

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G901-1

Certified Control Values

50 gram Fire Assay

Gold Grade	2.58 ppm
Standard Deviation	0.13 ppm
Confidence Interval	+/- 0.027 ppm

Aqua Regia Digest

Gold Grade	2.50 ppm
Standard Deviation	0.18 ppm
Confidence Interval	+/- 0.047 ppm



CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm)		Major Elements Fusion / XRF (%)	
	<p>Control statistics were produced from results accumulated in the : <u>October-2001</u> Geostats Pty Ltd Laboratory Round Robin Program. <u>92</u> laboratories tested this material using 50 gram Fire Assay. <u>59</u> laboratories tested it using an Aqua Regia Technique.</p> <p>Source Material Prior to homogenisation and testing, this material was sourced from Transition gold ore - Eastern Goldfields</p> <p>Colour Designation Light olive gray</p> <p>Usage This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.</p> <p>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.</p> <p>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.</p> <p>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.</p>	Antimony 137 Arsenic 866 Barium 781 Bromine 2.24 Cadmium nr Cerium 46.3 Caesium 3.38 Chromium 322 Cobalt 112 Europium 1.04 Gold ppb 2470 Hafnium 2.54 Iridium ppb <20 Iron % 5.66 Lanthanum 22.8 Lutetium 0.21 Molybdenum 14.2 Nickel nr Rubidium 102 Samarium 4.18 Scandium 16.4 Selenium <5 Sodium % 1.74 Tantalum <1 Tellurium <5 Terbium nr Thorium 5.08 Tin nr Tungsten 18.5 Uranium <2 Ytterbium 1.46 Zinc 288 Zirconium <500 Calcium% 2.18 Potassium % 2.16 Silver <5 Mercury nr Neodymium nr Strontium nr	Fe nr SiO2 nr Al2O3 nr TiO2 nr MnO nr CaO nr P nr S nr MgO nr K2O nr Na2O nr LOI1000 nr	

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