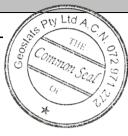
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM306-8

Certified Control Values



Major Elements by

Neutron Activation

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval	
Nickel (ppm)	1099	46	53	+/- 12.9	
Copper (ppm)	5868	264	59	+/- 69.3	
Zinc (ppm)	791	55	58	+/- 14.6	
Lead (ppm)	392	39	55	+/- 10.7	
Arsenic (ppm)	1410	108	54	+/- 29.8	
Cobalt (ppm)	75	7	53	+/- 1.9	
Silver (ppm)	5.6	0.6	55	+/- 0.2	

CRM Details

<u>'</u>	Neutron Activation		wajor Lienients by	
Control Statistic Details	Analysis Results (ppm,		Fusion / XRF (%)	
Control statistics were produced from results accumulated in the April-2006 round	unless otherwi	se noted)		
robin. The number of results used to certify each analyte is shown in the table	Antimony	87.8	Fe	nr
above.	Arsenic	1440	SiO ₂	nr
	Barium	660	Al ₂ O ₃	nr
Material Description	Bromine	0.9	TiO ₂	nr
This material is described as an Oxide/ transition copper material.	Cadmium	nr	MnO	nr
	Caesium	5	CaO	nr
	Calcium (%)	nr	Р	nr
Colour Designation (ISCC-NBS, SP440)	Cerium	45	S	nr
This material is light brown in colour.	Chromium	290	MgO	nr
	Cobalt	83	K ₂ O	nr
<u>Usage</u>	Europium	8.0	Na ₂ O	nr
This product is for use in the mining industry as a reference material for	Gold (ppb)	3400	LOI1000	nr
monitoring and testing the accuracy of laboratory assaying.	Hafnium	3		
	Iridium (ppb)	<15	Neutron Act	rivation
Preparation and Packaging	Iron (%)	7.23	Analyses ar	nd Fusion /
All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry	Lanthanum	23	XRF Analyses are	
material is then pulverised to better than 75 micron (nominal mean of 45 micron)	Lutetium	0.29	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	39	are provided for matrix	
	Neodymium	nr	identification	n
Materials are statistically sampled from stores, then packaged into either heat	Nickel	1200	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	170	'nr': Not Rep	oorted
from outside sources during shipment, use and storage.	Samarium	4.1		
	Scandium	15.2		
Assay Testwork	Selenium	<3		
All standards are tested thoroughly in the Geostats bi-annual laboratory survey.	Silver	5		
This involves assaying by multiple laboratories from around the world. Results are	Sodium (%)	0.67		
compiled into a comprehensive report detailing statistics for each standard. Assay	Strontium	nr		
distributions are checked and processed statistically, producing monitoring	Tantalum	1.2		
statistics for these standards. Materials are tested regularly to ensure stability and	Tellurium	nr		
homogeneity.	Terbium	<0.5		
	Thorium	16		
<u>Stability</u>	Tin	<100		
This product remains stable in its original packaging, away from direct sunlight.	Tungsten	12		
	Uranium	5.4		
Material Safety	Ytterbium	2		
This product is not hazardous and non-toxic.	Zinc	770		
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