

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

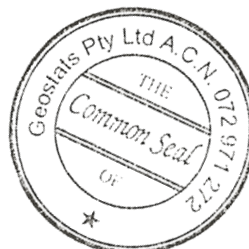
Certified Low Level Gold Reference Material Product Code

GLG312-2

Certified Control Values

Low Level Gold

Gold Grade 2.78 ppb
Standard Deviation 1.41 ppb
Confidence Interval +/- 0.33 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-2012 round robin. A total of 72 gold assays were used to certify this material.	Antimony	2.955	Fe
<u>Material Description</u> This material is described as a Laterite.	Arsenic	24.25	SiO ₂	21.72
	Barium	50	Al ₂ O ₃	33.72
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is moderate reddish brown in colour.	Bromine	5.35	TiO ₂	1.539
	Cadmium	<10	MnO	0.05
<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	0.6	CaO	0.02
	Calcium (%)	nr	P	0.013
<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	26.5	S	0.058
	Chromium	185	MgO	0.02
<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	1.83	K ₂ O	0.175
	Europium	0.2	Na ₂ O	0.026
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	<2	LOI1000	17.64
	Hafnium	14.15	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
<u>Material Safety</u> This product is not hazardous and non-toxic.	Iridium (ppb)	<10	nr: Not Reported	
	Iron (%)	16.6		
	Lanthanum	5		
	Lutetium	0.2		
	Mercury	nr		
	Molybdenum	22		
	Neodymium	nr		
	Nickel	10		
	Potassium (%)	nr		
	Rubidium	20		
	Samarium	0.75		
	Scandium	12.15		
	Selenium	<5		
	Silver	<1		
	Sodium (%)	0.011		
	Strontium	nr		
	Tantalum	2.45		
	Tellurium	<10		
	Terbium	<0.5		
	Thorium	87.75		
	Tin	<100		
	Tungsten	4.5		
	Uranium	6.7		
	Ytterbium	0.445		
	Zinc	<10		
	Zirconium	460		

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