GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Low Level Gold Reference Material Product Code

GLG901-3

Certified Control Values

Low Level Gold

Gold Grade	53.90 ppb
Standard Deviation	7.01 ppb
Confidence Interval	+/- 1.35 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-2001, April-2003 & April-2006 round robins. A total of 107 gold assays were used to certify this material.

Material Description

This material is described as a Milled Soil material Eastern Goldfields.

Colour Designation (ISCC-NBS, SP440)

This material is pale reddish brown 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	10.418
Arsenic	25.875
Barium	<50
Bromine	0.7
Cadmium	<5
Caesium	16.45
Calcium (%)	1.07
Cerium	9.186
Chromium	40.638
Cobalt	59.675
Europium	<1
Gold (ppb)	38.988
Hafnium	8.043
Iridium (ppb)	<50
Iron (%)	3.196
Lanthanum	4.031
Lutetium	0.208
Mercury	nr
Molybdenum	29.938
Neodymium	nr
Nickel	65
Potassium (%)	4.63
Rubidium	705
Samarium	1.054
Scandium	3.878
Selenium	<5
Silver	<5
Sodium (%)	1.665
Strontium	nr
Tantalum	<1.00
Tellurium	<10
Terbium	<0.50
Thorium	4.998
Tin	<100
Tungsten	<3
Uranium	1.95
Ytterbium	1.881
Zinc	<100
Zirconium	<500

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

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