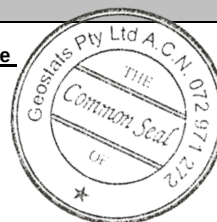


GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM923-7



Certified Control Values

Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	41	3	51	+/- 0.7
Copper (ppm)	7852	269	63	+/- 68.4
Zinc (ppm)	499	25	56	+/- 6.8
Lead (ppm)	160	7	56	+/- 2
Arsenic (ppm)	52	4	46	+/- 1.1
Cobalt (ppm)	94	5	57	+/- 1.4
Silver (ppm)	2.8	0.3	49	+/- 0.08

Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	29	4	54	+/- 1
Copper (ppm)	7954	235	76	+/- 54
Zinc (ppm)	477	25	62	+/- 6.3
Lead (ppm)	158	5	56	+/- 1.5
Arsenic (ppm)	52	2	45	+/- 0.7
Cobalt (ppm)	83	5	54	+/- 1.4
Silver (ppm)	2.8	0.2	64	+/- 0.04

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-2023 round robin. The number of results used to certify each analyte is shown in the table above.		Antimony	1.9	Fe	5.8		
		Arsenic	54	SiO ₂	59.47		
		Barium	365	Al ₂ O ₃	13.66		
		Bromine	<2	TiO ₂	1.2		
		Cadmium	<10	MnO	0.11		
		Caesium	2	CaO	5.85		
		Calcium (%)	nr	P	0.063		
		Cerium	38	S	0.886		
		Chromium	98	MgO	3.06		
		Cobalt	96	K ₂ O	1.89		
		Europium	1	Na ₂ O	3.116		
		Gold (ppb)	877	LOI1000	0.83		
		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 (%)	6.2				
		Lanthanum	20				
		Lutetium	0.4				
		Mercury	nr				
		Molybdenum	12				
		Neodymium	nr				
		Nickel	<100				
		Potassium (%)	nr				
		Rubidium	96				
		Samarium	4.6				
		Scandium	19				
		Selenium	<10				
		Silver	<5				
		Sodium (%)	2.18				
		Strontium	nr				
		Tantalum	<2				
		Tellurium	<20				
		Terbium	1				
		Thorium	11.3				
		Tin	<200				
		Tungsten	<2				
		Uranium	6				
		Ytterbium	2.9				
		Zinc	510				
		Zirconium	<500				
<u>Material Description</u> This material is described as a Copper sulphide ore.							
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is medium light 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.							

20 Hines Road, O'Connor, Western Australia 6163
Phone: +61 8 9314 2566 | Email: info@geostats.com.au
Website: www.geostats.com.au

GBM923-7

Geostats Pty Ltd, Certified Geochem Base Metal Reference Material, Product Code: