

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G917-1

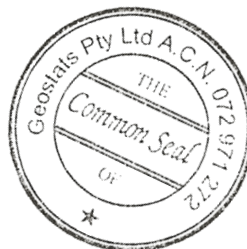
Certified Control Values

50 gram Fire Assay

Gold Grade 48.52 ppm
Standard Deviation 1.14 ppm
Confidence Interval +/- 0.182 ppm

Aqua Regia Digest

Gold Grade 47.79 ppm
Standard Deviation 2.70 ppm
Confidence Interval +/- 0.775 ppm



CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)		Major Elements by Fusion / XRF (%)	
	Control statistics were produced from results accumulated in the October-2017 round robin. A total of 156 fire assay results and 50 results from an aqua regia technique were used to certify this material.	Antimony	<0.2	Fe
Material Description This material is described as a Very High Grade Ore.	Arsenic	<0.5	SiO ₂	64.08
Colour Designation (ISCC-NBS, SP440) This material is light gray in colour.	Barium	401	Al ₂ O ₃	13.73
Usage This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.	Bromine	<2	TiO ₂	1.06
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.	Cadmium	<10	MnO	0.098
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.	Caesium	3	CaO	5.11
Stability This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P	0.052
Material Safety This product is not hazardous and non-toxic.	Cerium	35	S	0.037
	Chromium	104	MgO	3.31
	Cobalt	22	K ₂ O	2.4
	Europium	1.1	NazO	2.62
	Gold (ppb)	52000	LOI1000	0.41
	Hafnium	<5		
	Iridium (ppb)	<50		
	Iron (%)	5.1		
	Lanthanum	18		
	Lutetium	0.4		
	Mercury	nr		
	Molybdenum	<10		
	Neodymium	nr		
	Nickel	25		
	Potassium (%)	nr		
	Rubidium	101		
	Samarium	4.3		
	Scandium	18.4		
	Selenium	<10		
	Silver	32		
	Sodium (%)	2.03		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	<20		
	Terbium	1		
	Thorium	12.2		
	Tin	<200		
	Tungsten	<5		
	Uranium	8		
	Ytterbium	3.1		
	Zinc	<200		
	Zirconium	<500		

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