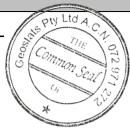
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM302-6

Certified Control Values



Major Elements by

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval	
Nickel (ppm)	87	7	94	+/- 1.4	
Copper (ppm)	610	33	124	+/- 6	
Zinc (ppm)	760	52	117	+/- 9.5	
Lead (ppm)	198	12	101	+/- 2.4	
Arsenic (ppm)	172	18	101	+/- 3.5	
Cobalt (ppm)	18	2	90	+/- 0.5	
Silver (ppm)	3.8	0.6	103	+/- 0.1	

CRM Details

Neutron Activation

Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the April-2002 &	unless otherwise noted)			, ,
April-2006 round robins. The number of results used to certify each analyte is	Antimony	7.995	Fe	nr
shown in the table above.	Arsenic	176	SiO ₂	nr
	Barium	288.5	Al ₂ O ₃	nr
Material Description	Bromine	<0.5	TiO ₂	nr
This material is described as a Gold Sulphide Tail.	Cadmium	nr	MnO	nr
·	Caesium	7.94	CaO	nr
	Calcium (%)	3.46	Р	nr
Colour Designation (ISCC-NBS, SP440)	Cerium	35.7	S	nr
This material is light gray in colour.	Chromium	144	MgO	nr
	Cobalt	18.3	K ₂ O	nr
Usage	Europium	0.69	Na ₂ O	nr
This product is for use in the mining industry as a reference material for	Gold (ppb)	2575	LOI1000	nr
monitoring and testing the accuracy of laboratory assaying.	Hafnium	2.57		
	Iridium (ppb)	<5	Neutron Act	ivation
Preparation and Packaging	Iron (%)	4.27	Analyses ar	nd Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	19.4	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.15	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	24.05	are provided for matrix	
	Neodymium	nr	identification	า
Materials are statistically sampled from stores, then packaged into either heat	Nickel	90	purposes.	
sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready	Potassium (%)	1.98		
for distribution. All packaging has been chosen to ensure minimal contamination	Rubidium	171.5	'nr': Not Rep	oorted
from outside sources during shipment, use and storage.	Samarium	3.04		
	Scandium	10.55		
Assay Testwork	Selenium	<3		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	3		
This involves assaying by multiple laboratories from around the world. Results are	Sodium (%)	1.835		
compiled into a comprehensive report detailing statistics for each standard. Assay	Strontium	nr		
distributions are checked and processed statistically, producing monitoring	Tantalum	<0.5		
statistics for these standards. Materials are tested regularly to ensure stability and	Tellurium	<5		
homogeneity.	Terbium	<0.5		
	Thorium	6.885		
<u>Stability</u>	Tin	<100		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	26.85		
	Uranium	<2		
Material Safety	Ytterbium	1.175		
This product is not hazardous and non-toxic.	Zinc	770		
	Zirconium	<500		

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