

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G324-4

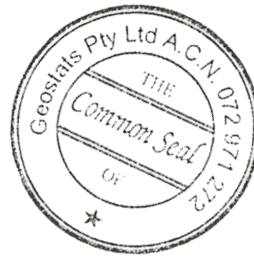
### Certified Control Values

#### 50 gram Fire Assay

Gold Grade 3.35 ppm  
Standard Deviation 0.14 ppm  
Confidence Interval +/- 0.023 ppm

#### Aqua Regia Digest

Gold Grade 1.17 ppm  
Standard Deviation nr ppm  
Confidence Interval nr ppm



### CRM Details

<b>Control Statistic Details</b> Control statistics were produced from results accumulated in the April-2024 round robin. A total of 161 fire assay results and nr results from an aqua regia technique were used to certify this material.	<b>Neutron Activation Analysis Results (ppm, unless otherwise noted)</b>		<b>Major Elements by Fusion / XRF (%)</b>	
	<b>Material Description</b> This material is described as a Copper Gold ore - not suitable for AR.	Antimony	13.1	Fe
<b>Colour Designation (ISCC-NBS, SP440)</b> This material is pale yellowish brown in colour.	Arsenic	1130	SiO <sub>2</sub>	52.29
<b>Usage</b> This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.	Barium	184	Al <sub>2</sub> O <sub>3</sub>	12.62
<b>Preparation and Packaging</b> 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.	Bromine	<2	TiO <sub>2</sub>	0.68
<b>Assay Testwork</b> 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.	Cadmium	<10	MnO	0.13
<b>Stability</b> This product remains stable in its original packaging, away from direct sunlight.	Caesium	10	CaO	4.92
<b>Material Safety</b> This product is not hazardous and non-toxic.	Calcium (%)	nr	P	0.05
	Cerium	28	S	1.89
	Chromium	336	MgO	2
	Cobalt	40	K <sub>2</sub> O	2.06
	Europium	0.9	Na <sub>2</sub> O	1.227
	Gold (ppb)	3150	LOI1000	6.83
	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 (%)	9.2		
	Lanthanum	14		
	Lutetium	0.4		
	Mercury	nr		
	Molybdenum	<10		
	Neodymium	nr		
	Nickel	349		
	Potassium (%)	nr		
	Rubidium	103		
	Samarium	3.6		
	Scandium	21.7		
	Selenium	<10		
	Silver	<5		
	Sodium (%)	0.86		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	<20		
	Terbium	<1		
	Thorium	4.5		
	Tin	<200		
	Tungsten	30		
	Uranium	2		
	Ytterbium	2.4		
	Zinc	377		
	Zirconium	<500		

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