Major Elements by

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G301-3

Certified Control Values

50 gram Fire Assay

Gold Grade 1.96 ppm Standard Deviation 0.08 ppm Confidence Interval +/- 0.017 ppm

Aqua Regia Digest

Gold Grade 1.89 ppm Standard Deviation 0.16 ppm Confidence Interval +/- 0.03 ppm



Neutron Activation

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the April-2001 & October-2001 round robins. A total of 90 fire assay results and 115 results from an aqua regia technique were used to certify this material.

Material Description

This material is described as a Low grade Minor Sulphide - Eastern Goldfields.

Colour Designation (ISCC-NBS, SP440)

This material is light gray in colour.

Usage

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

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.

Assay Testwork

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.

Stability 1 4 1

This product remains stable in its original packaging, away from direct sunlight.

Material Safety

This product is not hazardous and non-toxic.

unless otherwise noted) Respect of the provided for matrix in	Analysis Results (ppm,		Fusion / XRF (%)		
Arsenic <1 SiO2 nr Barium <100 Al2O3 nr Bromine <1 TiO2 nr Cadmium nr MnO nr Caesium <1 CaO nr Calcium (%) 6.435 P nr Cerium 30.65 S nr Chromium 195.5 MgO nr Cobalt 40 K2O nr Europium 1.965 MgO nr Gold (ppb) 1990 LOI1000 nr Hafnium 3.685 Iridium (ppb) LOI1000 nr Hafnium 3.685 Iridium (ppb) Neutron Activation Analyses and Fusion / Lutetium 0.42 Mercury nr Analyses and Fusion / Mercury nr nr indicative only. These are provided for matrix identification Neutron Activation nr nr 'nr': Not Reported Samarium 5.51 Neutron Activation <	unless otherwise noted)				
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Tantalum <1	Sodium (%)	2.335			
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Zinc 193.5	Uranium	<2			
	Ytterbium	3.35			
Zirconium <500	Zinc	193.5			
	Zirconium	<500			

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