Pty Ltd A

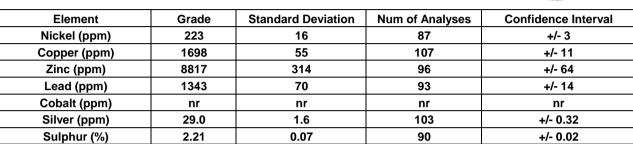
## **GEOSTATS PTY LTD**

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

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

# **GBM322-15**

### **Certified Control Values**



Zinc (ppm)	8817	314		96		+/- 64	
Lead (ppm)	1343	70		93		+/- 14	
Cobalt (ppm)	nr	nr		nr		nr	
Silver (ppm)	29.0	1.6		103		+/- 0.32	
Sulphur (%)	2.21	0.07		90		+/- 0.02	
		CRM Details					
				Neutron Activation		Major Elements by	
Control Statistic Details Analysis Results				ts (ppm,	m, Fusion / XRF (%)		
Control statistics were prod	uced from results a	accumulated in the Apr	il-2022	unless otherwi	se noted)		
round robin. The number of	results used to certify	y each analyte is shown	in the	Antimony	10.5	Fe	4.699
table above.			Arsenic 78.1			SiO <sub>2</sub>	64.45
				Barium	111	Al <sub>2</sub> O <sub>3</sub>	12.47
Material Description	aterial Description Bromine <2					TiO <sub>2</sub>	0.32
This material is described as	naterial is described as a Zn / Cu / Ag Oxide ex Armenia. Cadmium 73				MnO	0.22	
				Caesium	<2	CaO	0.81
				Calcium (%)	nr	Р	0.023
Colour Designation (ISCC-NE	3S, SP440 <u>)</u>			Cerium	<5	S	2.15
This material is yellowish gra	Chromium	<10	MgO	3.37			
				Cobalt	11	K <sub>2</sub> O	1.64
<u>Usage</u>				Europium	<0.5	Na <sub>2</sub> O	1.19
This product is for use in	the mining industry	as a reference mate	rial for	Gold (ppb)	1460	LOI1000	5.04
monitoring and testing the accuracy of laboratory assaying.				Hafnium	<5		
				Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging				Iron (%)	4.8	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry			Lanthanum	2	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, 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	rusion / XRF (%)				
unless otherwi	se noted)				
Antimony	10.5	Fe	4.699		
Arsenic	78.1	SiO <sub>2</sub>	64.45		
Barium	111	Al <sub>2</sub> O <sub>3</sub>	12.47		
Bromine	<2	TiO <sub>2</sub>	0.32		
Cadmium	73	MnO	0.22		
Caesium	<2	CaO	0.81		
Calcium (%)	nr	Р	0.023		
Cerium	<5	S	2.15		
Chromium	<10	MgO	3.37		
Cobalt	11	K <sub>2</sub> O	1.64		
Europium	<0.5	Na <sub>2</sub> O	1.19		
Gold (ppb)	1460	LOI1000	5.04		
Hafnium	<5				
Iridium (ppb)	<50	Neutron Act	ivation		
Iron (%)	4.8	Analyses ar	nd Fusion /		
Lanthanum	2	XRF Analyses are			
Lutetium	0.2	single results and are			
Mercury	nr	indicative only. These			
Molybdenum	<10	are provided for matrix			
Neodymium	nr	identification			
Nickel	230	purposes.			
Potassium (%)	nr				
Rubidium	32	'nr': Not Rep	orted		
Samarium	0.9				
Scandium	17.3				
Selenium	<10				
Silver	29				
Sodium (%)	0.96				
Strontium	nr				
Tantalum	<2				
Tellurium	<20				
Terbium	<1				
Thorium	<0.5				
Tin	<200				
Tungsten	<2				
Uranium	<1				
Ytterbium	1.1				
Zinc	8880				
Zirconium	<500				

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