

CDN Resource Laboratories Ltd.

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ORE REFERENCE STANDARD: CDN-ME-2

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>2.10</i>	<i>±</i>	<i>0.11 g/t</i>
<i>Silver</i>	<i>14.0</i>	<i>±</i>	<i>1.3 g/t</i>
<i>Copper</i>	<i>0.480</i>	<i>±</i>	<i>0.018 %</i>
<i>Zinc</i>	<i>1.35</i>	<i>±</i>	<i>0.10 %</i>

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: February 18, 2009

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to twelve laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

This standard is made from ore supplied by Committee Bay Resources from the Lookout zone of their Niblack property. The ore is described as volcanic-hosted volcanogenic massive sulphide mineralization found in south eastern Alaska. The host rocks comprise felsic fragmentals and the mineralization can range from massive sulphides to stockwork stringers. The main ore minerals are chalcopyrite, sphalerite and galena with accompanying gold, and silver. Pyrite is abundant. Deleterious elements are low for this type of deposit.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	60.3	MgO	2.6
Al ₂ O ₃	9.3	K ₂ O	2.0
Fe ₂ O ₃	12.7	TiO ₂	0.3
CaO	0.6	LOI	8.6
Na ₂ O	0.8	S	9.9

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Ag, Cu, Zn: 4-acid digestion, AA or ICP finish.

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Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
ME-2-1	1.99	2.03	2.23	2.07	1.88	2.04	2.07	2.12	2.11	2.14	2.08	2.18
ME-2-2	2.11	2.09	2.19	2.08	2.12	2.01	2.03	2.14	2.07	2.09	2.10	2.22
ME-2-3	2.06	2.05	2.22	2.06	2.02	2.09	2.05	2.13	2.07	2.09	2.09	2.23
ME-2-4	2.12	2.11	2.20	2.13	2.15	2.05	2.08	2.11	2.16	2.13	2.06	2.16
ME-2-5	2.08	2.16	2.16	2.13	2.04	2.01	2.10	2.11	2.10	2.16	2.20	2.22
ME-2-6	2.17	2.09	2.15	2.08	1.98	2.01	2.07	2.14	2.12	2.12	2.03	2.13
ME-2-7	2.00	2.12	2.17	2.13	2.07	2.07	2.07	2.14	2.14	2.09	2.10	2.13
ME-2-8	2.16	2.15	2.16	2.06	2.10	2.02	2.06	2.14	2.09	2.09	2.04	2.16
ME-2-9	2.04	2.20	2.23	2.15	2.16	2.10	2.01	2.13	2.08	2.08	2.06	2.14
ME-2-10	1.98	2.11	2.25	2.12	2.15	2.29	2.10	2.11	2.07	2.05	2.04	2.18
Mean	2.07	2.11	2.20	2.10	2.07	2.07	2.06	2.13	2.10	2.10	2.08	2.18
Std. Devn.	0.0689	0.0507	0.0353	0.0341	0.0893	0.0845	0.0287	0.0135	0.0314	0.0327	0.0492	0.0378
% RSD	3.33	2.40	1.61	1.62	4.32	4.08	1.39	0.63	1.50	1.56	2.37	1.74
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
ME-2-1	16	15.2	14.6	13.4	14	14	14.8	13.8	14	13.7	14.4	14.5
ME-2-2	14	15.3	14.3	13.4	14	15	14.5	13.3	14	13.2	14.4	16.5
ME-2-3	15	15.3	14.6	13.4	14	13	14.5	13.6	15	13.7	14.2	13.5
ME-2-4	16	15.8	14.1	13.4	13	14	14.8	13.4	14	14.7	14.3	14.5
ME-2-5	15	15.8	14.9	12.9	14	15	14.8	13.4	14	14.4	14.4	14.0
ME-2-6	14	16.0	14.5	12.9	14	14	14.8	13.4	14	14.4	14.4	13.0
ME-2-7	16	15.3	14.0	12.8	15	14	14.8	13.6	14	14.1	15.1	13.5
ME-2-8	13	16.6	14.4	13.4	13	13	14.3	13.4	15	14.4	14.6	14.0
ME-2-9	14	15.2	14.5	13.4	13	14	14.8	13.7	14	13.8	14.5	13.5
ME-2-10	15	15.2	14.7	12.9	15	14	14.5	13.2	15	13.8	15.0	13.0
Mean	14.8	15.6	14.5	13.2	13.9	14.0	14.7	13.5	14.3	14.0	14.5	14.0
Std. Devn.	1.033	0.469	0.272	0.273	0.738	0.667	0.190	0.194	0.483	0.457	0.285	1.027
% RSD	6.98	3.01	1.88	2.07	5.31	4.76	1.29	1.44	3.38	3.26	1.96	7.34

NOTE: Ag data from Lab. 2 was excluded from the data set for failing the “t” test.

