

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-1501

Recommended values and the “Between Lab” Two Standard Deviations

Gold	1.38 g/t	±	0.11 g/t	30 g FA, instrumental	Certified value
Silver	34.6 ppm	±	2.3 ppm	4-Acid / ICP	Certified value
Copper	0.292 %	±	0.010 %	4 Acid / ICP	Certified value
Lead	0.385 %	±	0.018 %	4 Acid / ICP	Certified value
Zinc	0.253 %	±	0.010 %	4 Acid / ICP	Certified value

Note: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

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: January, 2016

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 15 commercial laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-ME-1501 is made from a composite of various ores.

Approximate chemical composition (from whole rock analysis) is as follows:

	Percent			Percent
SiO ₂	59.0		K ₂ O	1.5
Al ₂ O ₃	10.3		TiO ₂	0.3
Fe ₂ O ₃	12.8		LOI	9.5
CaO	1.7		S	4.9
Na ₂ O	0.2		C	1.1
MgO	3.3			

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.
Ag, Cu, Pb, 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	Lab 13	Lab 14	Lab 15
	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	Au g/t	Au g/t	Au g/t
ME-1501-1	1.50	1.36	1.23	1.32	1.35	1.43	1.35	1.35	1.44	1.40	1.38	1.56	1.29	1.38	1.46
ME-1501-2	1.50	1.55	1.24	1.28	1.30	1.47	1.39	1.34	1.44	1.44	1.33	1.38	1.18	1.34	1.43
ME-1501-3	1.44	1.45	1.38	1.27	1.31	1.43	1.34	1.42	1.41	1.45	1.43	1.47	1.40	1.32	1.32
ME-1501-4	1.46	1.44	1.28	1.34	1.41	1.48	1.41	1.30	1.42	1.40	1.45	1.43	1.31	1.39	1.22
ME-1501-5	1.46	1.40	1.30	1.28	1.42	1.49	1.34	1.33	1.41	1.46	1.39	1.24	1.43	1.36	1.43
ME-1501-6	1.41	1.38	1.39	1.36	1.37	1.47	1.40	1.32	1.41	1.40	1.31	1.40	1.29	1.37	1.39
ME-1501-7	1.48	1.40	1.36	1.31	1.42	1.43	1.34	1.44	1.42	1.39	1.40	1.59	1.39	1.31	1.41
ME-1501-8	1.59	1.48	1.30	1.32	1.36	1.43	1.38	1.44	1.43	1.41	1.39	1.41	1.32	1.35	1.40
ME-1501-9	1.35	1.39	1.23	1.34	1.32	1.44	1.35	1.36	1.41	1.42	1.43	1.29	1.32	1.39	1.37
ME-1501-10	1.55	1.37	1.36	1.31	1.47	1.43	1.38	1.31	1.41	1.37	1.36	1.27	1.33	1.37	1.41
Mean	1.47	1.42	1.31	1.31	1.37	1.45	1.37	1.36	1.42	1.41	1.39	1.40	1.33	1.36	1.38
Std. Devn.	0.0693	0.0601	0.0616	0.0295	0.0564	0.0253	0.0284	0.0536	0.0103	0.0284	0.0445	0.1166	0.0704	0.0281	0.0690
% RSD	4.71	4.23	4.70	2.24	4.10	1.75	2.07	3.95	0.72	2.01	3.21	8.31	5.31	2.07	4.99
	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	Ag g/t	Ag g/t	Ag g/t
ME-1501-1	34.0	34.0	35.2	37.0	34.0	33.0	34.4	32.0	33.8	36.0	36.3	34.0	36.0	33.0	33.9
