

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G398-6

Certified Control Values

50 gram Fire Assay

Gold Grade 2.94 ppm
Standard Deviation 0.16 ppm
Confidence Interval +/- 0.024 ppm

Aqua Regia Digest

Gold Grade 2.86 ppm
Standard Deviation 0.18 ppm
Confidence Interval +/- 0.036 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>	
Control statistics were produced from results accumulated in the April-1998 & April-2006 round robins. A total of 179 fire assay results and 95 results from an aqua regia technique were used to certify this material.	Antimony 19.25	Fe	nr
<u>Material Description</u> This material is described as a Mine Ore low sulphide, low copper.	Arsenic 142.5	SiO ₂	nr
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is pale yellowish brown in colour.	Barium 189	Al ₂ O ₃	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.	Bromine 3.535	TiO ₂	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.	Cadmium nr	MnO	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.	Caesium 11.9	CaO	nr
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Calcium (%) 4.72	P	nr
<u>Material Safety</u> This product is not hazardous and non-toxic.	Cerium 21.1	S	nr
	Chromium 93.2	MgO	nr
	Cobalt 52.95	K ₂ O	nr
	Europium 1.155	NazO	nr
	Gold (ppb) 2990	LOI1000	nr
	Hafnium 1.795		
	Iridium (ppb) <15	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%) 9.405	'nr': Not Reported	
	Lanthanum 8.835		
	Lutetium 0.44		
	Mercury nr		
	Molybdenum 3		
	Neodymium nr		
	Nickel 160		
	Potassium (%) 1.47		
	Rubidium 75.9		
	Samarium 3.93		
	Scandium 38.2		
	Selenium <3		
	Silver <5		
	Sodium (%) 1.57		
	Strontium nr		
	Tantalum <1		
	Tellurium <5		
	Terbium 1.7		
	Thorium 1.035		
	Tin <100		
	Tungsten 36.05		
	Uranium <2		
	Ytterbium 3.33		
	Zinc 150		
	Zirconium <500		

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