

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

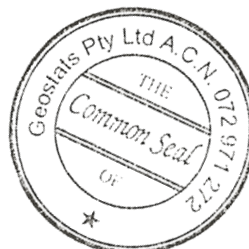
Certified Low Level Gold Reference Material Product Code

GLG313-4

Certified Control Values

Low Level Gold

Gold Grade 183.83 ppb
Standard Deviation 12.68 ppb
Confidence Interval +/- 2.94 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-2013 round robin. A total of 75 gold assays were used to certify this material.	Antimony	0.605	Fe
<u>Material Description</u> This material is described as a Low grade Oxide Materials.	Arsenic	5.42	SiO ₂	54.82
	Barium	343	Al ₂ O ₃	18.85
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is grayish orange pink in colour.	Bromine	1.56	TiO ₂	1.133
	Cadmium	<1.7	MnO	0.09
<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	1.65	CaO	4.21
	Calcium (%)	nr	P	0.047
<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	37	S	0.043
	Chromium	111	MgO	2.45
<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	13	K ₂ O	1.77
	Europium	1.02	Na ₂ O	2.502
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	202	LOI1000	4.03
	Hafnium	6.01	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)	<7.39	nr: Not Reported	
	Iron (%)	7.53		
	Lanthanum	18.7		
	Lutetium	0.276		
	Mercury	nr		
	Molybdenum	16.2		
	Neodymium	nr		
	Nickel	16.5		
	Potassium (%)	nr		
	Rubidium	85.8		
	Samarium	3.85		
	Scandium	17.6		
	Selenium	<1.99		
	Silver	1.48		
	Sodium (%)	1.94		
	Strontium	nr		
	Tantalum	1.62		
	Tellurium	<4.06		
	Terbium	0.734		
	Thorium	31.2		
	Tin	<52.9		
	Tungsten	<1.3		
	Uranium	7.85		
	Ytterbium	1.89		
	Zinc	56.6		
	Zirconium	220		

20 Hines Road, O'Connor, Western Australia 6163

Phone : +61 8 9314 2566, Fax : +61 8 9314 3699

e-mail : pjh@geostats.com.au, srr@geostats.com.au

Website <http://www.geostats.com.au>

GLG313-4

Geostats Pty Ltd, Certified Low Level Gold Reference Material, Product Code: