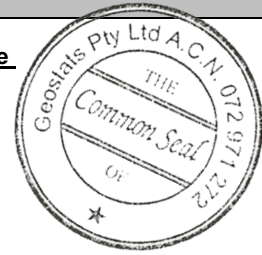


# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

## GBM906-12



Certified Control Values

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	nr	nr	nr	nr
Copper (ppm)	1399	79	52	+/- 22
Zinc (ppm)	52675	2651	47	+/- 787
Lead (ppm)	1346	63	43	+/- 19
Cobalt (ppm)	17	nc	nc	nc
Silver (ppm)	2.1	0.5	35	+/- 0.18
Sulphur (%)	nr	nr	nr	nr

### CRM Details

<u>Control Statistic Details</u> Control statistics were produced from results accumulated in the October-2006 round robin. The number of results used to certify each analyte is shown in the table above.	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
	<u>Material Description</u> This material is described as a Zinc Ore.	Antimony	4.48	Fe
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is medium gray in colour.	Arsenic	58.7	SiO <sub>2</sub>	nr
<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.	Barium	91	Al <sub>2</sub> O <sub>3</sub>	nr
<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.	Bromine	4.66	TiO <sub>2</sub>	nr
<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.	Cadmium	nr	MnO	nr
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Caesium	31.5	CaO	nr
<u>Material Safety</u> This product is not hazardous and non-toxic.	Calcium (%)	nr	P	nr
	Cerium	105	S	nr
	Chromium	49.9	MgO	nr
	Cobalt	21.4	K <sub>2</sub> O	nr
	Europium	2.09	Na <sub>2</sub> O	nr
	Gold (ppb)	582	LOI1000	nr
	Hafnium	2.37		
	Iridium (ppb)	<13.7	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%)	5.93	'nr': Not Reported	
	Lanthanum	63.5		
	Lutetium	0.169		
	Mercury	nr		
	Molybdenum	8.2		
	Neodymium	26.7		
	Nickel	95.8		
	Potassium (%)	nr		
	Rubidium	667		
	Samarium	5.33		
	Scandium	8.51		
	Selenium	<1.5		
	Silver	<2.01		
	Sodium (%)	0.998		
	Strontium	<15.3		
	Tantalum	0.848		
	Tellurium	nr		
	Terbium	0.757		
	Thorium	5.75		
	Tin	<93.4		
	Tungsten	1.58		
	Uranium	5.97		
	Ytterbium	1.99		
	Zinc	50100		
	Zirconium	nr		

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