Common Sea

GEOSTATS PTY LTD

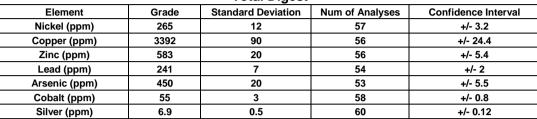
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM320-9

Certified Control Values

Total Digest



Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval	
Nickel (ppm)	252	17	51	+/- 4.8	
Copper (ppm)	3421	91	68	+/- 22.2	
Zinc (ppm)	553	28	55	+/- 7.7	
Lead (ppm)	236	13	56	+/- 3.5	
Arsenic (ppm)	443	13	49	+/- 3.8	
Cobalt (ppm)	48	2	46	+/- 0.7	
Silver (ppm)	6.9	0.3	60	+/- 0.08	

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-2020	unless otherwi	se noted)		
round robin. The number of results used to certify each analyte is shown in the	Antimony	31.1	Fe	7.3
table above.	Arsenic	460	SiO ₂	59.16
	Barium	310	Al ₂ O ₃	11.98
Material Description	Bromine	<2	TiO ₂	1.05
This material is described as a Composite of Tail samples.	Cadmium	<10	MnO	0.11
	Caesium	5	CaO	4.34
	Calcium (%)	nr	Р	0.056
Colour Designation (ISCC-NBS, SP440)	Cerium	45	S	1.18
This material is pale yellowish brown in colour.	Chromium	662	MgO	2.88
	Cobalt	59	K ₂ O	2.03
<u>Usage</u>	Europium	1	Na ₂ O	2.13
This product is for use in the mining industry as a reference material for	Gold (ppb)	3450	LOI1000	3.34
monitoring and testing the accuracy of laboratory assaying.	Hafnium	6		
	Iridium (ppb)	<50	Neutron Act	ivation
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	Lanthanum	19	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	270	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	161	'nr': Not Reported	
contamination from outside sources during shipment, use and storage.	Samarium	4.6		
	Scandium	19.5		
Assay Testwork	Selenium	<10		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	7		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	1.56		
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	9.2		
<u>Stability</u>	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	40		
	Uranium	3		
Material Safety	Ytterbium	2.8		
This product is not hazardous and non-toxic.	Zinc	600		
	Zirconium	<500		

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