

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Gold Reference Material Product Code

# G915-4

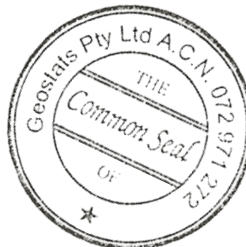
## Certified Control Values

### 50 gram Fire Assay

Gold Grade 9.16 ppm  
Standard Deviation 0.35 ppm  
Confidence Interval +/- 0.053 ppm

### Aqua Regia Digest

Gold Grade 9.00 ppm  
Standard Deviation 0.36 ppm  
Confidence Interval +/- 0.1 ppm



## CRM Details

Control Statistic Details	Neutron Activation Analysis Results (ppm, unless otherwise noted)		Major Elements by Fusion / XRF (%)	
	Control statistics were produced from results accumulated in the October-2015 round robin. A total of 177 fire assay results and 54 results from an aqua regia technique were used to certify this material.	Antimony	20.9	Fe
<b>Material Description</b> This material is described as a High grade gold Cu Pb Zn ore.	Arsenic	518	SiO <sub>2</sub>	44.35
<b>Colour Designation (ISCC-NBS, SP440)</b> This material is light brown in colour.	Barium	330	Al <sub>2</sub> O <sub>3</sub>	15.02
<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.	Bromine	<2	TiO <sub>2</sub>	1.67
<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.	Cadmium	<10	MnO	0.15
<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.	Caesium	1	CaO	5.21
<b>Stability</b> This product remains stable in its original packaging, away from direct sunlight.	Calcium (%)	nr	P	0.072
<b>Material Safety</b> This product is not hazardous and non-toxic.	Cerium	31.6	S	0.272
	Chromium	90	MgO	2.74
	Cobalt	162	K <sub>2</sub> O	0.978
	Europium	1.48	NazO	nr
	Gold (ppb)	9530	LOI1000	4.04
	Hafnium	6		
	Iridium (ppb)	<50		
	Iron (%)	15.4		
	Lanthanum	15		
	Lutetium	0.39		
	Mercury	nr		
	Molybdenum	<10		
	Neodymium	nr		
	Nickel	340		
	Potassium (%)	nr		
	Rubidium	62		
	Samarium	4.4		
	Scandium	22.4		
	Selenium	<10		
	Silver	9		
	Sodium (%)	1.71		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	<20		
	Terbium	1		
	Thorium	18.9		
	Tin	<200		
	Tungsten	<5		
	Uranium	5		
	Ytterbium	3		
	Zinc	940		
	Zirconium	<500		

20 Hines Road, 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>

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