×

Major Elements by

Neutron Activation

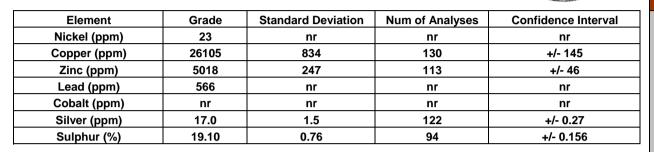
## **GEOSTATS PTY LTD**

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

## **GBM916-12**

## **Certified Control Values**



## **CRM Details**

Neution Activa		uon	wajor ⊑ier	nents by
Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the October-2016	unless otherwise noted)			
round robin. The number of results used to certify each analyte is shown in the	Antimony	11.5	Fe	28.21
table above.	Arsenic	232	SiO <sub>2</sub>	30.06
	Barium	<50	Al <sub>2</sub> O <sub>3</sub>	5.29
Material Description	Bromine	<2	TiO <sub>2</sub>	0.18
This material is described as a Cu / Zn Sulphide Tailings and Feed Composite	Cadmium	13.3	MnO	0.1
ex Western Australia.	Caesium	<1	CaO	1.22
	Calcium (%)	nr	Р	0.053
Colour Designation (ISCC-NBS, SP440)	Cerium	25.6	S	19.1
This material is medium dark gray in colour.	Chromium	<20	MgO	3.41
	Cobalt	516	K <sub>2</sub> O	0.12
Usage	Europium	1.26	Na <sub>2</sub> O	0.11
This product is for use in the mining industry as a reference material for	Gold (ppb)	473	LOI1000	13.52
monitoring and testing the accuracy of laboratory assaying.	Hafnium	<5		l .
	Iridium (ppb)	<50	Neutron Act	ivation
Preparation and Packaging	Iron (%)	29.1	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	12.5	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.31	_	
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	11	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	3		
	Scandium	7.4		
Assay Testwork	Selenium	34		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	17		
This involves assaying by multiple laboratories from around the world. Results	Sodium (%)	0.091		
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	1.8		
Stability	Tin	<200		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	6		
	Uranium	<1		
Material Safety	Ytterbium	<0.833		
This product is not hazardous and non-toxic.	Zinc	5200		
·	Zirconium	<500		
		1000	1	

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