

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G320-1

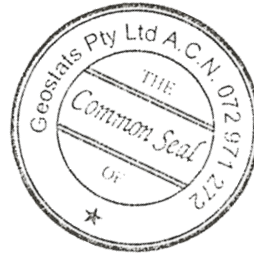
Certified Control Values

50 gram Fire Assay

Gold Grade 78.81 ppm
Standard Deviation 3.96 ppm
Confidence Interval +/- 0.646 ppm

Aqua Regia Digest

Gold Grade 78.03 ppm
Standard Deviation 3.40 ppm
Confidence Interval +/- 1.072 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-2020 round robin. A total of 148 fire assay results and 42 results from an aqua regia technique were used to certify this material.	Antimony	8	Fe
<u>Material Description</u> This material is described as a High grade gold sulphide.	Arsenic	10.6	SiO ₂	86.85
	Barium	373	Al ₂ O ₃	2.54
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is light gray in colour.	Bromine	<2	TiO ₂	0.21
	Cadmium	<10	MnO	0.04
<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.	Caesium	<2	CaO	3.32
	Calcium (%)	nr	P	0.027
<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.	Cerium	15	S	0.267
	Chromium	68	MgO	0.59
<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.	Cobalt	6	K ₂ O	0.534
	Europium	0.1	Na ₂ O	0.45
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Gold (ppb)	55236	LOI1000	1.94
	Hafnium	8	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
<u>Material Safety</u> This product is not hazardous and non-toxic.	Iridium (ppb)	<50	'nr': Not Reported	
	Iron (%)	1.9		
	Lanthanum	9		
	Lutetium	<0.2		
	Mercury	nr		
	Molybdenum	419		
	Neodymium	nr		
	Nickel	<20		
	Potassium (%)	nr		
	Rubidium	19		
	Samarium	1.6		
	Scandium	3.6		
	Selenium	<10		
	Silver	13		
	Sodium (%)	0.314		
	Strontium	nr		
	Tantalum	<2		
	Tellurium	51		
	Terbium	<1		
	Thorium	2.5		
	Tin	<200		
	Tungsten	1520		
	Uranium	<2		
	Ytterbium	0.5		
	Zinc	208		
	Zirconium	<500		

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