

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G04

Certified Control Values

50 gram Fire Assay

Gold Grade 3.75 ppm
Standard Deviation 0.20 ppm
Confidence Interval +/- 0.052 ppm

Aqua Regia Digest

Gold Grade 3.58 ppm
Standard Deviation 0.24 ppm
Confidence Interval +/- 0.066 ppm



CRM Details

<u>Control Statistic Details</u>	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
Control statistics were produced from results accumulated in the April-1995 round robin. A total of 60 fire assay results and 54 results from an aqua regia technique were used to certify this material.	Antimony	nr	Fe	nr
	Arsenic	nr	SiO ₂	nr
	Barium	nr	Al ₂ O ₃	nr
	Bromine	nr	TiO ₂	nr
	Cadmium	nr	MnO	nr
	Caesium	nr	CaO	nr
	Calcium (%)	nr	P	nr
	Cerium	nr	S	nr
	Chromium	nr	MgO	nr
	Cobalt	nr	K ₂ O	nr
	Europium	nr	Na ₂ O	nr
	Gold (ppb)	nr	LOI1000	nr
	Hafnium	nr	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes. 'nr': Not Reported	
	Iridium (ppb)	nr		
	Iron (%)	nr		
	Lanthanum	nr		
	Lutetium	nr		
	Mercury	nr		
	Molybdenum	nr		
	Neodymium	nr		
	Nickel	nr		
	Potassium (%)	nr		
	Rubidium	nr		
	Samarium	nr		
	Scandium	nr		
	Selenium	nr		
	Silver	nr		
	Sodium (%)	nr		
	Strontium	nr		
	Tantalum	nr		
	Tellurium	nr		
	Terbium	nr		
	Thorium	nr		
	Tin	nr		
	Tungsten	nr		
	Uranium	nr		
	Ytterbium	nr		
	Zinc	nr		
	Zirconium	nr		
<u>Material Description</u> This material is described as a Western Pilbara Sulphide ore.				
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is nr in colour.				
<u>Usage</u> This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.				
<u>Preparation and Packaging</u> 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.				
<u>Assay Testwork</u> 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.				
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.				
<u>Material Safety</u> This product is not hazardous and non-toxic.				

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