Common Sea

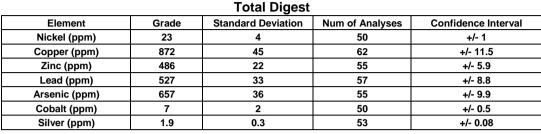
GEOSTATS PTY LTD

Mining Industry Consultants Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM320-1

Certified Control Values



Partial Digest

r urtial Digest						
Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval		
Nickel (ppm)	20	4	46	+/- 1.1		
Copper (ppm)	840	51	72	+/- 12.1		
Zinc (ppm)	449	54	55	+/- 14.7		
Lead (ppm)	471	65	58	+/- 17.3		
Arsenic (ppm)	594	56	53	+/- 15.6		
Cobalt (ppm)	7	2	40	+/- 0.5		
Silver (ppm)	1.3	0.2	46	+/- 0.06		

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	58.1	Fe	41.9
table above.	Arsenic	700	SiO ₂	22.32
	Barium	1390	Al ₂ O ₃	3.51
Material Description	Bromine	<2	TiO ₂	0.39
This material is described as an Iron gossan, Eastern Pilbara.	Cadmium	<10	MnO	0.02
	Caesium	<2	CaO	3.43
	Calcium (%)	nr	Р	0.015
Colour Designation (ISCC-NBS, SP440)	Cerium	<5	S	0.15
This material is moderate reddish brown in colour.	Chromium	38	MgO	0.42
	Cobalt	7.3	K ₂ O	0.43
<u>Usage</u>	Europium	<0.5	Na ₂ O	0.04
This product is for use in the mining industry as a reference material for	Gold (ppb)	262	LOI1000	8.32
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5		
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	43.6	Analyses ar	d Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	3	XRF Analys	es are
material is then pulverised to better than 75 micron (nominal mean of 45	Lutetium	<0.2	single result	
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 are provided for matrix	
	Neodymium	nr	'	
Materials are statistically sampled from stores, then packaged into either heat	Nickel	28	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	<20	'nr': Not Rep	orted
contamination from outside sources during shipment, use and storage.	Samarium	0.6		
	Scandium	4.1		
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 (%)	0.065		
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		
0. 1 37.	Thorium	1.9		
Stability	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	<5		
Martinial Outres	Uranium	2		
Material Safety	Ytterbium	<0.5		
This product is not hazardous and non-toxic.	Zinc	520		
	Zirconium	<500	ĺ	

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