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Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
ME-2-1	0.519	0.474	0.472	0.42	0.469	0.474	0.476	0.475	0.484	0.479	0.496	0.483
ME-2-2	0.496	0.480	0.475	0.48	0.485	0.470	0.490	0.472	0.497	0.474	0.492	0.482
ME-2-3	0.487	0.487	0.479	0.48	0.466	0.464	0.471	0.475	0.489	0.478	0.498	0.476
ME-2-4	0.491	0.489	0.467	0.48	0.455	0.457	0.471	0.474	0.490	0.480	0.490	0.474
ME-2-5	0.510	0.491	0.470	0.48	0.476	0.471	0.482	0.476	0.492	0.478	0.495	0.474
ME-2-6	0.493	0.493	0.472	0.49	0.478	0.470	0.489	0.475	0.489	0.477	0.495	0.480
ME-2-7	0.485	0.478	0.473	0.47	0.473	0.472	0.485	0.475	0.479	0.474	0.494	0.482
ME-2-8	0.484	0.486	0.483	0.48	0.466	0.464	0.481	0.474	0.476	0.476	0.497	0.484
ME-2-9	0.474	0.483	0.464	0.48	0.467	0.489	0.476	0.473	0.480	0.482	0.495	0.472
ME-2-10	0.477	0.478	0.471	0.46	0.484	0.486	0.474	0.474	0.484	0.477	0.493	0.477
Mean	0.492	0.484	0.473	0.472	0.472	0.472	0.480	0.474	0.486	0.478	0.495	0.478
Std. Devn.	0.0140	0.0063	0.0055	0.0199	0.0092	0.0097	0.0070	0.0011	0.0065	0.0025	0.0024	0.0043
% RSD	2.84	1.30	1.16	4.21	1.95	2.06	1.46	0.23	1.34	0.52	0.49	0.90
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-2-1	1.45	1.28	1.26	1.52	1.40	1.47	1.32	1.33	1.37	1.36	1.39	1.34
ME-2-2	1.40	1.25	1.29	1.56	1.44	1.50	1.33	1.33	1.37	1.33	1.39	1.33
ME-2-3	1.39	1.26	1.28	1.55	1.39	1.40	1.32	1.33	1.37	1.35	1.39	1.34
ME-2-4	1.40	1.27	1.28	1.55	1.38	1.42	1.34	1.32	1.39	1.35	1.39	1.35
ME-2-5	1.43	1.26	1.29	1.55	1.40	1.40	1.37	1.32	1.39	1.33	1.39	1.34
ME-2-6	1.39	1.27	1.28	1.56	1.40	1.45	1.34	1.32	1.41	1.34	1.39	1.32
ME-2-7	1.41	1.27	1.25	1.56	1.40	1.45	1.33	1.32	1.34	1.33	1.38	1.33
ME-2-8	1.39	1.27	1.31	1.56	1.37	1.41	1.34	1.32	1.33	1.34	1.39	1.36
ME-2-9	1.38	1.26	1.25	1.56	1.39	1.47	1.35	1.32	1.38	1.32	1.38	1.33
ME-2-10	1.37	1.26	1.30	1.52	1.42	1.45	1.37	1.32	1.39	1.33	1.38	1.33
Mean	1.40	1.27	1.28	1.55	1.40	1.44	1.34	1.32	1.37	1.34	1.39	1.34
Std. Devn.	0.0238	0.0085	0.0202	0.016	0.0197	0.0336	0.0176	0.0062	0.0241	0.0123	0.0057	0.0116
% RSD	1.70	0.67	1.58	1.03	1.41	2.33	1.31	0.47	1.76	0.92	0.41	0.87

NOTE: Zn data from Lab 4 was excluded from the data set for failing the “t” test.

STANDARD REFERENCE MATERIAL CDN-ME-2

Participating Laboratories:

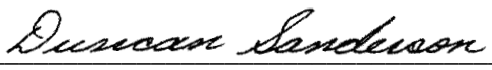
(not in same order as listed in table of results)

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