

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G397-10

Certified Control Values

50 gram Fire Assay

Gold Grade	0.49 ppm
Standard Deviation	0.05 ppm
Confidence Interval	+/- 0.013 ppm

Aqua Regia Digest

Gold Grade	0.49 ppm
Standard Deviation	0.06 ppm
Confidence Interval	+/- 0.016 ppm



CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm)		Major Elements Fusion / XRF (%)	
Control statistics were produced from results accumulated in the : <u>April-1997</u> Geostats Pty Ltd Laboratory Round Robin Program. <u>64</u> laboratories tested this material using 50 gram Fire Assay. <u>60</u> laboratories tested it using an Aqua Regia Technique.	Antimony	4.94	Fe	nr
	Arsenic	17.5	SiO2	nr
	Barium	<100	Al2O3	nr
	Bromine	<2	TiO2	nr
	Cadmium	nr	MnO	nr
	Cerium	3.08	CaO	nr
	Caesium	32.2	P	nr
	Chromium	31.3	S	nr
	Cobalt	4.3	MgO	nr
	Europium	<0.5	K2O	nr
	Gold ppb	483	Na2O	nr
	Hafnium	14	LOI1000	nr
	Iridium ppb	<20		
	Iron %	2.13		
	Lanthanum	1.39		
	Lutetium	<0.2		
	Molybdenum	<5		
	Nickel	nr		
	Rubidium	910		
	Samarium	0.31		
	Scandium	0.95		
	Selenium	<5		
	Sodium %	1.26		
	Tantalum	<1		
	Tellurium	nr		
	Terbium	nr		
	Thorium	0.74		
	Tin	nr		
	Tungsten	<2		
	Uranium	<2		
	Ytterbium	<0.5		
	Zinc	194		
	Zirconium	nr		
	Calcium%	nr		
	Potassium %	4.06		
	Silver	<5		
	Mercury	nr		
	Neodymium	nr		
	Strontium	nr		
Source Material Prior to homogenisation and testing, this material was sourced from Blended Oxides ex Eastern Goldfields.				
Colour Designation Pale reddish brown				
Usage This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.				
Preparation and Packaging 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. 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 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.				

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