Common Sea

GEOSTATS PTY LTD

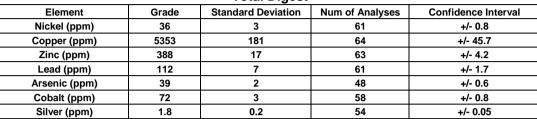
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM323-6

Certified Control Values

Total Digest



Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval			
Nickel (ppm)	23	1	48	+/- 0.4			
Copper (ppm)	5377	174	73	+/- 40.9			
Zinc (ppm)	362	15	59	+/- 4.1			
Lead (ppm)	108	5	58	+/- 1.4			
Arsenic (ppm)	39	4	57	+/- 0.9			
Cobalt (ppm)	60	4	53	+/- 1.2			
Silver (ppm)	1.8	0.2	61	+/- 0.05			

CRM Details

	Neutron Activation		Major Elements by	
Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the April-2023	unless otherwi	se noted)		
round robin. The number of results used to certify each analyte is shown in the	Antimony	1.2	Fe	5.78
table above.	Arsenic	40	SiO ₂	60.43
	Barium	417	Al ₂ O ₃	13.93
Material Description	Bromine	<2	TiO ₂	1.198
This material is described as a Copper sulphide ore.	Cadmium	<10	MnO	0.11
	Caesium	2	CaO	5.84
	Calcium (%)	nr	P	0.062
Colour Designation (ISCC-NBS, SP440)	Cerium	41	S	0.673
This material is medium light gray in colour.	Chromium	95	MgO	3.06
	Cobalt	75	K ₂ O	1.93
<u>Usage</u>	Europium	1.2	Na ₂ O	3.115
This product is for use in the mining industry as a reference material for	Gold (ppb)	831	LOI1000	0.66
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	6	Analyses an	d Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	20	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45	Lutetium	0.4	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	<10	indicative only. These	
	Neodymium	nr	are provided	for matrix
Materials are statistically sampled from stores, then packaged into either heat	Nickel	<100	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	89	'nr': Not Reported	
contamination from outside sources during shipment, use and storage.	Samarium	4.7		
	Scandium	18.9		
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 (%)	2.17		
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	11.7		
<u>Stability</u>	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	<2		
	Uranium	6		
<u>Material Safety</u>	Ytterbium	2.9		
This product is not hazardous and non-toxic.	Zinc	380		
	Zirconium	<500		

20 Hines Road, O'Connor, Western Australia 6163
Phone: +61 8 9314 2566 | Email: info@geostats.com.au
Website: www.geostats.com.au