Common Seal

## **GEOSTATS PTY LTD**

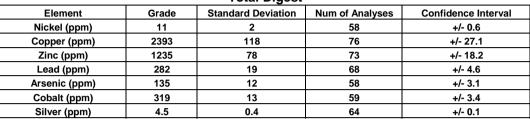
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## **GBM916-10**

## Certified Control Values

**Total Digest** 



**Partial Digest** 

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval			
Nickel (ppm)	10	3	55	+/- 0.8			
Copper (ppm)	2374	128	87	+/- 27.5			
Zinc (ppm)	1142	63	67	+/- 15.4			
Lead (ppm)	277	24	72	+/- 5.7			
Arsenic (ppm)	138	12	59	+/- 3.1			
Cobalt (ppm)	317	29	64	+/- 7.2			
Silver (ppm)	4.5	0.6	70	+/- 0.13			

## **CRM Details**

	Nautran Astive	Anti-ordina Banton Fil			
Control Statistic Retails	Neutron Activation		Major Elements by		
Control Statistic Details	Analysis Results (ppm, unless otherwise noted)		Fusion / XRF (%)		
Control statistics were produced from results accumulated in the October-2016			_		
round robin. The number of results used to certify each analyte is shown in the	Antimony	6.87	Fe	23.615	
table above.	Arsenic	150	SiO <sub>2</sub>	40.08	
Material Description	Barium	<50	Al <sub>2</sub> O <sub>3</sub>	5.61	
Material Description	Bromine	<2	TiO <sub>2</sub>	0.18	
This material is described as a Sulphide tailings ex Western Australia.	Cadmium	<10	MnO	0.11	
	Caesium	<1	CaO	1.68	
	Calcium (%)	nr	P	0.035	
Colour Designation (ISCC-NBS, SP440)	Cerium	25.8	S	14.5	
This material is medium gray in colour.	Chromium	<20	MgO	3.31	
	Cobalt	335	K <sub>2</sub> O	0.22	
<u>Usage</u>	Europium	1.28	Na <sub>2</sub> O	0.16	
This product is for use in the mining industry as a reference material for	Gold (ppb)	219	LOI1000	11.78	
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5			
	Iridium (ppb)	<50	Neutron Act	ivation	
Preparation and Packaging	Iron (%)	24.2	Analyses an	d Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	13	XRF Analyses are		
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.43	-		
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr	single results and are		
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	<20	identification	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	<20	'nr': Not Rep	orted	
from outside sources during shipment, use and storage.	Samarium	2.9			
	Scandium	8			
Assay Testwork	Selenium	16			
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 (%)	0.144			
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 ensure	Tellurium	<20			
stability and homogeneity.	Terbium	<1			
	Thorium	2.4			
Stability	Tin	<200			
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	5			
This product romains stable in its original pastaging, and, nom allost samignit	Uranium	<1			
Material Safety	Ytterbium	2.34			
This product is not hazardous and non-toxic.	Zinc	1400			
This product is not nazardous and non toxic.	Zirconium	<500			
	Litotilalii	<b>1000</b>	l		

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