

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

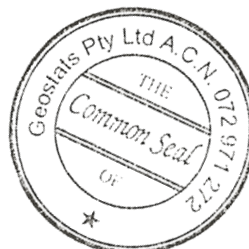
Certified Low Level Gold Reference Material Product Code

GLG314-5

Certified Control Values

Low Level Gold

Gold Grade	95.23 ppb
Standard Deviation	6.12 ppb
Confidence Interval	+/- 1.3 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-2014 round robin. A total of 88 gold assays were used to certify this material.	Antimony	0.5	Fe
<u>Material Description</u> This material is described as an Oxide Waste Material.	Arsenic	5	SiO ₂	54.96
	Barium	410	Al ₂ O ₃	18.33
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale red in colour.	Bromine	1.4	TiO ₂	1.11
	Cadmium	<5	MnO	0.08
<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	2.2	CaO	4.29
	Calcium (%)	nr	P	0.05
<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	52	S	0.044
	Chromium	140	MgO	2.42
<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	19	K ₂ O	1.8
	Europium	1	Na ₂ O	2.52
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	100	LOI1000	3.97
	Hafnium	7	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)	<50	nr: Not Reported	
	Iron (%)	8.4		
	Lanthanum	23		
	Lutetium	<0.2		
	Mercury	nr		
	Molybdenum	21		
	Neodymium	nr		
	Nickel	25		
	Potassium (%)	nr		
	Rubidium	100		
	Samarium	4		
	Scandium	19.7		
	Selenium	<5		
	Silver	<2		
	Sodium (%)	2.33		
	Strontium	nr		
	Tantalum	2		
	Tellurium	nr		
	Terbium	0.9		
	Thorium	35.4		
	Tin	nr		
	Tungsten	1		
	Uranium	8.1		
	Ytterbium	<2		
	Zinc	100		
	Zirconium	nr		

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