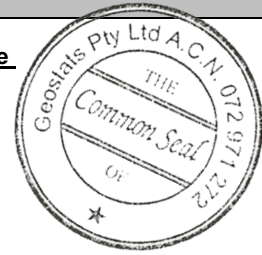


GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM906-14



Certified Control Values

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	nr	nr	nr	nr
Copper (ppm)	11758	460	53	+/- 128
Zinc (ppm)	15949	472	40	+/- 153
Lead (ppm)	405	20	40	+/- 6
Cobalt (ppm)	31	nc	nc	nc
Silver (ppm)	2.9	0.9	39	+/- 0.28
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 Copper / Zinc Ore Sulphide.	Antimony	1.44	Fe
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is medium light gray in colour.	Arsenic	10.5	SiO ₂	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	108	Al ₂ O ₃	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	0.473	TiO ₂	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	48.1	CaO	nr
<u>Material Safety</u> This product is not hazardous and non-toxic.	Calcium (%)	nr	P	nr
	Cerium	18.2	S	nr
	Chromium	56.5	MgO	nr
	Cobalt	38.6	K ₂ O	nr
	Europium	1.15	Na ₂ O	nr
	Gold (ppb)	113	LOI1000	nr
	Hafnium	1.7		
	Iridium (ppb)	24.6	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%)	5.62	'nr': Not Reported	
	Lanthanum	10.3		
	Lutetium	0.117		
	Mercury	nr		
	Molybdenum	92.5		
	Neodymium	20.5		
	Nickel	59.4		
	Potassium (%)	nr		
	Rubidium	1090		
	Samarium	2.31		
	Scandium	9.35		
	Selenium	2.6		
	Silver	<1.56		
	Sodium (%)	1.08		
	Strontium	<13		
	Tantalum	0.862		
	Tellurium	nr		
	Terbium	0.362		
	Thorium	3.33		
	Tin	<76.3		
	Tungsten	0.61		
	Uranium	1.26		
	Ytterbium	0.659		
	Zinc	15600		
	Zirconium	nr		

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