Pty Ltd A

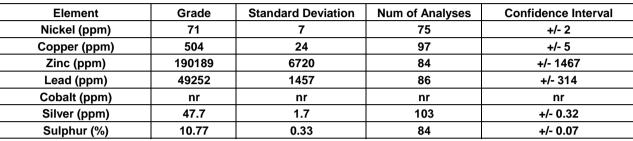
## **GEOSTATS PTY LTD**

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

Certified Ore Grade Base Metal Reference Material Product Code

# **GBM320-13**

## **Certified Control Values**



Lead (ppm)	49252	1457	86		+/- 314		
Cobalt (ppm)	nr	nr	nr		nr		
Silver (ppm)	47.7	1.7	103		+/- 0.32		
Sulphur (%)	10.77	0.33	84		+/- 0.07		
CRM Details							
				Neutron Activation		Major Elements by	
Control Statistic Details				Analysis Resul	ts (ppm, Fusion / XRF (%)		
Control statistics were produced from results accumulated in the April-2020				unless otherwise noted)			
round robin. The number of results used to certify each analyte is shown in the				Antimony	524	Fe	4.01
table above.				Arsenic	63	SiO <sub>2</sub>	50.67
				Barium	<100	Al <sub>2</sub> O <sub>3</sub>	3.16
Material Description				Bromine	4	TiO <sub>2</sub>	0.26
This material is described as a Zinc Sulphide Ore Composite.				Cadmium	838	MnO	0.04
				Caesium	5	CaO	0.68
				Calcium (%)	nr	Р	0.036
Colour Designation (ISCC-NBS, SP440)				Cerium	22	S	10.76
This material is pale brown in colour.				Chromium	104	MgO	0.67
				Cobalt	80	K <sub>2</sub> O	0.74
<u>Usage</u>				Europium	1.2	Na <sub>2</sub> O	0.26
This product is for use in the mining industry as a reference material for				Gold (ppb)	595	LOI1000	9.36
monitoring and testing the accuracy of laboratory assaying.				Hafnium	<5		
				Iridium (ppb)	<50	Neutron Act	tivation
Preparation and Packaging				Iron (%)	3.8	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry				Lanthanum	6	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)				Lutetium	<0.2	single results and are	
using an air classifier. The material is then homogenised and stored in a sealed,				Mercury	nr	indicative only. These	
stable container ready for final packaging.				Molybdenum	<10	:10 are provided for matrix	
				Neodymium	nr	identification	n
Materials are statistically sampled from stores, then packaged into either heat				Nickel	64	purposes.	
sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready				Potassium (%)	nr		
for distribution. All packaging has been chosen to ensure minimal contamination				Rubidium	29	nr': Not Reported	

from outside sources during shipment, use and storage.

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.

Samarium 1.5 Scandium 5.5 Selenium <10 Silver 48 Sodium (%) 0.113 Strontium nr **Tantalum** <2 Tellurium <20 Terbium <1 Thorium 2.1 Tin <200 Tungsten 13 Uranium <2 Ytterbium <0.5 Zinc 192000 Zirconium <500

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