

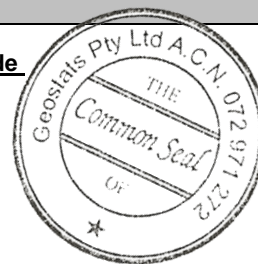
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM322-16

Certified Control Values



Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	19123	1117	89	+/- 237
Copper (ppm)	4657	208	115	+/- 39
Zinc (ppm)	1268	86	98	+/- 17
Lead (ppm)	53	9	72	+/- 2
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	52.9	2.5	104	+/- 0.49
Sulphur (%)	6.87	0.38	96	+/- 0.08

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-2022, October-2018 round robins. The number of results used to certify each analyte is shown in the table above.		Antimony	2.5	Fe	5.972		
		Arsenic	47.9	SiO ₂	21.15		
		Barium	129	Al ₂ O ₃	2.35		
		Bromine	9	TiO ₂	0.16		
		Cadmium	<10	MnO	0.12		
		Caesium	<2	CaO	17.8		
		Calcium (%)	nr	P	0.033		
		Cerium	17	S	7.048		
		Chromium	3020	MgO	13.6		
		Cobalt	1120	K ₂ O	0.137		
		Europium	<0.5	Na ₂ O	0.96		
		Gold (ppb)	814	LOI1000	14.6		
		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)	1170				
		Iron (%)	6.1				
		Lanthanum	4				
		Lutetium	0.5				
		Mercury	nr				
		Molybdenum	<10				
		Neodymium	nr				
		Nickel	19600				
		Potassium (%)	nr				
		Rubidium	<20				
		Samarium	0.6				
		Scandium	9.5				
		Selenium	<10				
		Silver	54				
		Sodium (%)	0.76				
		Strontium	nr				
		Tantalum	<2				
		Tellurium	<20				
		Terbium	<1				
		Thorium	2.4				
		Tin	376				
		Tungsten	<2				
		Uranium	2				
		Ytterbium	<0.5				
		Zinc	1250				
		Zirconium	<500				
<u>Material Description</u> This material is described as a Composite nickel, sulphide.							
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is very pale orange 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.							

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