

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Low Level Gold Reference Material Product Code

GLG302-4

Certified Control Values

Low Level Gold

Gold Grade 3.23 ppb
Standard Deviation 1.27 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-2002 & April-2010 round robins. A total of 62 gold assays were used to certify this material.	Antimony	6.755	Fe
<u>Material Description</u> This material is described as a Milled Siliceous Material.	Arsenic	3.575	SiO ₂	nr
	Barium	<50	Al ₂ O ₃	nr
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale reddish brown in colour.	Bromine	0.5	TiO ₂	nr
	Cadmium	<5	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	13.8	CaO	nr
	Calcium (%)	<1	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	6.48	S	nr
	Chromium	20.15	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	2.22	K ₂ O	nr
	Europium	0.1	Na ₂ O	nr
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	3	LOI1000	nr
	Hafnium	4.49		
<u>Material Safety</u> This product is not hazardous and non-toxic.	Iridium (ppb)	<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%)	4.18	nr: Not Reported	
	Lanthanum	2.165		
	Lutetium	0.09		
	Mercury	nr		
	Molybdenum	1		
	Neodymium	nr		
	Nickel	<100		
	Potassium (%)	4.18		
	Rubidium	577.5		
	Samarium	0.474		
	Scandium	2.81		
	Selenium	<1.1		
	Silver	<0.81		
	Sodium (%)	1.245		
	Strontium	nr		
	Tantalum	0.465		
	Tellurium	<2		
	Terbium	<0.16		
	Thorium	6.755		
	Tin	<100		
	Tungsten	2		
	Uranium	1.5		
	Ytterbium	0.609		
	Zinc	<50		
	Zirconium	<500		

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>

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