

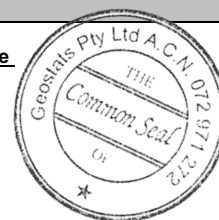
# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

## GBM314-6

Certified Control Values



GBM314-6

### Total Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	72	7	67	+/- 1.6
Copper (ppm)	4290	134	69	+/- 32.5
Zinc (ppm)	117	11	68	+/- 2.6
Lead (ppm)	8	3	51	+/- 0.8
Arsenic (ppm)	14	3	50	+/- 0.9
Cobalt (ppm)	205	11	63	+/- 2.7
Silver (ppm)	0.6	nr	nr	nr

### Partial Digest

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	70	5	57	+/- 1.4
Copper (ppm)	4313	194	77	+/- 44.4
Zinc (ppm)	116	10	67	+/- 2.6
Lead (ppm)	8	3	54	+/- 1
Arsenic (ppm)	14	2	43	+/- 0.6
Cobalt (ppm)	208	13	59	+/- 3.4
Silver (ppm)	0.3	nr	nr	nr

### CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)	Major Elements by Fusion / XRF (%)	
Control statistics were produced from results accumulated in the April-2014 round robin. The number of results used to certify each analyte is shown in the table above.	Antimony 0.2	Fe	4.45
	Arsenic 13	SiO <sub>2</sub>	62.3
	Barium 530	Al <sub>2</sub> O <sub>3</sub>	16.26
	Bromine 0.9	TiO <sub>2</sub>	0.75
	Cadmium <5	MnO	0.04
	Caesium 2.3	CaO	1.62
	Calcium (%) nr	P	0.055
	Cerium 86	S	0.569
	Chromium 110	MgO	4.06
	Cobalt 220	K <sub>2</sub> O	3.9
	Europium 1	Na <sub>2</sub> O	1.48
	Gold (ppb) 120	LOI1000	2.01
	Hafnium 6		
	Iridium (ppb) <50	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%) 3.6	'nr': Not Reported	
	Lanthanum 40		
	Lutetium <0.2		
	Mercury nr		
	Molybdenum 6		
	Neodymium nr		
	Nickel 78		
	Potassium (%) nr		
	Rubidium 140		
	Samarium 7.8		
	Scandium 14.8		
	Selenium <5		
	Silver <1		
	Sodium (%) 0.924		
	Strontium nr		
	Tantalum 0.7		
	Tellurium nr		
	Terbium 0.9		
	Thorium 12.3		
	Tin nr		
	Tungsten 1		
	Uranium 13.2		
	Ytterbium 4		
	Zinc 100		
	Zirconium nr		

#### Control Statistic Details

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#### Material Description

This material is described as a Composite low grade Cu / Au Ore.

#### Colour Designation (ISCC-NBS, SP440)

This material is light gray in colour.

#### Usage

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

#### Preparation and Packaging

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.

#### Assay Testwork

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.

#### Stability

This product remains stable in its original packaging, away from direct sunlight.

#### Material Safety

This product is not hazardous and non-toxic.

20 Hines Road, O'Connor, Western Australia 6163

Phone : +61 8 9314 2566, Fax : +61 8 9314 3699

e-mail : pjh@geostats.com.au, srr@geostats.com.au

Website <http://www.geostats.com.au>

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