

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G906-1

## Certified Control Values

### 50 gram Fire Assay

Gold Grade 1.67 ppm  
Standard Deviation 0.09 ppm  
Confidence Interval +/- 0.017 ppm

### Aqua Regia Digest

Gold Grade 1.64 ppm  
Standard Deviation 0.11 ppm  
Confidence Interval +/- 0.034 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 October-2006 round robin. A total of 111 fire assay results and 45 results from an aqua regia technique were used to certify this material.	Antimony	0.727	Fe	nr
	Arsenic	0.281	SiO <sub>2</sub>	nr
	Barium	111	Al <sub>2</sub> O <sub>3</sub>	nr
	Bromine	<0.21	TiO <sub>2</sub>	nr
	Cadmium	nr	MnO	nr
	Caesium	56.5	CaO	nr
	Calcium (%)	nr	P	nr
	Cerium	16.6	S	nr
	Chromium	62.4	MgO	nr
	Cobalt	17.5	K <sub>2</sub> O	nr
	Europium	<0.582	Na <sub>2</sub> O	nr
	Gold (ppb)	1800	LOI1000	nr
	Hafnium	3.58		
	Iridium (ppb)	<12	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%)	3.61	nr: Not Reported	
	Lanthanum	3.83		
	Lutetium	0.219		
	Mercury	nr		
	Molybdenum	13.5		
	Neodymium	<5.89		
	Nickel	10.9		
	Potassium (%)	nr		
	Rubidium	1360		
	Samarium	2.34		
	Scandium	12.4		
	Selenium	<2.92		
	Silver	8.75		
	Sodium (%)	1.32		
	Strontium	<12.2		
	Tantalum	0.533		
	Tellurium	nr		
	Terbium	0.603		
	Thorium	0.647		
	Tin	<49.5		
	Tungsten	<0.535		
	Uranium	0.383		
	Ytterbium	1.02		
	Zinc	67.5		
	Zirconium	nr		
<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 grayish pink 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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