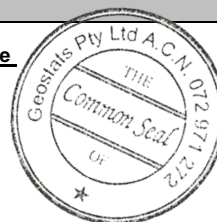


# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## GBM923-8



### Certified Control Values

#### Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	341	14	57	+/- 3.7
Copper (ppm)	1041	39	63	+/- 10
Zinc (ppm)	578	30	58	+/- 8
Lead (ppm)	304	13	57	+/- 3.5
Arsenic (ppm)	1523	67	51	+/- 19
Cobalt (ppm)	42	2	56	+/- 0.7
Silver (ppm)	4.0	0.2	46	+/- 0.06

#### Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	328	12	48	+/- 3.5
Copper (ppm)	1027	41	75	+/- 9.4
Zinc (ppm)	557	25	58	+/- 6.6
Lead (ppm)	300	14	61	+/- 3.6
Arsenic (ppm)	1518	67	55	+/- 18.3
Cobalt (ppm)	39	2	55	+/- 0.6
Silver (ppm)	4.0	0.3	66	+/- 0.07

### 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	14.1	Fe	8.26		
		Arsenic	1530	SiO <sub>2</sub>	55.02		
		Barium	510	Al <sub>2</sub> O <sub>3</sub>	12.67		
		Bromine	<2	TiO <sub>2</sub>	0.729		
		Cadmium	<10	MnO	0.115		
		Caesium	10	CaO	4.305		
		Calcium (%)	nr	P	0.054		
		Cerium	48	S	1.77		
		Chromium	255	MgO	2.21		
		Cobalt	46	K <sub>2</sub> O	2.43		
		Europium	1.1	Na <sub>2</sub> O	1.392		
		Gold (ppb)	6180	LOI1000	6.405		
		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 (%)	8.5				
		Lanthanum	25				
		Lutetium	0.3				
		Mercury	nr				
		Molybdenum	57				
		Neodymium	nr				
		Nickel	390				
		Potassium (%)	nr				
		Rubidium	99				
		Samarium	4.8				
		Scandium	18.3				
		Selenium	<10				
		Silver	<5				
		Sodium (%)	1.01				
		Strontium	nr				
		Tantalum	<2				
		Tellurium	<20				
		Terbium	<1				
		Thorium	6.2				
		Tin	<200				
		Tungsten	29.9				
		Uranium	4				
		Ytterbium	2.3				
		Zinc	670				
		Zirconium	<500				
<u>Material Description</u> This material is described as a Copper Gold ore.							
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale yellowish brown 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](mailto:info@geostats.com.au)  
Website: [www.geostats.com.au](http://www.geostats.com.au)

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