

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G924-7

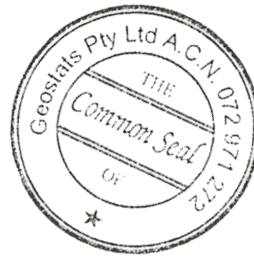
### Certified Control Values

#### 50 gram Fire Assay

Gold Grade 2.81 ppm  
Standard Deviation 0.22 ppm  
Confidence Interval +/- 0.035 ppm

#### Aqua Regia Digest

Gold Grade 2.66 ppm  
Standard Deviation 0.21 ppm  
Confidence Interval +/- 0.059 ppm



### CRM Details

<b>Control Statistic Details</b>	<b>Neutron Activation Analysis Results (ppm, unless otherwise noted)</b>		<b>Major Elements by Fusion / XRF (%)</b>	
	Control statistics were produced from results accumulated in the October-2024 round robin. A total of 148 fire assay results and 52 results from an aqua regia technique were used to certify this material.	Antimony	223	Fe
<b>Material Description</b> This material is described as a Copper Concentrate.	Arsenic	883	SiO <sub>2</sub>	40.35
	Barium	525	Al <sub>2</sub> O <sub>3</sub>	8.04
<b>Colour Designation (ISCC-NBS, SP440)</b> This material is greenish gray in colour.	Bromine	<2	TiO <sub>2</sub>	0.44
	Cadmium	<10	MnO	0.07
<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.	Caesium	4	CaO	0.85
	Calcium (%)	nr	P	0.077
<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.	Cerium	71	S	6.85
	Chromium	87	MgO	0.42
<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.	Cobalt	17	K <sub>2</sub> O	2.03
	Europium	<0.5	Na <sub>2</sub> O	1.65
<b>Stability</b> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	2500	LOI1000	11.4
	Hafnium	<5	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
<b>Material Safety</b> This product is not hazardous and non-toxic.	Iridium (ppb)	<50	'nr': Not Reported	
	Iron (%)	4.6		
	Lanthanum	41		
	Lutetium	0.3		
	Mercury	nr		
	Molybdenum	13		
	Neodymium	nr		
	Nickel	<100		
	Potassium (%)	nr		
	Rubidium	83		
	Samarium	5.1		
	Scandium	5.5		
	Selenium	<10		
	Silver	172		
	Sodium (%)	1.3		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	<20		
	Terbium	<1		
	Thorium	12.3		
	Tin	<200		
	Tungsten	4		
	Uranium	4		
	Ytterbium	1.6		
	Zinc	<200		
	Zirconium	<500		

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