

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Base Metal Reference Material Product Code

GBM305-9

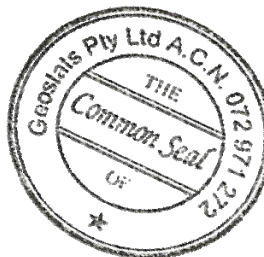
Certified Control Values

Base Metal Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Nickel (ppm)	2551	150	103	+/- 29.4
Copper (ppm)	565	34	117	+/- 6.2
Zinc (ppm)	104	12	116	+/- 2.2
Lead (ppm)	114	11	111	+/- 2.2
Arsenic (ppm)	219	20	96	+/- 4.1
Cobalt (ppm)	47	5	102	+/- 1.1
Silver (ppm)	0.8	0.4	72	+/- 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>72</u> laboratories (at least) tested this material for base metal content.	Antimony	3.085	Fe	nr
	Arsenic	223	SiO ₂	nr
	Barium	120	Al ₂ O ₃	nr
	Bromine	2.15	TiO ₂	nr
	Cadmium	<5	MnO	nr
	Cerium	35.55	CaO	nr
	Caesium	3.92	P	nr
	Chromium	186.5	S	nr
	Cobalt	48.75	MgO	nr
	Europium	0.728	K ₂ O	nr
	Gold ppb	3335	Na ₂ O	nr
	Hafnium	4.98	LOI1000	nr
	Iridium ppb	<50		
	Iron %	6.325		
	Lanthanum	19.85		
	Lutetium	0.169		
	Molybdenum	70.25		
	Nickel	2510		
	Rubidium	130.5		
	Samarium	2.55		
	Scandium	14.5		
	Selenium	<5		
	Sodium %	0.5095		
	Tantalum	1		
	Tellurium	<10		
	Terbium	<0.5		
	Thorium	8.635		
	Tin	<100		
	Tungsten	25		
	Uranium	2.75		
	Ytterbium	0.867		
	Zinc	97.5		
	Zirconium	260		
	Calcium%	nr		
	Potassium %	1		
	Silver	1		
	Mercury	nr		
	Neodymium	12.2		
	Strontium	nr		



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Source Material

Prior to homogenisation and testing, this material was sourced from South West Mineral composite gold ores

Colour Designation

Grayish orange

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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