

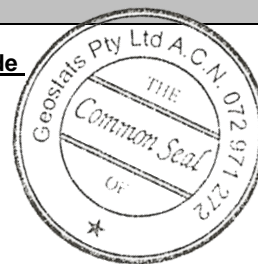
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM920-14

Certified Control Values



Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	118	10	88	+/- 2
Copper (ppm)	1706	72	115	+/- 13
Zinc (ppm)	92271	4195	99	+/- 841
Lead (ppm)	41943	1656	95	+/- 339
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	41.9	2.5	113	+/- 0.46
Sulphur (%)	14.30	0.52	100	+/- 0.1

CRM Details

<u>Control Statistic Details</u>		<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
Control statistics were produced from results accumulated in the October-2020 round robin. The number of results used to certify each analyte is shown in the table above.		Antimony	69.3	Fe	nr
		Arsenic	1480	SiO ₂	nr
		Barium	241	Al ₂ O ₃	nr
		Bromine	6	TiO ₂	nr
		Cadmium	236	MnO	nr
		Caesium	8	CaO	nr
		Calcium (%)	nr	P	nr
		Cerium	31	S	nr
		Chromium	46	MgO	nr
		Cobalt	54	K ₂ O	nr
		Europium	0.6	Na ₂ O	nr
		Gold (ppb)	46	LOI1000	nr
		Hafnium	<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes. 'nr': Not Reported	
		Iridium (ppb)	<50		
		Iron (%)	10.3		
		Lanthanum	19		
		Lutetium	0.2		
		Mercury	nr		
		Molybdenum	<10		
		Neodymium	nr		
		Nickel	133		
		Potassium (%)	nr		
		Rubidium	84		
		Samarium	2.7		
		Scandium	6.1		
		Selenium	<10		
		Silver	44		
		Sodium (%)	0.144		
		Strontium	nr		
		Tantalum	<2		
		Tellurium	<20		
		Terbium	<1		
		Thorium	6.7		
		Tin	<200		
		Tungsten	<2		
		Uranium	3		
		Ytterbium	1.2		
		Zinc	93800		
		Zirconium	<500		
<u>Material Description</u> This material is described as a Pb Zn Ore.					
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is medium dark gray in colour.					
<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.					
<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.					
<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.					
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.					
<u>Material Safety</u> This product is not hazardous and non-toxic.					

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