

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM907-16

Certified Control Values

Ore Grade Base Metal Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Nickel (ppm)	11511	727	46	+/- 218
Copper (ppm)	163	24	19	+/- 12
Zinc (ppm)	674	59	22	+/- 27
Lead (ppm)	105	21	17	+/- 11
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	nr	nr	nr	nr
Sulphur (%)	0.8	0.1	34	+/- 0.02

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the :

October-2007 Geostats Pty Ltd Laboratory Round Robin Program.
17 laboratories (at least) tested this material for base metal content.

Source Material

Prior to homogenisation and testing, this material was sourced from Laterite Nickel Ore

Colour Designation

Moderate yellowish brown

Usage

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

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. 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.

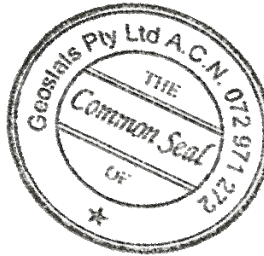
Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world using a variety of methods (including AR, 3AD, 4AD and ICP, AAS and XRF). 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.

Neutron Activation Analysis Results (ppm)

Element	Concentration (ppm)	Major Elements Fusion / XRF (%)
Antimony	0.5	Fe nr
Arsenic	16	SiO2 nr
Barium	92	Al2O3 nr
Bromine	33	TiO2 nr
Cadmium	<5	MnO nr
Cerium	7	CaO nr
Caesium	<0.5	P nr
Chromium	10800	S nr
Cobalt	330	MgO nr
Europium	<1	K2O nr
Gold ppb	13	Na2O nr
Hafnium	<1	LOI1000 nr
Iridium ppb	<50	
Iron %	29.2	
Lanthanum	11	
Lutetium	0.2	
Molybdenum	7	
Nickel	11100	
Rubidium	14	
Samarium	1.6	
Scandium	31.5	
Selenium	<5	
Sodium %	0.31	
Tantalum	<0.5	
Tellurium	<10	
Terbium	<0.5	
Thorium	1.1	
Tin	<100	
Tungsten	8	
Uranium	3.5	
Ytterbium	<2	
Zinc	550	
Zirconium	<200	
Calcium%	nr	
Potassium %	nr	
Silver	<2	
Mercury	nr	
Neodymium	nr	
Strontium	nr	



10A Marsh Close, O'Connor, Western Australia 6163

Phone : +61 8 9314 2566, Fax : +61 8 9314 3699

e-mail : pjh@geostats.com.au, srr@geostats.com.au

Website <http://www.geostats.com.au>

GBM907-16

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