

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

**Certified Gold Reference Material Product Code**

## G311-10

**Certified Control Values**

**50 gram Fire Assay**

Gold Grade	7.32 ppm
Standard Deviation	0.28 ppm
Confidence Interval	+/- 0.047 ppm

**Aqua Regia Digest - This material is not suitable for aqua regia analysis**

Gold Grade	5.54 ppm
Standard Deviation	1.96 ppm
Confidence Interval	+/- 0.482 ppm



**CRM Details**

<b>Control Statistic Details</b>	<b>Neutron Activation Analysis Results (ppm)</b>		<b>Major Elements Fusion / XRF (%)</b>	
	<p>Control statistics were produced from results accumulated in the :  <u>April 2011</u> Geostats Pty Ltd Laboratory Round Robin Program.  <u>134</u> laboratories tested this material using 50 gram Fire Assay.  <u>67</u> laboratories tested it using an Aqua Regia Technique.</p> <p><b>Source Material</b>                      Prior to homogenisation and testing, this material was sourced from Copper Gold ore - not suitable for AR</p> <p><b>Colour Designation</b>                      Pale Yellowish Brown</p> <p><b>Usage</b>                      This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.</p> <p><b>Preparation and Packaging</b>                      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><b>Assay Testwork</b>                      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 27.4 Arsenic 760 Barium 254 Bromine 1.96 Cadmium <5 Cerium 40.4 Caesium 6.7 Chromium 391 Cobalt 60.7 Europium 1.08 Gold ppb 7350 Hafnium 3.19 Iridium ppb <20 Iron % 12.5 Lanthanum 15.8 Lutetium nr Molybdenum 423 Nickel 399 Rubidium 133 Samarium 4.28 Scandium 19.1 Selenium 47.7 Sodium % 1.1 Tantalum 1.23 Tellurium <5 Terbium 0.812 Thorium 4.97 Tin <100 Tungsten 37.1 Uranium 1.98 Ytterbium <1 Zinc 1870 Zirconium <200 Calcium% nr Potassium % nr Silver 14 Mercury nr Neodymium nr Strontium nr	Fe 13.25 SiO2 49.77 Al2O3 10.47 TiO2 0.913 MnO 0.14 CaO 4.43 P 0.067 S 2.23 MgO 2.44 K2O 1.65 Na2O 1.638 LOI1000 3.44	

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