

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Low Level Gold Reference Material Product Code

GLG307-3

Certified Control Values

Low Level Gold

Gold Grade	2.83 ppb
Standard Deviation	1.80 ppb
Confidence Interval	+/- 0.42 ppb



CRM Details

<u>Control Statistic Details</u>	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
	Control statistics were produced from results accumulated in the April-2007, April-2008 & April-2009 round robins. A total of 74 gold assays were used to certify this material.	Antimony	<0.1	Fe
<u>Material Description</u> This material is described as a Barren granite.	Arsenic	0.6	SiO ₂	nr
	Barium	2625	Al ₂ O ₃	nr
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is very light gray in colour.	Bromine	0.7	TiO ₂	nr
	Cadmium	<2	MnO	nr
<u>Usage</u> This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.	Caesium	1.4	CaO	nr
	Calcium (%)	nr	P	nr
<u>Preparation and Packaging</u> 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.	Cerium	220	S	nr
	Chromium	36.25	MgO	nr
<u>Assay Testwork</u> 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.	Cobalt	10.75	K ₂ O	nr
	Europium	2.05	Na ₂ O	nr
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	1	LOI1000	nr
	Hafnium	10	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
Iridium (ppb)	<20			
<u>Material Safety</u> This product is not hazardous and non-toxic.	Iron (%)	3.625	nr: Not Reported	
	Lanthanum	122.5		
	Lutetium	0.575		
	Mercury	nr		
	Molybdenum	1.7		
	Neodymium	nr		
	Nickel	20.25		
	Potassium (%)	nr		
	Rubidium	125		
	Samarium	14.775		
	Scandium	8.1		
	Selenium	<1		
	Silver	<1		
	Sodium (%)	2.708		
	Strontium	nr		
	Tantalum	1.6		
	Tellurium	<10		
	Terbium	1.85		
	Thorium	43.175		
	Tin	63		
	Tungsten	2		
	Uranium	5.575		
	Ytterbium	3.7		
	Zinc	92		
	Zirconium	322.5		

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