thorium	Terbium	<1		
	Thorium	0.8		
Tin	Thorium	0.8		
	Tin	<200		
Tungsten	Tin	<200		
	Tungsten	<2		
Uranium	Tungsten	<2		
	Uranium	<1		
Ytterbium	Uranium	<1		
	Ytterbium	1.6		
Zinc	Zinc	<200		
	Zirconium	<500		

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