Pty Ltd A

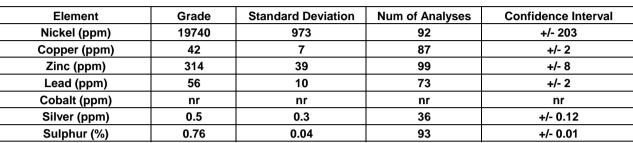
# **GEOSTATS PTY LTD**

Mining Industry Consultants
Reference Material Manufacture and Sales

**Certified Ore Grade Base Metal Reference Material Product Code** 

# GBM920-16

## **Certified Control Values**



Cobalt (ppm)	nr	nr		nr		nr				
Silver (ppm)	0.5	0.3		36		+/- 0.12				
Sulphur (%)	0.76	0.04		93		+/- 0.01				
CRM Details										
				<b>Neutron Activa</b>	tion	Major Eler	nents by			
Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)							
Control statistics were produ	unless otherwise noted)									
round robin. The number of results used to certify each analyte is shown in the Antimony 0.4						Fe	19.86			
table above.				Arsenic	<2.1	SiO <sub>2</sub>	44.88			

## **Material Description**

This material is described as a Laterite Nickel ore Eastern Goldfields.

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

This material is grayish red 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.

Analysis Resul	Fusion / XRF (%)					
unless otherwi						
Antimony	0.4	Fe	19.86			
Arsenic	<2.1	SiO <sub>2</sub>	44.88			
Barium	<191	Al <sub>2</sub> O <sub>3</sub>	3.56			
Bromine	2	TiO <sub>2</sub>	0.17			
Cadmium	<10	MnO	0.47			
Caesium	<3	CaO	0.83			
Calcium (%)	nr	Р	0.009			
Cerium	23	S	0.801			
Chromium	7440	MgO	5.65			
Cobalt	4570	K <sub>2</sub> O	0.071			
Europium	<0.5	Na <sub>2</sub> O	0.21			
Gold (ppb)	13	LOI1000	10.75			
Hafnium	<5					
Iridium (ppb)	<50	Neutron Act	ivation			
Iron (%)	19.2	Analyses ar	nd Fusion /			
Lanthanum	8	XRF Analys	Analyses are			
Lutetium	<0.2	single result	ngle results and are			
Mercury	nr	indicative or	nly. These			
Molybdenum	<10	are provided for matrix				
Neodymium	nr	identification				
Nickel	20500	purposes.				
Potassium (%)	nr					
Rubidium	<54	'nr': Not Rep	orted			
Samarium	2.9	•				
Scandium	17.3					
Selenium	<10					
Silver	<5					
Sodium (%)	0.124					
Strontium	nr					
Tantalum	<2					
Tellurium	<20					
Terbium	<1					
Thorium	<0.5					
Tin	<200					
Tungsten	<4					
Uranium	<2					
Ytterbium	0.8					
Zinc	360					
Zirconium	<500					

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