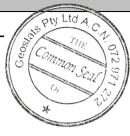
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM310-6

Certified Control Values



Major Elements by

Fusion / VDE (%)

Neutron Activation

Analysis Posults (nom

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval	
Nickel (ppm)	83	6	63	+/- 1.6	
Copper (ppm)	6951	274	75	+/- 63.6	
Zinc (ppm)	46	8	66	+/- 1.9	
Lead (ppm)	146	10	64	+/- 2.5	
Arsenic (ppm)	572	43	64	+/- 10.7	
Cobalt (ppm)	476	39	65	+/- 9.7	
Silver (ppm)	2.6	0.4	66	+/- 0.1	

CRM Details

ontrol Statistic Dotails

Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the April-2010 round	unless otherwise noted)			
robin. The number of results used to certify each analyte is shown in the table	Antimony	0.3	Fe	nr
above.	Arsenic	589	SiO ₂	nr
	Barium	88	Al ₂ O ₃	nr
Material Description	Bromine	<0.5	TiO ₂	nr
This material is described as a Cu / Au Ore.	Cadmium	<5	MnO	nr
	Caesium	<1	CaO	nr
	Calcium (%)	nr	Р	nr
Colour Designation (ISCC-NBS, SP440)	Cerium	182	S	nr
This material is medium light gray in colour.	Chromium	47	MgO	nr
	Cobalt	527	K ₂ O	nr
<u>Usage</u>	Europium	1.73	Na ₂ O	nr
This product is for use in the mining industry as a reference material for	Gold (ppb)	4330	LOI1000	nr
monitoring and testing the accuracy of laboratory assaying.	Hafnium	4.35		
	Iridium (ppb)	<5	Neutron Act	ivation
Preparation and Packaging	Iron (%)	7.94	Analyses and Fusion /	
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	107	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.567	single results and are	
using an air classifier. The material is then homogenised and stored in a sealed,	Mercury	nr	indicative only. These	
stable container ready for final packaging.	Molybdenum	<3	are provided for matrix	
	Neodymium	nr	identification	
Materials are statistically sampled from stores, then packaged into either heat	Nickel	110	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	50	'nr': Not Reported	
from outside sources during shipment, use and storage.	Samarium	12.9		
	Scandium	17.2		
Assay Testwork	Selenium	<2.3		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	2.9		
This involves assaying by multiple laboratories from around the world. Results are	Sodium (%)	1.72		
compiled into a comprehensive report detailing statistics for each standard. Assay	Strontium	nr		
distributions are checked and processed statistically, producing monitoring	Tantalum	0.444		
statistics for these standards. Materials are tested regularly to ensure stability and	Tellurium	<4.3		
homogeneity.	Terbium	1.7		
	Thorium	11.4		
<u>Stability</u>	Tin	<100		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	225		
	Uranium	2.8		
Material Safety	Ytterbium	3.95		
This product is not hazardous and non-toxic.	Zinc	<30		
	Zirconium	<500		

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