

Certificate of Analysis

Shea Clark Smith /MEG, Inc.

Minerals Exploration & Environmental Geochemistry

P.O. Box 18325 Reno, Nevada, U.S.A. 89511-0325

Email: SheaClarkSmith@aol.com Website: SheaClarkSmith.com

Tel: 775-849-2235

MEG-Au.11.15

Certified Reference Material

MEAN = 3.46 ppm Au

95% Confidence = 2.99 to 3.92

Prepared By: Shea Clark Smith / Minerals Exploration & Environmental Geochemistry

Certified By: Shea Clark Smith, MSc. (Geochemistry)

Manufactured for: MEG LABS, Inc.

Date of Certification: Wednesday, January 16, 2013

Origin of Reference Material:

Certified Reference Material MEG-Au.11.15 was created from weakly gold and silver mineralized volcanic rock from Rosebud, Nevada

This material is not intended to be matrix-matched to any specific ore lithology.

Method of Preparation:

177 Kg of concrete block was jaw crushed and roll crushed.

The batch was comminuted to powder in a ceramic ball mill for 120 hours.

Gold in solution was added to the desired economic concentration.

The batch was further comminuted to powder in a ceramic ball mill for 24 hours.

Sizing tests of the final product show greater than 95% pass -74um (-200 mesh).

The standard was packaged in 50 g envelopes, each envelope with a removable sticky-label.

Method of Analysis:

Using the ICPMS capabilities of just one laboratory, homogeneity tests were done to estimate multielement distributions from a 4-acid digestion (0.5 gram) from each of 10 samples.

Then, 10 samples each to 13 laboratories were fire assayed on 30 gram subsamples, and these data were used to certify the material for gold concentration. New fire assay crucibles were used.

Summarized Assay Results:

PROJECT: MEG-Au.11.15 reported in ppm (parts per million)

SILVER (ppm)		PPM
DATA POINTS (ALL DATA)		47
MEAN (ALL DATA)		21.749
STANDARD DEVIATION (ALL DATA)		6.482
% RSD		29.81
RANGE OF VALUES - HIGH		30.540
RANGE OF VALUES - LOW		7.450
95% CONFIDENCE LIMITS	8.784 to	34.713

DATA POINTS (LAB DATA)		9
MEAN (LABS)		21.593
STANDARD DEVIATION (LABS)		6.843
CV (% RSD)		31.691
RANGE OF VALUES - HIGH		27.412
RANGE OF VALUES - LOW		7.824
95% CONFIDENCE LIMITS	7.907 to	35.279

GOLD(ppm)		
DATA POINTS (ALL DATA)		48
MEAN (ALL DATA)		3.4568
STANDARD DEVIATION (ALL DATA)		0.2323
% RSD		6.7213
RANGE OF VALUES - HIGH		4.04
RANGE OF VALUES - LOW		3.02
95% CONFIDENCE LIMITS	2.992 to	3.9214

Statistical Procedures:

Acceptable assay limits are based on the results of 10 samples shipped to each of 10 laboratories. Some labs assayed submitted samples twice, in different months, or different years.

The samples were submitted with other MEG standards in randomized order, so that as much as possible, real operating conditions were obtained from the participating laboratories. All of the data were used to determine an acceptable range, based on the mean and standard deviation of the "Lab Average Data". The acceptable reporting range is the "95% Confidence Limit", which is the mean +/- 2 standard deviations. Other statistics are provided to help the user assign viable acceptance boundaries.

Standards with an RSD (Relative Standard Deviation) of near or less than 5% are termed "Certified", while RSD's between 5% to 15% are designated "Provisional". RSD's over 15% are "Informational".

Instructions and Recommendations for Use:

Submit the entire contents of one 50 g envelope in random locations in the submittal, approximately every 10-20 samples. Use of blanks (samples with "below detection" concentration of analyte) are also recommended, randomly placed every 30-40 samples. The analytical request should be the same as that used for the round robin assays that generated this certificate.

Intended Use:

The standard material can be used to validate the analysis of samples from gold ores with a similar grade. As a control sample in routine assay laboratory operations, it should behave within the limits as indicated statistically in this certification. Its intended use is to monitor inter-laboratory and instrumental bias within these limits.

The recommended concentrations and limits for this material are based on multiple assays from several laboratories

