Ltd A Pty

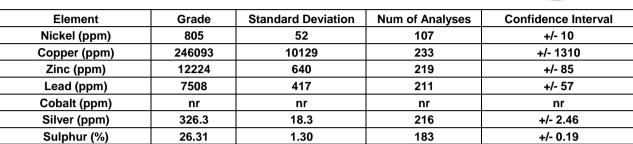
# **GEOSTATS PTY LTD**

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

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

# GBM922-16

## **Certified Control Values**



Copper (ppm)	246093	10129	233		+/- 1310	
Zinc (ppm)	12224	640	219		+/- 85	
Lead (ppm)	7508	417	211		+/- 57	
Cobalt (ppm)	nr	nr	nr		nr	
Silver (ppm)	326.3	18.3	216		+/- 2.46	
Sulphur (%)	26.31	1.30	183		+/- 0.19	
		<b>CRM Details</b>				
Operated Obsticities Partelle		CRM Details	Neutron Activa		Major Elei	-
Control Statistic Details Control statistics were produ	ced from results ac		Analysis Resu	lts (ppm,	Fusion / X	•
		ccumulated in the October-20.	Analysis Resu 22, unless otherw	lts (ppm,	Fusion / X	-
Control statistics were produ		ccumulated in the October-20.	Analysis Resu 22, unless otherw	Its (ppm, ise noted)	Fusion / X	RF (%)
Control statistics were produ April-2015 round robins. The		ccumulated in the October-20.	Analysis Resu unless otherw Antimony	Its (ppm, ise noted) 365	Fusion / X	<b>RF (%)</b> 22.483
Control statistics were produ April-2015 round robins. The		ccumulated in the October-20.	Analysis Resu unless otherw Antimony Arsenic	Its (ppm, ise noted) 365 1380	Fusion / X Fe SiO2	<b>RF (%)</b> 22.483 10.09
Control statistics were produ April-2015 round robins. The shown in the table above.	e number of results	ccumulated in the October-20 used to certify each analyte	Analysis Resu unless otherw Antimony Arsenic Barium	Its (ppm, ise noted) 365 1380 233	Fusion / X Fe SiO2 Al2O3	<b>RF (%)</b> 22.483  10.09  2.23

# Colour Designation (ISCC-NBS, SP440)

This material is grayish black 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 Resul	ts (ppm,	Fusion / XRF (%)		
unless otherwi	se noted)			
Antimony	365	Fe	22.483	
Arsenic	1380	SiO <sub>2</sub>	10.09	
Barium	233	Al <sub>2</sub> O <sub>3</sub>	2.23	
Bromine	<2	TiO <sub>2</sub>	0.18	
Cadmium	29	MnO	0.03	
Caesium	<2	CaO	1.27	
Calcium (%)	nr	Р	0.043	
Cerium	62	S	26.352	
Chromium	45	MgO	0.87	
Cobalt	503	K <sub>2</sub> O	0.299	
Europium	8.0	Na <sub>2</sub> O	0.41	
Gold (ppb)	84600	LOI1000	17.25	
Hafnium	<5			
Iridium (ppb)	<50	Neutron Act	ivation	
Iron (%)	22.2	Analyses ar	nd Fusion /	
Lanthanum	40	XRF Analys	es are	
Lutetium	<0.2	single result	ts and are	
Mercury	nr	indicative or	nly. These	
Molybdenum	677	are provided	d for matrix	
Neodymium	nr	identification	า	
Nickel	785	purposes.		
Potassium (%)	nr			
Rubidium	<20	'nr': Not Rep	orted	
Samarium	2.7			
Scandium	3.3			
Selenium	158			
Silver	320			
Sodium (%)	0.29			
Strontium	nr			
Tantalum	<2			
Tellurium	<20			
Terbium	<1			
Thorium	5.7			
Tin	<200			
Tungsten	89			
Uranium	7			
Ytterbium	<0.5			
Zinc	11700			
Zirconium	<500			

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