

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G315-6

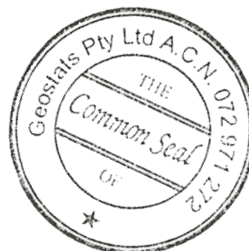
Certified Control Values

50 gram Fire Assay

Gold Grade 5.68 ppm
Standard Deviation 0.28 ppm
Confidence Interval +/- 0.041 ppm

Aqua Regia Digest

Gold Grade 5.26 ppm
Standard Deviation 0.33 ppm
Confidence Interval +/- 0.086 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>	
<p>Control statistics were produced from results accumulated in the April-2015 round robin. A total of 182 fire assay results and 60 results from an aqua regia technique were used to certify this material.</p>	Antimony 36.1	Fe	15.266
	Arsenic 358	SiO ₂	45.77
	Barium 310	Al ₂ O ₃	11.29
	Bromine 0.903	TiO ₂	0.83
	Cadmium 41	MnO	0.11
	Caesium 7.1	CaO	3.16
	Calcium (%) nr	P	0.054
	Cerium 50	S	4.325
	Chromium 560	MgO	2.56
	Cobalt 130	K ₂ O	1.42
	Europium 0.7	Na ₂ O	1.47
	Gold (ppb) 5260	LOI1000	7.2
	Hafnium 3		
	Iridium (ppb) <50	Neutron Activation	
	Iron (%) 15.2	Analyses and Fusion /	
	Lanthanum 22	XRF Analyses are	
	Lutetium 0.3	single results and are	
	Mercury nr	indicative only. These	
	Molybdenum 14	are provided for matrix	
	Neodymium nr	identification	
	Nickel 640	purposes.	
	Potassium (%) nr		
	Rubidium 140	'nr': Not Reported	
	Samarium 3.5		
	Scandium 13.8		
	Selenium <10		
	Silver 15		
	Sodium (%) 1.12		
	Strontium nr		
	Tantalum 1.2		
	Tellurium nr		
	Terbium 0.7		
	Thorium 12.5		
	Tin nr		
	Tungsten 22		
	Uranium 3		
	Ytterbium <2		
	Zinc 14400		
	Zirconium nr		
<p>Material Description This material is described as a Copper Gold ore.</p>			
<p>Colour Designation (ISCC-NBS, SP440) This material is pale yellowish brown in colour.</p>			
<p>Usage This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.</p>			
<p>Preparation and Packaging 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.</p>			
<p>Assay Testwork 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.</p>			
<p>Stability This product remains stable in its original packaging, away from direct sunlight.</p>			
<p>Material Safety This product is not hazardous and non-toxic.</p>			

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