

GEOSTATS PTY LTD
Mining Industry Consultants
Reference Material Manufacture and Sales

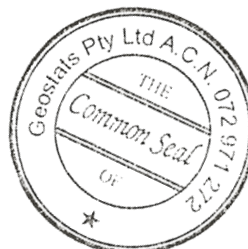
Certified Low Level Gold Reference Material Product Code

GLG312-4

Certified Control Values

Low Level Gold

Gold Grade 18.33 ppb
Standard Deviation 2.87 ppb
Confidence Interval +/- 0.71 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 66 gold assays were used to certify this material.	Antimony 2.19	Fe 9.81	
	Arsenic 12.3	SiO ₂ 44.31	
	Barium 340	Al ₂ O ₃ 24.16	
	Bromine 3.6	TiO ₂ 1.01	
	Cadmium <10	MnO 0.08	
	Caesium 2.1	CaO 1.74	
	Calcium (%) nr	P 0.019	
	Cerium 37	S 0.048	
	Chromium 120	MgO 1.11	
	Cobalt 8.3	K ₂ O 1.75	
	Europium 0.5	NazO 1.9	
	Gold (ppb) 15	LOI1000 9.18	
	Hafnium 8.7		
	Iridium (ppb) <10	Neutron Activation	
	Iron (%) 10	Analyses and Fusion /	
	Lanthanum 17	XRF Analyses are	
	Lutetium 0.3	single results and are	
	Mercury nr	indicative only. These	
	Molybdenum <5	are provided for matrix	
	Neodymium nr	identification	
	Nickel 20	purposes.	
	Potassium (%) nr		
	Rubidium 90	'nr': Not Reported	
	Samarium 2.1		
	Scandium 12.7		
	Selenium <5		
	Silver <1		
	Sodium (%) 1.38		
	Strontium nr		
	Tantalum 2		
	Tellurium <10		
	Terbium <0.5		
	Thorium 52.3		
	Tin <100		
	Tungsten 2		
	Uranium 9.2		
	Ytterbium 1.36		
	Zinc 26		
	Zirconium 240		
<u>Material Description</u> This material is described as a Milled mine waste.			
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale reddish brown in colour.			
<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.			
<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.			
<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.			
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.			
<u>Material Safety</u> This product is not hazardous and non-toxic.			

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