

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G900-10

Certified Control Values

50 gram Fire Assay	
Gold Grade	13.85 ppm
Standard Deviation	0.53 ppm
Confidence Interval	+/- 0.121 ppm

Aqua Regia Digest	
Gold Grade	13.85 ppm
Standard Deviation	0.70 ppm
Confidence Interval	+/- 0.204 ppm



CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the :

<u>October-2000</u>	Geostats Pty Ltd Laboratory Round Robin Program.
<u>79</u>	laboratories tested this material using 50 gram Fire Assay.
<u>49</u>	laboratories tested it using an Aqua Regia Technique.

Source Material

Prior to homogenisation and testing, this material was sourced from High Grade ore in the Eastern Goldfields Minor sulphide

Colour Designation

Light olive gray

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

All standards are dried in an oven for a minimum of 12 hours at 110C. 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.

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across 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.

Neutron Activation Analysis Results (ppm)		Major Elements Fusion / XRF (%)	
Antimony	1.14	Fe	nr
Arsenic	59	SiO2	nr
Barium	<100	Al2O3	nr
Bromine	<1	TiO2	nr
Cadmium	nr	MnO	nr
Cerium	14.6	CaO	nr
Caesium	39.5	P	nr
Chromium	82.4	S	nr
Cobalt	22.6	MgO	nr
Europium	0.69	K2O	nr
Gold ppb	13800	Na2O	nr
Hafnium	4.7	LOI1000	nr
Iridium ppb	<20		
Iron %	3.52		
Lanthanum	6.18		
Lutetium	<0.2		
Molybdenum	<5		
Nickel	nr		
Rubidium	1400		
Samarium	2.48		
Scandium	11.1		
Selenium	<5		
Sodium %	2.69		
Tantalum	<1		
Tellurium	<5		
Terbium	nr		
Thorium	0.76		
Tin	nr		
Tungsten	2.75		
Uranium	<2		
Ytterbium	1.41		
Zinc	<100		
Zirconium	<500		
Calcium%	2.11		
Potassium %	5.49		
Silver	<5		
Mercury	nr		
Neodymium	nr		
Strontium	nr		

10A Marsh Close, O'Connor, Western Australia 6163
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699
e-mail : pjh@geostats.com.au, srr@geostats.com.au
Website <http://www.geostats.com.au>

G900-10

Geostats Pty Ltd, Certified Gold Reference Material, Product Code :