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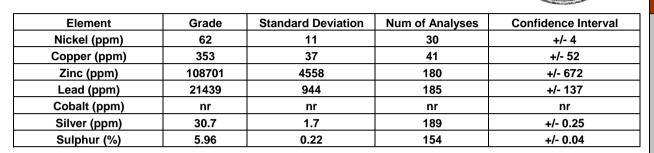
## **GEOSTATS PTY LTD**

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

## **GBM310-13**

## **Certified Control Values**



## **CRM Details**

Control Statistic Details	Neutron Activation Analysis Results (ppm			
Control statistics were produced from results accumulated in the April-2010 &	unless otherwise noted)			
April-2016 round robins. The number of results used to certify each analyte is	Antimony	334	Fe	3.81
shown in the table above.	Arsenic	70.25	SiO <sub>2</sub>	62.81
	Barium	<50	Al <sub>2</sub> O <sub>3</sub>	5.41
Material Description	Bromine	2.8	TiO <sub>2</sub>	0.4
This material is described as a Zinc Ore ex Pilbara.	Cadmium	420	MnO	0.064
	Caesium	2	CaO	0.99
	Calcium (%)	nr	Р	0.032
Colour Designation (ISCC-NBS, SP440)	Cerium	15.5	S	6.02
This material is pinkish gray in colour.	Chromium	86.5	MgO	2.17
	Cobalt	67.7	K <sub>2</sub> O	1.02
<u>Usage</u>	Europium	0.63	Na <sub>2</sub> O	0.188
This product is for use in the mining industry as a reference material for	Gold (ppb)	155	LOI1000	6.73
monitoring and testing the accuracy of laboratory assaying.	Hafnium	1.6		
	Iridium (ppb)	<13	Neutron Activation	
Preparation and Packaging	Iron (%)	3.555	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	7.025	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.226	single results and are	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr		
stable container ready for final packaging.	Molybdenum	<5	indicative only. These	
	Neodymium	nr	are provided for matrix	
Materials are statistically sampled from stores, then packaged into either heat	Nickel	73.4	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	48.5	'nr': Not Reported	
from outside sources during shipment, use and storage.	Samarium	1.47		
	Scandium	11.45		
Assay Testwork	Selenium	2.7		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	30.65		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	0.104		
are compiled into a comprehensive report detailing statistics for each standard.	Strontium	nr		
Assay distributions are checked and processed statistically, producing	Tantalum	1.74		
monitoring statistics for these standards. Materials are tested regularly to ensure	Tellurium	<8.7		
stability and homogeneity.	Terbium	< 0.79		
	Thorium	1.45		
Stability	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	7		
	Uranium	<0.5		
Material Safety	Ytterbium	0.8		
This product is not hazardous and non-toxic.	Zinc	106500		
	Zirconium	<500		

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