

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G906-8

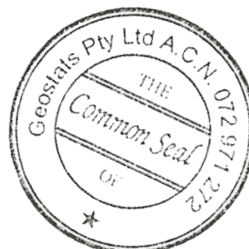
## Certified Control Values

### 50 gram Fire Assay

Gold Grade 7.24 ppm  
Standard Deviation 0.27 ppm  
Confidence Interval +/- 0.053 ppm

### Aqua Regia Digest

Gold Grade 7.26 ppm  
Standard Deviation 0.45 ppm  
Confidence Interval +/- 0.14 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 105 fire assay results and 44 results from an aqua regia technique were used to certify this material.	Antimony	0.053	Fe
<u>Material Description</u> This material is described as a Minor Sulphide Composite Ore.	Arsenic	<0.204	SiO <sub>2</sub>	nr
	<u>Colour Designation (ISCC-NBS, SP440)</u> This material is very light gray in colour.	Barium	93.5	Al <sub>2</sub> O <sub>3</sub>
<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	0.226	TiO <sub>2</sub>
	<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
<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	51.3	CaO
	<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P
<u>Material Safety</u> This product is not hazardous and non-toxic.		Cerium	15.9	S
	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>	Chromium	77.8	MgO
<u>Major Elements by Fusion / XRF (%)</u>		Cobalt	17.6	K <sub>2</sub> O
		Europium	<0.522	NazO
		Gold (ppb)	7500	LOI1000
		Hafnium	2.15	
		Iridium (ppb)	<10.8	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.
		Iron (%)	3.11	'nr': Not Reported
		Lanthanum	4.14	
		Lutetium	0.41	
		Mercury	nr	
		Molybdenum	20.3	
		Neodymium	<6.6	
		Nickel	12.2	
		Potassium (%)	nr	
		Rubidium	1320	
		Samarium	2.2	
		Scandium	12.5	
		Selenium	<3.75	
		Silver	8.67	
		Sodium (%)	1.4	
		Strontium	<11	
		Tantalum	0.496	
		Tellurium	nr	
		Terbium	0.428	
		Thorium	0.53	
		Tin	<55.4	
		Tungsten	<0.374	
		Uranium	0.382	
		Ytterbium	<0.569	
		Zinc	59	
		Zirconium	nr	

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