

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G915-6

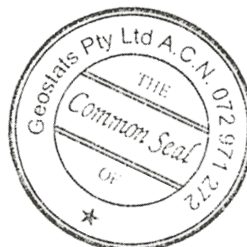
Certified Control Values

50 gram Fire Assay

Gold Grade 0.67 ppm
Standard Deviation 0.04 ppm
Confidence Interval +/- 0.006 ppm

Aqua Regia Digest

Gold Grade 0.67 ppm
Standard Deviation 0.04 ppm
Confidence Interval +/- 0.011 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-2015 round robin. A total of 172 fire assay results and 55 results from an aqua regia technique were used to certify this material.			
Material Description This material is described as a Low grade Gold ore some Cu Pb Zn Traces.				
Colour Designation (ISCC-NBS, SP440) This material is medium light gray in colour.				
Usage This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.				
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.				
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.				
Stability This product remains stable in its original packaging, away from direct sunlight.				
Material Safety This product is not hazardous and non-toxic.				
	Antimony	3.68	Fe	7.874
	Arsenic	4	SiO ₂	58.13
	Barium	360	Al ₂ O ₃	13.23
	Bromine	<2	TiO ₂	1.76
	Cadmium	<10	MnO	0.15
	Caesium	1	CaO	6.27
	Calcium (%)	nr	P	0.083
	Cerium	38.7	S	0.12
	Chromium	50	MgO	3.25
	Cobalt	33	K ₂ O	1.66
	Europium	1.57	Na ₂ O	nr
	Gold (ppb)	660	LOI1000	0.59
	Hafnium	5		
	Iridium (ppb)	<50	Neutron Activation	
	Iron (%)	7.8	Analyses and Fusion /	
	Lanthanum	21	XRF Analyses are	
	Lutetium	0.49	single results and are	
	Mercury	nr	indicative only. These	
	Molybdenum	<10	are provided for matrix	
	Neodymium	nr	identification purposes.	
	Nickel	30		
	Potassium (%)	nr	'nr': Not Reported	
	Rubidium	83		
	Samarium	5.5		
	Scandium	24.1		
	Selenium	<10		
	Silver	<10		
	Sodium (%)	2.34		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	<20		
	Terbium	1		
	Thorium	11.5		
	Tin	<200		
	Tungsten	<5		
	Uranium	6		
	Ytterbium	3		
	Zinc	230		
	Zirconium	<500		

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