

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Multi-Element Reference Material Product Code

GBMS911-4

Certified Control Values

Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Au - FA (ppm)	6.78	0.27	227	+/- 0.035
Au - AR (ppm)	6.73	0.40	84	+/- 0.088
Silver (ppm)	17.9	1.4	55	+/- 0.4
Copper (ppm)	900	58	68	+/- 14
Lead (ppm)	35	6	56	+/- 1.7
Zinc (ppm)	115	17	66	+/- 4.3
Nickel (ppm)	32	9	58	+/- 2.3
Arsenic (ppm)	36	7	49	+/- 1.9
Cobalt (ppm)	54	8	58	+/- 2
Sulphur (%)	0.79	0.06	53	+/- 0.018

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the :
October-2007 Geostats Pty Ltd Laboratory Round Robin Program.
49 laboratories (at least) tested this material for base metal content.

Source Material

Prior to homogenisation and testing, this material was sourced from High Grade gold low sulphide ore

Colour Designation

Light gray

Usage

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

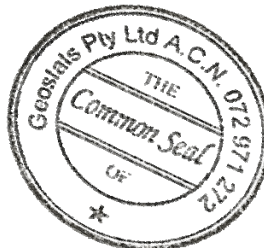
Preparation and Packaging

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 FA, 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	0
Arsenic	38
Barium	1600
Bromine	1
Cadmium	<5
Cerium	140
Caesium	1
Chromium	55
Cobalt	61
Europium	3
Gold ppb	7200
Hafnium	7
Iridium ppb	<50
Iron %	6
Lanthanum	73
Lutetium	1
Molybdenum	8
Nickel	40
Rubidium	74
Samarium	10
Scandium	17
Selenium	<5
Sodium %	2
Tantalum	1
Tellurium	<10
Terbium	1
Thorium	25
Tin	<100
Tungsten	6
Uranium	4
Ytterbium	4
Zinc	140
Zirconium	250
Calcium%	nr
Potassium %	nr
Silver	13
Mercury	nr
Neodymium	nr
Strontium	nr

Major Elements Fusion / XRF (%)

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

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