

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G398-10

## Certified Control Values

### 50 gram Fire Assay

Gold Grade 4.07 ppm  
Standard Deviation 0.19 ppm  
Confidence Interval +/- 0.018 ppm

### Aqua Regia Digest

Gold Grade 3.99 ppm  
Standard Deviation 0.21 ppm  
Confidence Interval +/- 0.031 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, October-2006 & October-2007 round robins. A total of 405 fire assay results and 180 results from an aqua regia technique were used to certify this	Antimony	6.173	Fe	nr
	Arsenic	294.5	SiO <sub>2</sub>	nr
	Barium	349.5	Al <sub>2</sub> O <sub>3</sub>	nr
	Bromine	2.338	TiO <sub>2</sub>	nr
	Cadmium	<5	MnO	nr
	Caesium	7.095	CaO	nr
	Calcium (%)	3.43	P	nr
	Cerium	31.775	S	nr
	Chromium	601.375	MgO	nr
	Cobalt	84.475	K <sub>2</sub> O	nr
	Europium	1.025	Na <sub>2</sub> O	nr
	Gold (ppb)	3998.75	LOI1000	nr
	Hafnium	7.663		
	Iridium (ppb)	<50	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%)	7.895	nr: Not Reported	
	Lanthanum	20.9		
	Lutetium	0.319		
	Mercury	nr		
	Molybdenum	16.488		
	Neodymium	nr		
	Nickel	1832.5		
	Potassium (%)	1.34		
	Rubidium	214.625		
	Samarium	3.064		
	Scandium	14.438		
	Selenium	<15		
	Silver	<5		
	Sodium (%)	1.191		
	Strontium	nr		
	Tantalum	43.4		
	Tellurium	<10		
	Terbium	<0.5		
	Thorium	6.349		
	Tin	<100		
	Tungsten	15.588		
	Uranium	1.15		
	Ytterbium	<2		
	Zinc	210.125		
	Zirconium	<500		
<u>Material Description</u> This material is described as a Composite bulk ore. Minor sulphide with cap rock.				
<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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