Common Sea

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM922-10

JDIVIJEE 10

Certified Control Values

Total Digest Standard Deviation Element Grade **Num of Analyses Confidence Interval** Nickel (ppm) 683 54 34 +/- 9.5 65 54 Copper (ppm) 5 +/- 1.3 Zinc (ppm) 31 6 55 +/- 1.6 Lead (ppm) 20 3 51 +/- 1 Arsenic (ppm) 477 25 49 +/- 7.2 59 57 Cobalt (ppm) 3 +/- 0.9 +/- 0.04 Silver (ppm) 0.3 0.1 28

Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	455	103	60	+/- 26.9
Copper (ppm)	52	10	75	+/- 2.4
Zinc (ppm)	23	10	57	+/- 2.7
Lead (ppm)	20	4	58	+/- 1
Arsenic (ppm)	323	82	62	+/- 21.1
Cobalt (ppm)	48	6	55	+/- 1.6
Silver (ppm)	0.3	0.1	38	+/- 0.04

CRM Details

	Neutron Activation Analysis Results (ppm,		Major Elements by Fusion / XRF (%)		
Control Statistic Details					
Control statistics were produced from results accumulated in the October-2022	unless otherwise noted)				
round robin. The number of results used to certify each analyte is shown in the	Antimony	<0.2	Fe	20.8	
table above.	Arsenic	494	SiO ₂	28.21	
	Barium	<100	Al ₂ O ₃	18	
Material Description	Bromine	13	TiO ₂	0.69	
This material is described as a Laterite ore.	Cadmium	<20	MnO	0.05	
	Caesium	2	CaO	4.22	
	Calcium (%)	nr	P	0.009	
Colour Designation (ISCC-NBS, SP440)	Cerium	71	S	0.04	
This material is moderate brown in colour.	Chromium	6440	MgO	3.02	
	Cobalt	65	K ₂ O	0.31	
<u>Usage</u>	Europium	8.0	Na ₂ O	0.39	
This product is for use in the mining industry as a reference material for	Gold (ppb)	4050	LOI1000	13.94	
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5			
	Iridium (ppb)	<50	Neutron Act	ivation	
Preparation and Packaging	Iron (%)	21.3	Analyses an	d Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	16	XRF Analyses are		
material is then pulverised to better than 75 micron (nominal mean of 45	Lutetium	0.4	,		
micron) using an air classifier. The material is then homogenised and stored in	Mercury	nr	single results and are		
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	730	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	<20	'nr': Not Rep	orted	
contamination from outside sources during shipment, use and storage.	Samarium	4			
	Scandium	90.1			
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 (%)	0.28			
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	17.8			
<u>Stability</u>	Tin	<200			
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	10			
	Uranium	8			
Material Safety	Ytterbium	2.4			
This product is not hazardous and non-toxic.	Zinc	<200			
	Zirconium	<500			

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