

Certificate of Analysis

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GEOCHEMICAL REFERENCE STANDARD: MEG-U-1

MEAN = 192.9 ppm U
95% Confidence = 182.6 - 203.3

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

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

Manufactured for: MEG LABS

Date of Certification: October 2, 2007

Origin of Reference Material:

Geochemical Reference Standard MEG-U-1 was prepared from Schwartzwalder Mine (Colorado) collected in 1981.

Method of Preparation:

Hazen research (Golden, Colorado) prepared the material in 1981 under the direction of Shea Clark Smith.

The ore was dried at 100C for 24 hours, jaw crushed, and roll crushed to -420 um.

The entire amount was ball milled together for 5 days.

Sizing tests of the final product show >95% pass -105 um (-140 mesh). In 1982, five samples of the final product were submitted to each of 6 laboratories for round robin assaying by 2-, 3-, and 4-acid digestion / ICP/OES and AAS.

Then in 2007, five samples were submitted to 5 laboratories for round robin assaying by 2-, 3-, and 4-acid digestion / ICP/OES and AAS.

Data are reported in ppm.

The standard was packaged in 5 g envelopes, each envelope with a removable sticky-label.

Summarized Assay Results:

PROJECT: MEG-U-1 URANIUM STANDARD (ppm)

DATA POINTS (ALL DATA)	23
MEAN (ALL DATA)	193.4
STANDARD DEVIATION (ALL DATA)	7.3
% RSD	3.8
RANGE OF VALUES - HIGH	207.0
RANGE OF VALUES - LOW	178.2
95% CONFIDENCE LIMITS	178.8 to 208.0

DATA POINTS (LAB DATA)	5
MEAN (LABS)	192.9
STANDARD DEVIATION (LABS)	5.2
CV (% RSD)	2.7
RANGE OF VALUES - HIGH	200.2
RANGE OF VALUES - LOW	185.2
95% CONFIDENCE LIMITS	182.6 to 203.3

Trace Metal Data : 5 Labs, 5 Samples each

MEG-U-1	Ag	As	Ba	Cd	Ce	Co	Cr	Cu	Er	Fe	Ga
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
COUNT	25	26	26	26	10	26	26	26	5	26	17
MAX	1.50	52.00	693.00	6.20	33.00	18.00	218.00	126.00	1.53	9.23	11.16
MEAN	0.92	39.89	142.50	3.27	29.21	15.45	44.96	114.72	1.44	7.49	8.67
SD	0.19	4.55	124.87	0.67	3.92	1.71	36.22	7.00	0.09	1.36	2.48
RSD %	20.3	11.4	87.6	20.5	13.4	11.1	80.6	6.1	6.5	18.2	28.6

MIN	0.60	26.00	72.00	2.49	23.60	10.00	27.10	99.10	1.30	4.08	5.00
	La	Li	Mn	Mo	Nd	Ni	P	Pb	Pr	Rb	Sb
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
COUNT	26	5	26	26	5	26	26	26	5	5	25
MAX	26.00	22.60	4681.00	169.00	6.08	67.00	0.11	241.00	1.92	22.80	16.00
MEAN	17.42	21.26	2904.88	150.50	4.94	39.29	0.10	207.53	1.83	20.44	9.70
SD	3.81	1.65	1221.84	30.33	0.71	7.42	0.01	42.16	0.10	2.14	3.25
RSD %	21.9	7.8	42.1	20.2	14.3	18.9	7.9	20.3	5.6	10.4	33.5
MIN	11.40	18.70	957.00	12.00	4.15	31.00	0.09	36.00	1.68	17.40	5.60
	Se	Sm	Sn	Sr	Th	V	W	Y	Yb	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
COUNT	5	5	12	26	16	26	21	11	5	26	11
MAX	1.33	1.60	5.00	334.00	8.94	152.00	12.00	15.00	-1.00	737.00	55.00
MEAN	0.50	1.55	1.63	83.82	6.20	120.13	5.71	11.18	-1.00	627.92	33.43
SD	0.92	0.07	1.09	52.64	1.71	20.15	5.19	3.67	0.00	112.44	23.46
RSD %	183.7	4.5	66.6	62.8	27.5	16.8	90.9	32.8	0.0	17.9	70.2
MIN	-0.50	1.43	1.14	57.00	4.30	89.20	-1.00	6.48	-1.00	165.00	8.09

Statistical Procedures:

Acceptable assay limits for copper are based on the results of 5 samples shipped to each of 5 laboratories located in North America.

The samples were submitted as a homogeneous group

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.

Instructions and Recommendations for Use:

Submit the entire contents of one 5 g envelope in random locations in the submittal, approximately every 20-30 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.

Raw Data Use to Calculate "True" Uranium Value:(ordered randomly)

Sample	Lab 1 U ppm	Lab 2 U ppm	Lab 3 U ppm	Lab 4 U ppm	Lab 5 U ppm
1	188	180	203	191	178
2	190	200	199	195.3	193
3	197	190	207	198.1	186
4	196	190	189	195.2	183
5	193	170	203	202.6	166

Major Constituents as Oxides

Average of 25 samples:

Raw Data:	Al%	Ca%	Fe%	K%	Mg%	Na%	S%	Ti%	Si%
ICP/OES Data	2.32	2.74	7.49	1.30	1.40	0.14	1.65	0.14	
Conversion Factor	1.8899	1.3992	1.4297	1.2046	1.6579	1.348	2.4953	1.6681	2.1392
	AlO2	CaO	Fe2O3	K2O	MgO	Na2O	SO3	TiO2	SiO2
% Oxide:	4.38	3.83	10.71	1.57	2.32	0.19	4.12	0.23	estimated 72.64

Participating Laboratories: 1982

Barringer Labs (Wheat Ridge, CO)

Bondar-Clegg (Lakewood, CO)

Cone Geochemical (Lakewood, CO)

CMS (Salt Lake City, UT)

Rocky Mountain Geochemical (Salt Lake City, UT)

Skyline (Wheat Ridge, CO)

Participating Laboratories: 2007

Acme Analytical Laboratories Ltd. (Vancouver, BC)

ALS Minerals (Reno, NV)

Activation Laboratories (Ancaster, ON)

American Assay Labs (Sparks, NV)

Skyline Labs (Tucson, AZ)

Legal Notice:

This certificate and the referenced material have been prepared with due care and attention. However, Minerals Exploration & Environmental Geochemistry (MEG Labs), and Shea Clark Smith, MSc, P.G., accept no liability for any decisions or actions taken following the use of this geochemical reference material.

Safety Notice:

A Material Safety Data Sheet (MSDS) is not required for this material. This material will not release or otherwise result in exposure to a hazardous chemical, under normal conditions of use. Use regular precautions as for any work with fine powder material.

Certified By:

Shea Clark Smith, MSc., P.G.