

GEOSTATS PTY LTD

Sample and Assay Monitoring Services

Certified Multi-Element Reference Material Product Code

GBMS304-2

Certified Control Values

Analyses

Element	Grade	Standard Deviation	No of Analyses	Confidence Interval
Au - FA (ppm)	6.04	0.29	150	0.05
Au - AR (ppm)	5.74	0.46	100	0.09
Silver (ppm)	5.1	0.6	112	0.1
Copper (ppm)	14325	595	179	87.4
Lead (ppm)	820	53	174	7.9
Zinc (ppm)	57	8	159	1.2
Nickel (ppm)	58	7	145	1.2
Arsenic (ppm)	380	37	154	5.9
Cobalt (ppm)	306	27	107	5.0
Sulphur (%)	3.34	0.14	91	0.03

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the :

Multiple	Geostats Pty Ltd Laboratory Round Robin Program.
91	laboratories (at least) tested this material for multi-element content.
1	laboratories tested this material using Neutron Activation Analysis.

Source Material

Prior to homogenisation and testing, this material was sourced from Fresh Basaltic / Quartz Au ore ex South West Australia

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 110 °C. 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, foil pulp packets or screw top sealed glass jars 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. 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	2.27
Arsenic	388.00
Barium	-100.00
Bromine	2.37
Calcium%	6.70
Cerium	250.67
Caesium	-1.00
Chromium	720.33
Cobalt	331.67
Europium	1.88
Gold ppb	5880.00
Hafnium	3.74
Iridium ppb	-20.00
Iron %	4.65
Lanthanum	137.67
Lutetium	0.68
Molybdenum	-5.00
Potassium %	0.70
Rubidium	46.80
Samarium	16.23
Scandium	25.03
Selenium	-5.00
Silver	-5.00
Sodium %	1.70
Tantalum	-1.00
Tellurium	-5.00
Thorium	12.77
Tungsten	13.23
Uranium	-2.00
Ytterbium	5.46
Zinc	-100.00
Zirconium	-500.00

68 Watkins Street, White Gum Valley, Western Australia 6162

Phone : +61 8 9430 9696, Fax : +61 8 9430 9695

e-mail : pjh@geostats.com.au, jcm@geostats.com.au

Website <http://www.geostats.com.au>

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