Common Sea

GEOSTATS PTY LTD

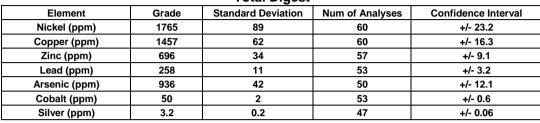
Mining Industry Consultants Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM322-9

Certified Control Values

Total Digest



Partial Digest

Jan 19 Ja						
Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval		
Nickel (ppm)	1758	88	54	+/- 24.1		
Copper (ppm)	1452	52	80	+/- 11.7		
Zinc (ppm)	672	22	57	+/- 6		
Lead (ppm)	248	12	60	+/- 3.2		
Arsenic (ppm)	938	32	55	+/- 8.8		
Cobalt (ppm)	46	2	51	+/- 0.5		
Silver (ppm)	3.1	0.2	69	+/- 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-2022	unless otherwi	se noted)		` '
round robin. The number of results used to certify each analyte is shown in the	Antimony	82.5	Fe	5.52
table above.	Arsenic	945	SiO ₂	60.01
	Barium	448	Al ₂ O ₃	11.32
Material Description	Bromine	<2	TiO ₂	0.75
This material is described as a Composite oxide Ore with Minor sulphide.Trace	Cadmium	<10	MnO	0.18
carbon,Aqua Regia requires pre-roast.	Caesium	5	CaO	5.92
	Calcium (%)	nr	Р	0.053
Colour Designation (ISCC-NBS, SP440)	Cerium	36	S	0.74
This material is yellowish gray in colour.	Chromium	264	MgO	2.82
	Cobalt	51	K ₂ O	1.68
<u>Usage</u>	Europium	1	Na ₂ O	1.33
This product is for use in the mining industry as a reference material for	Gold (ppb)	2000	LOI1000	5.26
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	5.4	Analyses an	d Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	21	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45	Lutetium	0.3	single results and are	
micron) using an air classifier. The material is then homogenised and stored in	Mercury	nr	ŭ	
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	1760	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	102	'nr': Not Rep	orted
contamination from outside sources during shipment, use and storage.	Samarium	3.9		
	Scandium	12.9		
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 (%)	0.94		
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	8.4		
<u>Stability</u>	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	16		
L	Uranium	3		
Material Safety	Ytterbium	1.6		
This product is not hazardous and non-toxic.	Zinc	670		
	Zirconium	<500	ĺ	

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