ME-1501-2	34.0	34.0	33.0	36.0	35.0	32.7	33.8	35.0	34.8	36.0	36.5	35.0	35.0	34.2	34.6
ME-1501-3	36.0	35.0	33.4	34.5	33.0	33.0	33.6	35.0	34.4	37.0	36.9	34.0	35.0	34.3	33.3
ME-1501-4	35.0	36.0	33.4	35.0	35.0	32.8	34.3	35.0	33.8	35.0	37.0	35.0	36.0	34.2	33.3
ME-1501-5	34.0	34.0	34.2	34.5	31.0	32.9	33.1	36.0	34.6	34.0	36.9	34.0	33.0	33.5	34.4
ME-1501-6	34.0	34.0	33.7	36.5	34.0	32.8	34.5	35.0	33.2	34.0	37.4	36.0	34.0	34.7	33.8
ME-1501-7	35.0	36.0	34.1	35.0	36.0	32.1	34.0	36.0	34.8	36.0	37.6	33.0	36.0	35.6	33.3
ME-1501-8	35.0	35.0	34.2	36.0	34.0	32.4	34.9	35.0	33.8	35.0	36.1	34.0	35.0	38.9	33.2
ME-1501-9	36.0	36.0	34.2	35.5	34.0	31.8	34.1	34.0	33.8	35.0	35.2	34.0	34.0	36.8	32.6
ME-1501-10	34.0	35.0	33.9	36.0	34.0	32.6	34.2	37.0	33.9	34.0	35.4	35.0	34.0	36.9	33.8
Mean	34.7	34.9	33.9	35.6	34.0	32.6	34.1	35.0	34.1	35.2	36.5	34.4	34.8	35.2	33.6
Std. Devn.	0.8233	0.8756	0.6093	0.8433	1.3333	0.3882	0.5043	1.3333	0.5301	1.0328	0.7945	0.8433	1.0328	1.8284	0.5996
% RSD	2.37	2.51	1.80	2.37	3.92	1.19	1.48	3.81	1.55	2.93	2.17	2.45	2.97	5.19	1.78
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
ME-1501-1	0.284	0.293	0.288	0.296	0.306	0.293	0.290	0.284	0.289	0.291	0.295	0.288	0.286	0.293	0.291
ME-1501-2	0.294	0.296	0.287	0.307	0.303	0.295	0.284	0.268	0.290	0.287	0.298	0.285	0.292	0.295	0.293
ME-1501-3	0.300	0.295	0.291	0.297	0.305	0.296	0.286	0.300	0.296	0.284	0.286	0.283	0.294	0.295	0.291
ME-1501-4	0.290	0.299	0.296	0.308	0.307	0.296	0.291	0.287	0.294	0.297	0.292	0.283	0.293	0.294	0.289
ME-1501-5	0.293	0.298	0.292	0.302	0.289	0.296	0.285	0.291	0.302	0.281	0.294	0.285	0.293	0.292	0.293
ME-1501-6	0.291	0.290	0.294	0.298	0.304	0.295	0.293	0.285	0.299	0.283	0.286	0.290	0.288	0.292	0.288
ME-1501-7	0.284	0.294	0.298	0.296	0.303	0.292	0.288	0.291	0.303	0.295	0.286	0.282	0.291	0.293	0.289
ME-1501-8	0.286	0.298	0.295	0.296	0.304	0.296	0.291	0.284	0.310	0.293	0.293	0.288	0.292	0.292	0.287
ME-1501-9	0.297	0.298	0.296	0.301	0.297	0.291	0.284	0.295	0.302	0.283	0.287	0.285	0.292	0.292	0.287
ME-1501-10	0.281	0.296	0.293	0.295	0.299	0.294	0.292	0.283	0.308	0.278	0.284	0.290	0.294	0.294	0.293
Mean	0.290	0.296	0.293	0.300	0.302	0.294	0.288	0.287	0.299	0.287	0.290	0.286	0.292	0.293	0.290
Std. Devn.	0.0062	0.0028	0.0036	0.0047	0.0054	0.0019	0.0035	0.0086	0.0071	0.0064	0.0048	0.0029	0.0026	0.0012	0.0026
% RSD	2.13	0.94	1.24	1.58	1.79	0.65	1.21	2.99	2.36	2.24	1.67	1.02	0.89	0.42	0.88

