

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G909-8

## Certified Control Values

### 50 gram Fire Assay

Gold Grade 34.18 ppm  
Standard Deviation 1.39 ppm  
Confidence Interval +/- 0.24 ppm

### Aqua Regia Digest

Gold Grade 33.64 ppm  
Standard Deviation 1.52 ppm  
Confidence Interval +/- 0.424 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-2009 round robin. A total of 132 fire assay results and 53 results from an aqua regia technique were used to certify this material.	Antimony	<0.1	Fe	nr
	Arsenic	<0.5	SiO <sub>2</sub>	nr
	Barium	400	Al <sub>2</sub> O <sub>3</sub>	nr
	Bromine	<1	TiO <sub>2</sub>	nr
	Cadmium	<2	MnO	nr
	Caesium	2.1	CaO	nr
	Calcium (%)	nr	P	nr
	Cerium	35	S	nr
	Chromium	150	MgO	nr
	Cobalt	27	K <sub>2</sub> O	nr
	Europium	1.2	Na <sub>2</sub> O	nr
	Gold (ppb)	36200	LOI1000	nr
	Hafnium	5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.  'nr': Not Reported	
	Iridium (ppb)	<20		
	Iron (%)	6		
	Lanthanum	19		
	Lutetium	0.41		
	Mercury	nr		
	Molybdenum	41		
	Neodymium	nr		
	Nickel	56		
	Potassium (%)	nr		
	Rubidium	93		
	Samarium	4.4		
	Scandium	23.8		
	Selenium	<4		
	Silver	62		
	Sodium (%)	2.4		
	Strontium	nr		
	Tantalum	2.3		
	Tellurium	<10		
	Terbium	0.9		
	Thorium	11.6		
	Tin	<50		
	Tungsten	2		
	Uranium	6.4		
	Ytterbium	1.5		
	Zinc	140		
	Zirconium	<100		
<u>Material Description</u> This material is described as a Very High gold ore low sulphide.				
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is light olive gray 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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