

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G398-10

Certified Control Values

50 gram Fire Assay

Gold Grade	4.07 ppm
Standard Deviation	0.19 ppm
Confidence Interval	+/- 0.018 ppm

Aqua Regia Digest

Gold Grade	3.99 ppm
Standard Deviation	0.21 ppm
Confidence Interval	+/- 0.031 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>October-2007</u> Geostats Pty Ltd Laboratory Round Robin Program. <u>405</u> laboratories tested this material using 50 gram Fire Assay. <u>180</u> laboratories tested it using an Aqua Regia Technique.	Antimony	6.1725	Fe	nr
	Arsenic	294.5	SiO2	nr
	Barium	349.5	Al2O3	nr
	Bromine	2.3375	TiO2	nr
	Cadmium	<5	MnO	nr
	Cerium	31.775	CaO	nr
	Caesium	7.095	P	nr
	Chromium	601.375	S	nr
	Cobalt	84.475	MgO	nr
	Europium	1.025	K2O	nr
	Gold ppb	3998.75	Na2O	nr
	Hafnium	7.6625	LOI1000	nr
	Iridium ppb	<50		
	Iron %	7.895		
	Lanthanum	20.9		
	Lutetium	0.31875		
	Molybdenum	16.4875		
	Nickel	1832.5		
	Rubidium	214.625		
	Samarium	3.06375		
	Scandium	14.4375		
	Selenium	<15		
	Sodium %	1.19125		
	Tantalum	43.4		
	Tellurium	<10		
	Terbium	<0.5		
	Thorium	6.34875		
	Tin	<100		
	Tungsten	15.5875		
	Uranium	1.15		
	Ytterbium	<2		
	Zinc	210.125		
	Zirconium	<500		
	Calcium%	3.43		
	Potassium %	1.34		
	Silver	<5		
	Mercury	nr		
	Neodymium	nr		
	Strontium	nr		
Source Material Prior to homogenisation and testing, this material was sourced from Composite bulk ore. Minor sulphide with cap rock.				
Colour Designation Pale red				
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.				

10A Marsh Close, O'Connor, Western Australia 6163
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699
e-mail : pjh@geostats.com.au, srr@geostats.com.au
Website http://www.geostats.com.au

G398-10

Geostats Pty Ltd, Certified Gold Reference Material, Product Code :