Common Sea

### **GEOSTATS PTY LTD**

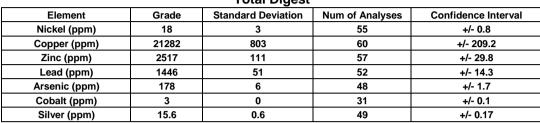
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

# **GBM923-5**

# Certified Control Values

## **Total Digest**



#### **Partial Digest**

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Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval		
Nickel (ppm)	16	1	42	+/- 0.3		
Copper (ppm)	21527	611	70	+/- 146.6		
Zinc (ppm)	2530	101	60	+/- 26.4		
Lead (ppm)	1464	44	61	+/- 11.5		
Arsenic (ppm)	175	6	49	+/- 1.8		
Cobalt (ppm)	2	0	38	+/- 0.1		
Silver (ppm)	15.6	0.5	69	+/- 0.11		

#### **CRM Details**

	Neutron Activation Major Elem		ments by	
Control Statistic Details	Analysis Resul	ts (ppm.	Fusion / X	-
Control statistics were produced from results accumulated in the October-2023	unless otherwise noted			( )
round robin. The number of results used to certify each analyte is shown in the	Antimony	2.9	Fe	2.33
table above.	Arsenic	175	SiO <sub>2</sub>	70.84
	Barium	<100	Al <sub>2</sub> O <sub>3</sub>	9.97
Material Description	Bromine	<2	TiO <sub>2</sub>	0.12
This material is described as an Oxide Cu/Au Ore ex Murchison.	Cadmium	12	MnO	0.02
	Caesium	30	CaO	0.55
	Calcium (%)	nr	P	0.054
Colour Designation (ISCC-NBS, SP440)	Cerium	<5	S	1.25
This material is moderate orange pink in colour.	Chromium	31	MgO	0.34
	Cobalt	3	K <sub>2</sub> O	5.5
<u>Usage</u>	Europium	<0.5	Na <sub>2</sub> O	1.83
This product is for use in the mining industry as a reference material for	Gold (ppb)	927	LOI1000	4.13
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	2.3	Analyses ar	nd 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	Lutetium	<0.2	single results and are	
micron) using an air classifier. The material is then homogenised and stored in	Mercury	nr	•	
a sealed, stable container ready for final packaging.	Molybdenum	190	indicative only. These	
	Neodymium	nr	are provided	
Materials are statistically sampled from stores, then packaged into either heat	Nickel	<100	identification	n purposes.
sealed, air tight, plastic pulp packets or screw top sealed plastic containers	Potassium (%)	nr		
ready for distribution. All packaging has been chosen to ensure minimal	Rubidium	1120	'nr': Not Rep	oorted
contamination from outside sources during shipment, use and storage.	Samarium	0.3		
	Scandium	2.1		
Assay Testwork	Selenium	<10		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	16		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	1.21		
are compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing	Tantalum	<2		
monitoring statistics for these standards. Materials are tested regularly to	Tellurium	<20		
ensure stability and homogeneity.	Terbium	<1		
	Thorium	<0.5		
<u>Stability</u>	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	<2		
	Uranium	<1		
Material Safety	Ytterbium	<0.5		
This product is not hazardous and non-toxic.	Zinc	2600		
	Zirconium	<500		

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