GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

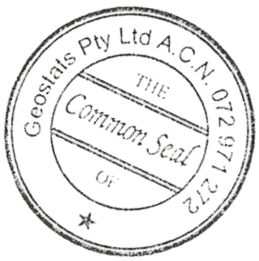
Certified Low Level Gold Reference Material Product Code

GLG320-5

Certified Control Values

Low Level Gold

Gold Grade	53.12 ppb
Standard Deviation	4.95 ppb
Confidence Interval	+/- 0.75 ppb



CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the October-2008, April-2009 & April-2020 round robins. A total of 171 gold assays were used to certify this material.

Material Description

This material is described as a Low grade cap material.

Colour Designation (ISCC-NBS, SP440)

This material is pale red 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	0.8
Arsenic	<0.5
Barium	386
Bromine	<2
Cadmium	<10
Caesium	3
Calcium (%)	nr
Cerium	43
Chromium	112
Cobalt	43
Europium	1.3
Gold (ppb)	54
Hafnium	<5
Iridium (ppb)	<50
Iron (%)	5.9
Lanthanum	20
Lutetium	0.4
Mercury	nr
Molybdenum	<10
Neodymium	nr
Nickel	56
Potassium (%)	nr
Rubidium	112
Samarium	4.6
Scandium	19.8
Selenium	<10
Silver	<5
Sodium (%)	2.45
Strontium	nr
Tantalum	2
Tellurium	<20
Terbium	1
Thorium	13.3
Tin	<200
Tungsten	<5
Uranium	6
Ytterbium	2.7
Zinc	<200
Zirconium	<500

Major Elements by Fusion / XRF (%)	
Fe	5.71
SiO_2	61.1
Al_2O_3	14.33
TiO_2	1.1
MnO	0.12
CaO	5.54
P	0.055
S	0.05
MgO	3.33
K_2O	2.28
Na_2O	3.4
LOI1000	0.59

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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