Major Elements by

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Gold Reference Material Product Code

G913-7

Certified Control Values

50 gram Fire Assay

Gold Grade 2.31 ppm
Standard Deviation 0.10 ppm
Confidence Interval +/- 0.014 ppm

Aqua Regia Digest

Gold Grade 2.26 ppm Standard Deviation 0.12 ppm Confidence Interval +/- 0.027 ppm



Neutron Activation

CRM Details

Control Statistic Details

Control statistics were produced from results accumulated in the October-2013 round robin. A total of 181 fire assay results and 76 results from an aqua regia technique were used to certify this material.

Material Description

This material is described as an Oxide mine composite ore.

Colour Designation (ISCC-NBS, SP440)

This material is pale red 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

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

Material Safety

This product is not hazardous and non-toxic.

Analysis Results (ppm. Fusion / XRF (%) unless otherwise noted 6 41 Fe Antimony 78.1 SiO₂ 56.78 Arsenic Al₂O₃ Barium 370 18 21 **Bromine** TiO₂ 1.67 1.01 Cadmium <1.81 MnO 0.07 Caesium 1.82 CaO 2.66 Calcium (%) Р nr 0.039 Cerium 43.7 S 0.33 Chromium 52.1 MgO 1.33 Cobalt K₂O 124 2 34 Europium Na₂O 2.804 nr LOI1000 Gold (ppb) 2510 4.48 Hafnium 10.3 Neutron Activation Iridium (ppb) <20 Iron (%) Analyses and Fusion / 6.88 XRF Analyses are Lanthanum 24.1 Lutetium 0.58 single results and are indicative only. These Mercury nr are provided for matrix Molybdenum 16.6 Neodymium nr identification Nickel purposes. 17.9 Potassium (%) nr Rubidium 119 'nr': Not Reported Samarium 3.43 Scandium 13.1 Selenium <3.69 Silver 3.66 Sodium (%) 2.12 Strontium nr Tantalum 1.74 Tellurium nr Terbium 0.679 Thorium 33.7 Tin nr Tungsten 1.03 Uranium 10.2 Ytterbium nr 7inc 275 Zirconium

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