Common Sea

## **GEOSTATS PTY LTD**

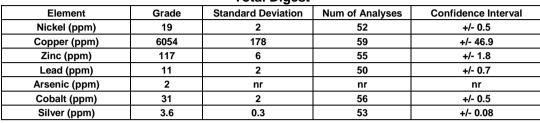
**Mining Industry Consultants Reference Material Manufacture and Sales** 

Certified Geochem Base Metal Reference Material Product Code

# **GBM919-3**

# **Certified Control Values**

### **Total Digest**



#### **Partial Digest**

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	18	2	52	+/- 0.5
Copper (ppm)	6082	233	75	+/- 53.9
Zinc (ppm)	116	5	62	+/- 1.2
Lead (ppm)	8	3	44	+/- 0.8
Arsenic (ppm)	2	nr	nr	nr
Cobalt (ppm)	30	2	51	+/- 0.6
Silver (ppm)	3.6	0.3	61	+/- 0.08

#### **CRM Details**

	Neutron Activation Analysis Results (ppm,		Major Eler	nents by
Control Statistic Details			Fusion / XRF (%)	
Control statistics were produced from results accumulated in the October-2019	unless otherwi			( /
round robin. The number of results used to certify each analyte is shown in the	Antimony	1.9	Fe	4
table above.	Arsenic	1	SiO <sub>2</sub>	69.3
	Barium	622	Al <sub>2</sub> O <sub>3</sub>	13.45
Material Description	Bromine	3	TiO <sub>2</sub>	0.3
This material is described as a Porphyry copper, SW, Westen Australia.	Cadmium	<10	MnO	0.11
	Caesium	2	CaO	1.91
	Calcium (%)	nr	Р	0.035
Colour Designation (ISCC-NBS, SP440)	Cerium	42	S	0.89
This material is medium light gray in colour.	Chromium	33	MgO	0.88
	Cobalt	30	K <sub>2</sub> O	2.21
Usage	Europium	0.7	Na <sub>2</sub> O	3.97
This product is for use in the mining industry as a reference material for	Gold (ppb)	47	LOI1000	1.34
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	3.7	Analyses an	d Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	29	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	104	indicative only. These	
	Neodymium	nr	are provided	for matrix
Materials are statistically sampled from stores, then packaged into either heat	Nickel	<20	identification	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	69	'nr': Not Rep	orted
contamination from outside sources during shipment, use and storage.	Samarium	2.7		
	Scandium	4		
Assay Testwork	Selenium	<10		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	<5		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	2.64		
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	10		
Stability	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	31		
	Uranium	5		
<u>Material Safety</u>	Ytterbium	0.8		
This product is not hazardous and non-toxic.	Zinc	<200		
	Zirconium	<500		

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