Ltd A Pty

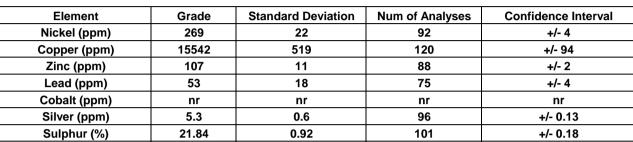
## **GEOSTATS PTY LTD**

**Mining Industry Consultants Reference Material Manufacture and Sales** 

**Certified Ore Grade Base Metal Reference Material Product Code** 

# GBM920-12

### **Certified Control Values**



## **CRM Details Neutron Activation** Major Elements by **Control Statistic Details** 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. **Material Description** This material is described as a Copper sulphide filtercake ex Pilbara, Western Colour Designation (ISCC-NBS, SP440) This material is olive gray in colour. This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying. Preparation and Packaging 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.

## Assay Testwork

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.

This product remains stable in its original packaging, away from direct sunlight.

## **Material Safety**

This product is not hazardous and non-toxic.

Analysis Results (ppm,		Fusion / XRF (%)		
unless otherwi	se noted)			
Antimony	3.1	Fe	21.6	
Arsenic	1680	SiO <sub>2</sub>	35.62	
Barium	262	Al <sub>2</sub> O <sub>3</sub>	8.14	
Bromine	<2	TiO <sub>2</sub>	0.48	
Cadmium	<10	MnO	0.09	
Caesium	<2	CaO	1.04	
Calcium (%)	nr	Р	0.028	
Cerium	62	S	21.94	
Chromium	104	MgO	0.95	
Cobalt	597	K <sub>2</sub> O	2.08	
Europium	1.2	Na <sub>2</sub> O	0.7	
Gold (ppb)	3490	LOI1000	17.51	
Hafnium	6			
Iridium (ppb)	<50	Neutron Act	ron Activation	
Iron (%)	22.2	Analyses ar	nd Fusion /	
Lanthanum	32	XRF Analys	nalyses are	
Lutetium	0.4	single result	results and are	
Mercury	nr	indicative or	only. These	
Molybdenum	<10	are provided	provided for matrix	
Neodymium	nr	identification		
Nickel	286	purposes.		
Potassium (%)	nr			
Rubidium	46	'nr': Not Rep	orted	
Samarium	5.4			
Scandium	7.4			
Selenium	<10			
Silver	5.4			
Sodium (%)	0.448			
Strontium	nr			
Tantalum	<2			
Tellurium	<20			
Terbium	<1			
Thorium	18.1			
Tin	<200			
Tungsten	18			
Uranium	7			
Ytterbium	2.8			
Zinc	<200			
Zirconium	<500			

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