Ltd A Pty

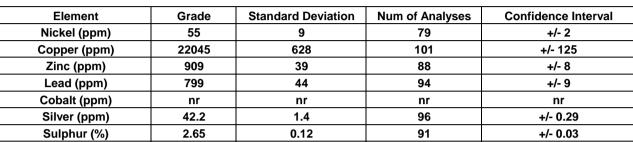
GEOSTATS PTY LTD

Mining Industry Consultants Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM323-11

Certified Control Values



Zinc (ppm)	909	39	88		+/- 8		
Lead (ppm)	799	44	94		+/- 9		
Cobalt (ppm)	nr	nr	nr		nr		
Silver (ppm)	42.2	1.4	96	96		+/- 0.29	
Sulphur (%)	2.65	0.12	91		+/- 0.03		
		CRM Details					
			Neutron Activ	Neutron Activation		Major Elements by	
Control Statistic Details	Analysis Res	Analysis Results (ppm,		Fusion / XRF (%)			
Control statistics were produ	uced from results	accumulated in the April-2	2023 unless otherv	vise noted)		_	
round robin. The number of results used to certify each analyte is shown in the			the Antimony	14.2	Fe	7.29	
table above.			Arsenic	86	SiO ₂	53.21	
			Barium	357	Al ₂ O ₃	13.17	
Material Description	Bromine	<2	TiO ₂	1.95			
This material is described as a Copper Sulphide ore composite.			Cadmium	<10	MnO	0.11	
			Caesium	<2	CaO	5.46	
			Calcium (%)	nr	Р	0.057	
Colour Designation (ISCC-NB	S, SP440)		Cerium	39	S	2.63	
This material is medium dark	gray in colour.		Chromium	116	MgO	3.16	
			Cobalt	104	K ₂ O	1.78	
<u>Usage</u>			Europium	1	Na ₂ O	2.97	
This product is for use in the mining industry as a reference material for			for Gold (ppb)	3170	LOI1000	3.76	
monitoring and testing the accuracy of laboratory assaying.			Hafnium	5		•	
		·	Iridium (ppb)	<50	Neutron Ac	tivation	
Preparation and Packaging			Iron (%)	7.7	Analyses and Fusion /		
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry			dry Lanthanum	20	XRF Analyses are		
material is then pulverised to better than 75 micron (nominal mean of 45 micron)			ron) Lutetium	0.4	single results and are		
,			olod Moroury		nr indicative only These		

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	Fusion / XRF (%)			
unless otherwi				
Antimony	14.2	Fe	7.29	
Arsenic	86	SiO ₂	53.21	
Barium	357	Al ₂ O ₃	13.17	
Bromine	<2	TiO ₂	1.95	
Cadmium	<10	MnO	0.11	
Caesium	<2	CaO	5.46	
Calcium (%)	nr	Р	0.057	
Cerium	39	S	2.63	
Chromium	116	MgO	3.16	
Cobalt	104	K ₂ O	1.78	
Europium	1	Na ₂ O	2.97	
Gold (ppb)	3170	LOI1000	3.76	
Hafnium	5			
Iridium (ppb)	<50	Neutron Act	ivation	
Iron (%)	7.7	Analyses ar	nd Fusion /	
Lanthanum	20	XRF Analyses are		
Lutetium	0.4	single result	ts and are	
Mercury	nr	indicative or	nly. These	
Molybdenum	70	are provided	d for matrix	
Neodymium	nr	identification	า	
Nickel	<100	purposes.		
Potassium (%)	nr			
Rubidium	90	'nr': Not Rep	orted	
Samarium	4.5			
Scandium	20.3			
Selenium	<10			
Silver	44			
Sodium (%)	2.18			
Strontium	nr			
Tantalum	2			
Tellurium	<20			
Terbium	<1			
Thorium	10.7			
Tin	<200			
Tungsten	4			
Uranium	5			
Ytterbium	2.4			
Zinc	920			
Zirconium	<500			

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