

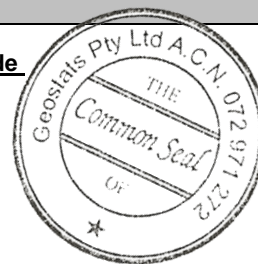
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM323-14

Certified Control Values



Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	47118	2583	174	+/- 388
Copper (ppm)	61400	2382	229	+/- 311
Zinc (ppm)	98	14	155	+/- 2
Lead (ppm)	317	37	195	+/- 5
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	66.5	3.4	209	+/- 0.46
Sulphur (%)	7.33	0.39	185	+/- 0.06

CRM Details

<u>Control Statistic Details</u>		<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
Control statistics were produced from results accumulated in the April-2023, October-2017 round robins. The number of results used to certify each analyte is shown in the table above.		Antimony	135	Fe	34.18
		Arsenic	20700	SiO ₂	1.03
		Barium	<100	Al ₂ O ₃	0.26
		Bromine	<2	TiO ₂	0.097
		Cadmium	<31.4	MnO	0.295
		Caesium	<2	CaO	0.271
		Calcium (%)	nr	P	0.03
		Cerium	<32	S	7.42
		Chromium	<111	MgO	0.247
		Cobalt	13000	K ₂ O	0.02
		Europium	<3.4	Na ₂ O	0.14
		Gold (ppb)	4300	LOI1000	25.87
		Hafnium	<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes. 'nr': Not Reported	
		Iridium (ppb)	2060		
		Iron (%)	40.7		
		Lanthanum	<2		
		Lutetium	<0.4		
		Mercury	nr		
		Molybdenum	<10		
		Neodymium	nr		
		Nickel	48600		
		Potassium (%)	nr		
		Rubidium	<55		
		Samarium	0.6		
		Scandium	4.8		
		Selenium	339		
		Silver	68		
		Sodium (%)	<0.165		
		Strontium	nr		
		Tantalum	<2		
		Tellurium	156		
		Terbium	<1		
		Thorium	<1.5		
		Tin	<566		
		Tungsten	<9		
		Uranium	<1		
		Ytterbium	<3.9		
		Zinc	<200		
		Zirconium	<1240		
<u>Material Description</u>					
This material is described as a Nickel filtercake concentrate.					
<u>Colour Designation (ISCC-NBS, SP440)</u>					
This material is moderate brown in colour.					
<u>Usage</u>					
This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.					
<u>Preparation and Packaging</u>					
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.					
<u>Assay Testwork</u>					
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.					
<u>Stability</u>					
This product remains stable in its original packaging, away from direct sunlight.					
<u>Material Safety</u>					
This product is not hazardous and non-toxic.					

20 Hines Road, O'Connor, Western Australia 6163
Phone: +61 8 9314 2566 | Email: info@geostats.com.au
Website: www.geostats.com.au

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