

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Ore Grade Base Metal Reference Material Product Code

GBM307-16

Certified Control Values

Ore Grade Base Metal Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Nickel (ppm)	855	65	17	+/- 35
Copper (ppm)	950	61	47	+/- 18
Zinc (ppm)	3668	93	20	+/- 45
Lead (ppm)	2778	76	19	+/- 38
Cobalt (ppm)	nr	nr	nr	nr
Silver (ppm)	nr	nr	nr	nr
Sulphur (%)	27.0	1.7	32	+/- 0.63

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the :

April-2007
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Geostats Pty Ltd Laboratory Round Robin Program.
laboratories (at least) tested this material for base metal content.

Source Material

Prior to homogenisation and testing, this material was sourced from Arsenopyrite Concentrate

Colour Designation

Medium dark gray

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an Air Classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

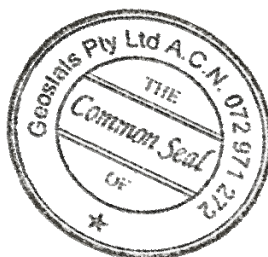
All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world using a variety of methods (including AR, 3AD, 4AD and ICP, AAS and XRF). Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Neutron Activation Analysis Results (ppm)

Antimony	392
Arsenic	95000
Barium	<113
Bromine	<22
Cadmium	<54.4
Cerium	42.2
Caesium	<0.759
Chromium	26.8
Cobalt	110
Europium	<1.75
Gold ppb	49600
Hafnium	2.88
Iridium ppb	<42.1
Iron %	29.8
Lanthanum	19
Lutetium	0.342
Molybdenum	<13.1
Nickel	1100
Rubidium	27
Samarium	5.01
Scandium	5.5
Selenium	<8.56
Sodium %	0.26
Tantalum	0.832
Tellurium	<24.5
Terbium	<0.317
Thorium	2.37
Tin	<242
Tungsten	29
Uranium	<3.59
Ytterbium	<4.62
Zinc	3550
Zirconium	<444
Calcium%	nr
Potassium %	nr
Silver	23
Mercury	nr
Neodymium	nr
Strontium	nr

Major Elements Fusion / XRF (%)

Fe	nr
SiO2	nr
Al2O3	nr
TiO2	nr
MnO	nr
CaO	nr
P	nr
S	nr
MgO	nr
K2O	nr
Na2O	nr
LOI1000	nr



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