

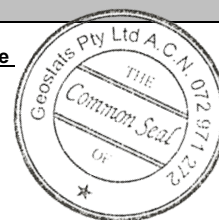
# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## GBM914-8

Certified Control Values



GBM914-8

### Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	414	18	136	+/- 3.1
Copper (ppm)	6241	218	155	+/- 34.8
Zinc (ppm)	3786	193	149	+/- 31.3
Lead (ppm)	849	34	146	+/- 5.6
Arsenic (ppm)	316	17	130	+/- 3
Cobalt (ppm)	90	5	145	+/- 0.9
Silver (ppm)	8.5	0.5	136	+/- 0.09

### Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	401	20	111	+/- 3.8
Copper (ppm)	6273	211	148	+/- 34.4
Zinc (ppm)	3775	199	136	+/- 33.9
Lead (ppm)	848	40	124	+/- 7.2
Arsenic (ppm)	307	18	127	+/- 3.1
Cobalt (ppm)	87	5	111	+/- 1
Silver (ppm)	8.5	0.7	147	+/- 0.11

### CRM Details

<u>Control Statistic Details</u>	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>	<u>Major Elements by Fusion / XRF (%)</u>	
Control statistics were produced from results accumulated in the October-2014 & April-2015 round robins. The number of results used to certify each analyte is shown in the table above.	Antimony 13.95	Fe	13
	Arsenic 339	SiO <sub>2</sub>	51.41
	Barium 270	Al <sub>2</sub> O <sub>3</sub>	12.09
	Bromine 1.028	TiO <sub>2</sub>	0.81
	Cadmium 10.6	MnO	0.11
	Caesium 6.88	CaO	3.59
	Calcium (%) nr	P	0.055
	Cerium 35.5	S	2.259
	Chromium 330	MgO	2.53
	Cobalt 95.5	K <sub>2</sub> O	1.63
	Europium 0.7	Na <sub>2</sub> O	1.78
	Gold (ppb) 5370	LOI1000	5.09
	Hafnium 5.5		
	Iridium (ppb) <50	Neutron Activation	
	Iron (%) 13.3	Analyses and Fusion /	
	Lanthanum 18.75	XRF Analyses are	
	Lutetium 0.3	single results and are	
	Mercury nr	indicative only. These	
	Molybdenum 17.5	are provided for matrix	
	Neodymium nr	identification purposes.	
	Nickel 485	'nr': Not Reported	
	Potassium (%) nr		
	Rubidium 330		
	Samarium 3.44		
	Scandium 14.75		
	Selenium <10		
	Silver 8		
	Sodium (%) 1.345		
	Strontium nr		
	Tantalum 1.9		
	Tellurium nr		
	Terbium 0.6		
	Thorium 11.55		
	Tin nr		
	Tungsten 12.75		
	Uranium 3.9		
	Ytterbium <2		
	Zinc 4035		
	Zirconium nr		
<u>Material Description</u>			
This material is described as a Low Sulphide ore ex Eastern Goldfields - This material also certified for partial digests.			
<u>Colour Designation (ISCC-NBS, SP440)</u>			
This material is light brown in colour.			
<u>Usage</u>			
This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.			
<u>Preparation and Packaging</u>			
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.			
Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.			
<u>Assay Testwork</u>			
All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.			
<u>Stability</u>			
This product remains stable in its original packaging, away from direct sunlight.			
<u>Material Safety</u>			
This product is not hazardous and non-toxic.			

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Geostats Pty Ltd, Certified Geochem Base Metal Reference Material, Product Code: