



MEG, LLC

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Certificate of Analysis

Cu.18.02

Geochemical Reference Material

MEAN =	0.238	ppm TCu
95% Confidence =	0.227	to 0.250
MEAN =	0.037	ppm Cu (ASCu)
95% Confidence =	0.044	to 0.030
MEAN =	0.039	ppm Cu (QLT)
95% Confidence =	0.047	to 0.047

Prepared By: MEG Inc
Certified By: Ajeet Milliard, PhD.
Manufactured for: MEG Inc
Date of Certification: Monday, July 14, 2025

Origin of Reference Material:

Geochemical Reference Material Cu.18.02 was created from mineralized intrusion at Ruth, NV
This material is not intended to be matrix-matched to any specific ore lithology.

Method of Preparation:

100 kg of naturally mineralized rock was dried at 100C, jaw crushed, and roll crushed to -400 um.

Three batches was comminuted to powder in a ceramic ball mill. After initial pass to cumminute material, all batches were re-blended to a singel, homogenized batch.

Sizing tests of the final product show greater than 92% pass -88um (180 mesh).

The standard was packaged in 50 gram sachets with a removable sticky-label.

Method of Analysis:

Ten (10) samples were submitted to one lab for trace element distribution testing by 4-acid digestion and ICP-MS (or ICP-AES or AAS depending on lab protocol) and ten (10) samples sent to seven (7) labs for copper solubility and molybdenum concentration analysis. Copper solubility (ASCu) was analyzed by sulfuric acid and sodium sulfite digestion followed by AAS. Copper by quick leach test (QLT) was conducted using sulfuric acid and ferric sulfate followed by AAS or ICP. Data reported in parts percent (%)

Summarized Results:

PROJECT: Cu.18.02

LAB DATA

	TCu (%)	ASCu (%)	QLT	Mo
COUNT	81	75	74	75
LAB AVERAGE	0.238	0.037	0.039	0.010
SD	0.006	0.004	0.004	0.001
RSD	2.4	9.4	9.4	4.6
10%	0.024	0.004	0.004	0.001
2SD	0.012	0.008	0.008	0.002
+10%	0.263	0.041	0.043	0.011
-10%	0.215	0.033	0.035	0.009
MAXIMUM	0.250	0.044	0.047	0.010

MINIMUM	0.227	0.030	0.032	0.009
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Statistical Procedures:

Acceptable assay limits are based on the results of 10 samples from 10 laboratories.

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.

Standard Ratings:

RSD (Relative Standard Deviation) near or less than 5% - "Certified".

RSD's between 5% to 15% - "Provisional"

RSD's over 15% - "Informational"

Instructions and Recommendations for Use:

Submit the entire contents of one 50 g sachet in random locations within a 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 lithium 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- and intra-laboratory and instrumental bias within these limits.

The recommended concentrations and limits for this material are based on multiple assays from several laboratories and reflect a consensus of the inherent chemical concentration. These values are a first attempt at a chemical characterization to which later data may be added as experience with the material increases.

Slight variations in analytical procedures between laboratories will result in slight biases to the recommended statistical limits.

This standard material is not recommended for method development, nor instrumental calibration.

Handling Instructions:

The material is packaged in metal lined sachets for easy open and long term protection from moist and oxidizing environments. The material should be reblended just prior to use in the assay laboratory. This can be done with a micro-riffle splitter or rubber sheeting.

Simple agitation and shaking is not sufficient to rehomogenize prior to use.

Normal safety precautions for handling powders are recommended. The use of safety glasses, dust inhalation protection, gloves, and a laboratory coat are suggested.

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; gloves, appropriate mask or respirator, and safety glasses.

Legal Notice:

This certificate and the reference material have been prepared with due care and attention. However, MEG LLC, and Ajeet Milliard, PhD., accept no liability for any decisions or actions taken following the use of this reference material.

Data Used to Calculate True Copper and Molybdenum Value:

Cu

ASCu

QLT Cu

Mo

LAB	Lab Average	Standard Deviation	Lab Average	Standard Deviation	Lab Average	Standard Deviation	Lab Average	Standard Deviation
1	0.231	0.004	0.031	0.002	0.040	0.002	0.010	0.000
2	0.240	0.005	0.036	0.002	0.039	0.001	0.009	0.000
3	0.238	0.005	0.040	0.001	0.036	0.001	0.009	0.000
4	0.244	0.004	0.039	0.005	0.034	0.001	0.010	0.000
5	0.231	0.005	0.040	0.000	0.046	0.011	0.009	0.000
6	0.241	0.004	0.036	0.003	0.039	0.002	0.010	0.000
7	0.246	0.005	0.040	0.000	0.040	0.000	0.010	0.001

Major Constituents as Oxides

Average of 100 samples: 4-acid, ICP-AES

Raw Data:	Al%	Ca%	Fe%	K%	Mg%	Na%	S%	Ti%
ICP/MS Data	6.22	1.69	3.99	4.34	0.08	0.07	1.89	0.19
Conversion Factor	1.8899	1.3992	1.4297	1.2046	1.6579	1.348	2.4953	1.6681
n=	10	10	10	10	10	10	10	10
	Al ₂ O ₃	CaO	Fe ₂ O ₃	K ₂ O	MgO	Na ₂ O	SO ₃	TiO ₂
% Oxide:	11.76	2.36	5.70	5.23	0.13	0.10	4.72	0.32

Participating Laboratories:

American Assay Labs - Sparks, NV	Bureau Veritas - Vancouver, B.C.
Activation Labs - Ancaster, ON	McClelland Labs - Reno, NV
ALS Global - Lima, Peru	Skyline Assayers - Tucson, AZ
ALS - Vancouver, B.C.	

Certified By:

Ajeet Milliard, Ph.D.