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	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-1501-1	0.386	0.381	0.382	0.400	0.340	0.371	0.381	0.376	0.360	0.380	0.397	0.384	0.387	0.379	0.397
ME-1501-2	0.393	0.381	0.379	0.405	0.340	0.373	0.373	0.393	0.340	0.370	0.394	0.375	0.393	0.382	0.413
ME-1501-3	0.386	0.381	0.383	0.407	0.340	0.371	0.378	0.378	0.345	0.370	0.388	0.374	0.390	0.380	0.388
ME-1501-4	0.386	0.387	0.389	0.399	0.340	0.377	0.377	0.397	0.342	0.370	0.395	0.379	0.391	0.378	0.397
ME-1501-5	0.389	0.380	0.387	0.400	0.310	0.375	0.380	0.399	0.351	0.370	0.399	0.383	0.388	0.379	0.405
ME-1501-6	0.390	0.379	0.390	0.404	0.340	0.371	0.377	0.400	0.356	0.380	0.392	0.383	0.388	0.377	0.393
ME-1501-7	0.382	0.382	0.393	0.404	0.350	0.369	0.380	0.400	0.342	0.380	0.385	0.373	0.388	0.383	0.392
ME-1501-8	0.394	0.384	0.388	0.405	0.340	0.372	0.383	0.397	0.352	0.370	0.393	0.386	0.391	0.378	0.393
ME-1501-9	0.402	0.384	0.394	0.405	0.330	0.369	0.378	0.389	0.334	0.380	0.383	0.376	0.389	0.377	0.394
ME-1501-10	0.390	0.382	0.391	0.411	0.340	0.372	0.385	0.376	0.347	0.370	0.382	0.383	0.393	0.381	0.385
Mean	0.390	0.382	0.388	0.404	0.337	0.372	0.379	0.391	0.347	0.374	0.391	0.380	0.390	0.379	0.396
Std. Devn.	0.0056	0.0023	0.0048	0.0036	0.0106	0.0026	0.0034	0.0101	0.0079	0.0052	0.0060	0.0048	0.0021	0.0021	0.0082
% RSD	1.44	0.61	1.23	0.90	3.14	0.71	0.91	2.59	2.28	1.38	1.52	1.26	0.55	0.54	2.08
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-1501-1	0.249	0.256	0.251	0.250	0.260	0.247	0.251	0.256	0.249	0.257	0.258	0.254	0.256	0.250	0.256
ME-1501-2	0.255	0.259	0.250	0.254	0.250	0.250	0.247	0.247	0.252	0.242	0.259	0.253	0.258	0.251	0.258
ME-1501-3	0.260	0.256	0.253	0.248	0.260	0.242	0.249	0.274	0.258	0.240	0.253	0.252	0.259	0.247	0.247
ME-1501-4	0.251	0.260	0.255	0.255	0.260	0.245	0.247	0.263	0.254	0.244	0.255	0.253	0.260	0.247	0.253
ME-1501-5	0.255	0.260	0.253	0.250	0.240	0.249	0.246	0.263	0.249	0.255	0.256	0.249	0.257	0.249	0.261
ME-1501-6	0.251	0.253	0.255	0.247	0.260	0.243	0.250	0.261	0.255	0.240	0.253	0.252	0.257	0.246	0.254
ME-1501-7	0.247	0.256	0.258	0.249	0.260	0.243	0.251	0.266	0.251	0.264	0.249	0.247	0.259	0.244	0.248
ME-1501-8	0.260	0.259	0.257	0.249	0.260	0.249	0.251	0.261	0.256	0.253	0.251	0.255	0.261	0.249	0.246
ME-1501-9	0.267	0.260	0.259	0.255	0.250	0.241	0.248	0.270	0.253	0.244	0.247	0.248	0.256	0.251	0.245
ME-1501-10	0.256	0.258	0.257	0.249	0.250	0.247	0.252	0.253	0.254	0.254	0.243	0.255	0.258	0.249	0.254
Mean	0.255	0.258	0.255	0.251	0.255	0.246	0.249	0.261	0.253	0.249	0.252	0.252	0.258	0.248	0.252
Std. Devn.	0.0060	0.0024	0.0031	0.0030	0.0071	0.0033	0.0021	0.0079	0.0029	0.0083	0.0050	0.0029	0.0017	0.0023	0.0055
% RSD	2.36	0.92	1.21	1.18	2.77	1.35	0.85	3.03	1.15	3.35	1.99	1.14	0.64	0.91	2.16

Notes: Pb data from laboratories 5 and 9 was removed for failing the t-test.

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Participating Laboratories:

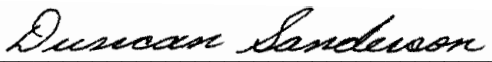
(not in same order as listed in table of results)

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Activation Laboratories, Thunder Bay, Ontario, Canada
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Argetest, Ankara, Turkey
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ALS Loughrea (Omac), Ireland
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Bureau Veritas (Ultra Trace), Perth Australia
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Met-Solve Analytical Services, Langley, BC, Canada
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Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.