

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G918-1

Certified Control Values

50 gram Fire Assay

Gold Grade 0.36 ppm
Standard Deviation 0.02 ppm
Confidence Interval +/- 0.003 ppm

Aqua Regia Digest

Gold Grade 0.35 ppm
Standard Deviation 0.03 ppm
Confidence Interval +/- 0.007 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-2018 round robin. A total of 198 fire assay results and 60 results from an aqua regia technique were used to certify this material.	Antimony	<0.2	Fe
Material Description This material is described as a Milled cut-off / waste ore.	Arsenic	<0.5	SiO ₂	62.69
	Colour Designation (ISCC-NBS, SP440) This material is light gray in colour.	Barium	332	Al ₂ O ₃
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
	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
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	2	CaO
	Stability This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P
Material Safety This product is not hazardous and non-toxic.		Cerium	33	S
	Neutron Activation Analysis Results (ppm, unless otherwise noted)	Chromium	102	MgO
Cobalt		21	K ₂ O	2.13
Europium		1.1	Na ₂ O	3.22
Gold (ppb)		365	LOI1000	0.39
Hafnium		<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
Iridium (ppb)		<50	'nr': Not Reported	
Iron (%)		5.2		
Lanthanum		19		
Lutetium		0.4		
Mercury		nr		
Molybdenum		<10		
Neodymium		nr		
Nickel		24		
Potassium (%)		nr		
Rubidium		91		
Samarium		4.2		
Scandium		18.5		
Selenium		<10		
Silver		<5		
Sodium (%)		2.36		
Strontium	nr			
Tantalum	<2			
Tellurium	<20			
Terbium	1			
Thorium	12.5			
Tin	<200			
Tungsten	<5			
Uranium	8			
Ytterbium	2.7			
Zinc	<200			
Zirconium	<500			

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