

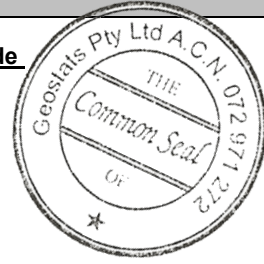
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM925-13

Certified Control Values



GBM925-13

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

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	36	7	86	+/- 2
Copper (ppm)	211686	7789	218	+/- 1042
Zinc (ppm)	199	16	94	+/- 3
Lead (ppm)	75	6	70	+/- 1
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	175.8	7.7	206	+/- 1.07
Sulphur (%)	6.50	0.24	187	+/- 0.03

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-2025, April-2014 round robins. The number of results used to certify each analyte is shown in the table above.	Antimony 241	Fe	4.72
	Arsenic 914	SiO ₂	40.35
	Barium 448	Al ₂ O ₃	8.04
	Bromine <2	TiO ₂	0.44
	Cadmium <10	MnO	0.07
	Caesium 3	CaO	0.85
	Calcium (%) nr	P	0.077
	Cerium 76	S	6.85
	Chromium 83	MgO	0.42
	Cobalt 16	K ₂ O	2.03
	Europium 1.3	Na ₂ O	1.65
	Gold (ppb) 2500	LOI1000	11.4
	Hafnium <5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iridium (ppb) <50	'nr': Not Reported	
	Iron (%) 5		
	Lanthanum 44		
	Lutetium 0.3		
	Mercury nr		
	Molybdenum 17		
	Neodymium nr		
	Nickel <100		
	Potassium (%) nr		
	Rubidium 83		
	Samarium 5.7		
	Scandium 6		
	Selenium <10		
	Silver 186		
	Sodium (%) 1.41		
	Strontium nr		
	Tantalum <2		
	Tellurium <20		
	Terbium <1		
	Thorium 13.8		
	Tin <200		
	Tungsten 5		
	Uranium 6		
	Ytterbium 1.7		
	Zinc <200		
	Zirconium <500		
<u>Material Description</u> This material is described as a Copper Concentrate.			
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is greenish 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