

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

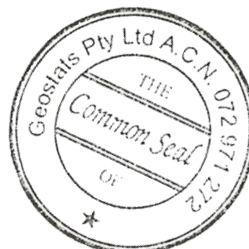
Certified Low Level Gold Reference Material Product Code

GLG912-4

Certified Control Values

Low Level Gold

Gold Grade 1347.04 ppb
Standard Deviation 71.15 ppb
Confidence Interval +/- 16.15 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 October-2012 round robin. A total of 78 gold assays were used to certify this material.	Antimony	1.3	Fe
<u>Material Description</u> This material is described as an Oxide Ore Low Grade.	Arsenic	10.2	SiO ₂	47.48
	<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale reddish brown in colour.	Barium	270	Al ₂ O ₃
<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.		Bromine	3.2	TiO ₂
	<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.	Cadmium	<5	MnO
<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.		Caesium	1.3	CaO
	<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P
<u>Material Safety</u> This product is not hazardous and non-toxic.		Cerium	34	S
	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>	Chromium	119	MgO
<u>Major Elements by Fusion / XRF (%)</u>		Cobalt	12	K ₂ O
		Europium	0.7	Na ₂ O
		Gold (ppb)	1300	LOI1000
		Hafnium	8	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.
		Iridium (ppb)	<10	'nr': Not Reported
		Iron (%)	9.18	
		Lanthanum	15	
		Lutetium	0.3	
		Mercury	nr	
		Molybdenum	25	
		Neodymium	nr	
		Nickel	21	
		Potassium (%)	nr	
		Rubidium	87	
		Samarium	3	
		Scandium	14.7	
		Selenium	<2	
		Silver	4	
		Sodium (%)	1.34	
		Strontium	nr	
		Tantalum	1.9	
		Tellurium	<10	
		Terbium	0.5	
		Thorium	44	
		Tin	<200	
		Tungsten	<2	
		Uranium	8.3	
		Ytterbium	2.1	
		Zinc	45	
		Zirconium	<500	

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