

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

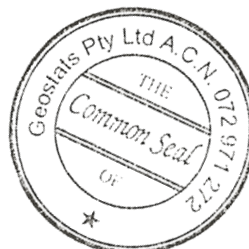
Certified Low Level Gold Reference Material Product Code

GLG911-4

Certified Control Values

Low Level Gold

Gold Grade	4.65 ppb
Standard Deviation	3.73 ppb
Confidence Interval	+/- 1.19 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-2011 round robin. A total of 41 gold assays were used to certify this material.	Antimony 1.6	Fe	9.04
	Arsenic 1	SiO ₂	51.54
	Barium 200	Al ₂ O ₃	14.88
	Bromine <0.5	TiO ₂	1.861
	Cadmium <10	MnO	0.16
	Caesium <0.5	CaO	9.51
	Calcium (%) nr	P	0.09
	Cerium 24	S	0.055
	Chromium 190	MgO	5.34
	Cobalt 40	K ₂ O	0.377
	Europium 1.8	Na ₂ O	2.919
	Gold (ppb) <2	LOI1000	0.15
	Hafnium 3.6		
	Iridium (ppb) <20	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%) 9	'nr': Not Reported	
	Lanthanum 10		
	Lutetium 0.48		
	Mercury nr		
	Molybdenum <5		
	Neodymium nr		
	Nickel 40		
	Potassium (%) nr		
	Rubidium 10		
	Samarium 5.2		
	Scandium 32.7		
	Selenium <5		
	Silver <2		
	Sodium (%) 2.12		
	Strontium nr		
	Tantalum <0.5		
	Tellurium <10		
	Terbium 1		
	Thorium 1		
	Tin <200		
	Tungsten <2		
	Uranium 0.4		
	Ytterbium 3.1		
	Zinc 120		
	Zirconium <500		
<u>Material Description</u> This material is described as an Oxidised basalt.			
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale red 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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