

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G910-3

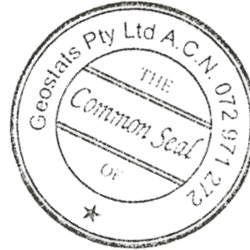
Certified Control Values

50 gram Fire Assay

Gold Grade 4.02 ppm
Standard Deviation 0.17 ppm
Confidence Interval +/- 0.029 ppm

Aqua Regia Digest

Gold Grade 4.03 ppm
Standard Deviation 0.15 ppm
Confidence Interval +/- 0.04 ppm



CRM Details

<u>Control Statistic Details</u>	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>	<u>Major Elements by Fusion / XRF (%)</u>	
<p>Control statistics were produced from results accumulated in the October-2010 round robin. A total of 140 fire assay results and 58 results from an aqua regia technique were used to certify this material.</p>	Antimony 0.759	Fe	4.49
<p><u>Material Description</u> This material is described as a Run of mine ore. low sulphide.</p>	Arsenic 0.394	SiO ₂	63.23
<p><u>Colour Designation (ISCC-NBS, SP440)</u> This material is light brownish gray in colour.</p>	Barium 533	Al ₂ O ₃	14.94
<p><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.</p>	Bromine 0.619	TiO ₂	1.277
<p><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.</p>	Cadmium <5	MnO	0.09
<p><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.</p>	Caesium 3.49	CaO	4.7
<p><u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.</p>	Calcium (%) nr	P	0.048
<p><u>Material Safety</u> This product is not hazardous and non-toxic.</p>	Cerium 38.8	S	0.02
	Chromium 98	MgO	2.35
	Cobalt 17.7	K ₂ O	2.64
	Europium 1.09	NazO	3.642
	Gold (ppb) 4200	LOI1000	0.41
	Hafnium 4.61		
	Iridium (ppb) <10		
	Iron (%) 4.36		
	Lanthanum 26.1		
	Lutetium 0.403		
	Mercury nr		
	Molybdenum 5.04		
	Neodymium nr		
	Nickel 19.9		
	Potassium (%) nr		
	Rubidium 133		
	Samarium 4.1		
	Scandium 15.4		
	Selenium <5		
	Silver 4.8		
	Sodium (%) 2.61		
	Strontium nr		
	Tantalum 2.31		
	Tellurium <10		
	Terbium 0.842		
	Thorium 18.1		
	Tin <100		
	Tungsten <2		
	Uranium 9.04		
	Ytterbium 2.59		
	Zinc 81.4		
	Zirconium <200		

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