Common Seal

## **GEOSTATS PTY LTD**

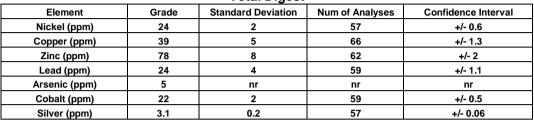
**Mining Industry Consultants** Reference Material Manufacture and Sales

**Certified Geochem Base Metal Reference Material Product Code** 

## **GBM314-5**

## Certified Control Values

**Total Digest** 



**Partial Digest** 

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval	
Nickel (ppm)	12	2	54	+/- 0.5	
Copper (ppm)	35	5	74	+/- 1.1	
Zinc (ppm)	46	9	64	+/- 2.2	
Lead (ppm)	17	4	65	+/- 0.9	
Arsenic (ppm)	4	2	35	+/- 0.7	
Cobalt (ppm)	11	3	56	+/- 0.7	
Silver (ppm)	3.1	0.2	63	+/- 0.06	

## **CRM Details**

	Neutron Activation Analysis Results (ppm,		Major Elements by Fusion / XRF (%)	
Control Statistic Details				
Control statistics were produced from results accumulated in the April-2014	unless otherwi	se noted)		
round robin. The number of results used to certify each analyte is shown in the	Antimony	<0.1	Fe	5.95
table above.	Arsenic	3	SiO <sub>2</sub>	60.43
	Barium	370	Al <sub>2</sub> O <sub>3</sub>	13.22
Material Description	Bromine	0.6	TiO <sub>2</sub>	1.06
This material is described as a Mine Ore Low Sulphide.	Cadmium	<5	MnO	0.1
	Caesium	2	CaO	6.49
	Calcium (%)	nr	Р	0.065
Colour Designation (ISCC-NBS, SP440)	Cerium	36	S	0.048
This material is light olive gray in colour.	Chromium	70	MgO	2.8
0 0 7	Cobalt	23	K <sub>2</sub> O	2.15
Usage	Europium	<1	Na <sub>2</sub> O	2.84
This product is for use in the mining industry as a reference material for	Gold (ppb)	780	LOI1000	1.67
monitoring and testing the accuracy of laboratory assaying.	Hafnium	4		•
, , , ,	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	22	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	<0.2	AN Analyses are	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	single results and are		
stable container ready for final packaging.	Molybdenum	19	indicative only. These	
	Neodymium	nr	are provided	I for matrix
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 ready	Potassium (%)	nr		
for distribution. All packaging has been chosen to ensure minimal contamination	Rubidium	110	'nr': Not Rep	orted
from outside sources during shipment, use and storage.	Samarium	4.6		
<b>3</b> · 1 · · · · · · · · · · · · · · · · ·	Scandium	15.3		
Assay Testwork	Selenium	<5		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	3		
This involves assaying by multiple laboratories from around the world. Results are	Sodium (%)	1.82		
compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing monitoring	Tantalum	1.3		
statistics for these standards. Materials are tested regularly to ensure stability and	Tellurium	nr		
homogeneity.	Terbium	0.8		
	Thorium	14.4		
Stability	Tin	nr		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	1		
	Uranium	8.4		
Material Safety	Ytterbium	3		
This product is not hazardous and non-toxic.	Zinc	<100		
The product to the trace and trott toxio.	Ziroonium	1	ĺ	

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