

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Base Metal Reference Material Product Code

GBM398-1

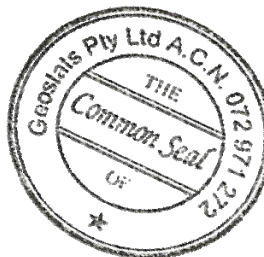
Certified Control Values

Base Metal Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Nickel (ppm)	9436	411	165	+/- 63.3
Copper (ppm)	14823	608	206	+/- 83.7
Zinc (ppm)	20295	994	190	+/- 142.6
Lead (ppm)	26669	1360	184	+/- 198.4
Arsenic (ppm)	7	3	85	+/- 0.7
Cobalt (ppm)	24	3	153	+/- 0.5
Silver (ppm)	5.1	0.7	176	+/- 0.1

CRM Details

Control Statistic Details	Neutron Activation		Major Elements	
	Analysis Results (ppm)		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the : <u>April-2008</u> Geostats Pty Ltd Laboratory Round Robin Program. <u>85</u> laboratories (at least) tested this material for base metal content.	Antimony	5.84	Fe	nr
	Arsenic	5.575	SiO ₂	nr
	Barium	<50	Al ₂ O ₃	nr
	Bromine	<0.5	TiO ₂	nr
	Cadmium	8	MnO	nr
	Cerium	10.015	CaO	nr
	Caesium	23.725	P	nr
	Chromium	5010	S	nr
	Cobalt	24.65	MgO	nr
	Europium	0.3	K ₂ O	nr
	Gold ppb	183.25	Na ₂ O	nr
	Hafnium	6.3525	LOI1000	nr
	Iridium ppb	<5		
	Iron %	3.765		
	Lanthanum	2.3		
	Lutetium	0.082		
	Molybdenum	<1		
	Nickel	9600		
	Rubidium	709		
	Samarium	0.8185		
	Scandium	4.2525		
	Selenium	<1.9		
	Sodium %	1.365		
	Tantalum	0.7785		
	Tellurium	<3.7		
	Terbium	<0.35		
	Thorium	0.5		
	Tin	<100		
	Tungsten	1		
	Uranium	0.6		
	Ytterbium	0.539		
	Zinc	20175		
	Zirconium	240		
	Calcium%	1.11		
	Potassium %	2.9		
	Silver	4.8		
	Mercury	nr		
	Neodymium	nr		
	Strontium	nr		



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April-2008 Geostats Pty Ltd Laboratory Round Robin Program.
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Source Material

Prior to homogenisation and testing, this material was sourced from Cu/Pb/Zn cap rock

Colour Designation

Light 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.

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