GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Low Level Gold Reference Material Product Code

GLG902-3

Certified Control Values

Low Level Gold

Gold Grade	17.97 ppb
Standard Deviation	3.89 ppb
Confidence Interval	+/- 0.7 ppb

Geostats Pty Ltd A.C.N. 072 971 272 THE Common Seal OF

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the October-2002, October-2003 & October-2009 round robins. A total of 122 gold assays were used to certify this material.

Material Description

This material is described as a Basalt milled material ex SW Western Australia.

Colour Designation (ISCC-NBS, SP440)

This material is light olive gray in colour.

Usage

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

Preparation and Packaging

All CRMs 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, 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 multiple laboratories from around 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.

Stability

This product remains stable in its original packaging, away from direct sunlight.

Material Safety

This product is not hazardous and non-toxic.

Neutron Activation Analysis Results (ppm, unless otherwise noted)	
Antimony	0.22
Arsenic	3.885
Barium	148
Bromine	<1
Cadmium	<2
Caesium	<0.5
Calcium (%)	6.205
Cerium	26.95
Chromium	144
Cobalt	35.075
Europium	1.76
Gold (ppb)	17.975
Hafnium	3.913
Iridium (ppb)	<20
Iron (%)	8.193
Lanthanum	11.4
Lutetium	0.413
Mercury	nr
Molybdenum	<1
Neodymium	nr
Nickel	44
Potassium (%)	0.4
Rubidium	13
Samarium	5.53
Scandium	28.35
Selenium	<1
Silver	<1
Sodium (%)	2.17
Strontium	nr
Tantalum	0.5
Tellurium	<5
Terbium	1.3
Thorium	1.675
Tin	<50
Tungsten	<1
Uranium	0.3
Ytterbium	3.158
Zinc	130.5
Zirconium	170

Major Elements by Fusion / XRF (%)	
Fe	nr
SiO_2	nr
Al_2O_3	nr
TiO_2	nr
MnO	nr
CaO	nr
P	nr
S	nr
MgO	nr
K_2O	nr
Na_2O	nr
LOI1000	nr

Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.

'nr': Not Reported

20 Hines Road, O'Connor, Western Australia 6163
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699
e-mail : pjh@geostats.com.au, srr@geostats.com.au
Website http://www.geostats.com.au

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