

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-1205

Recommended values and the “Between Lab” Two Standard Deviations

Gold	2.20 g/t ± 0.28 g/t	Certified value
Silver	25.6 g/t ± 2.4 g/t	Certified value
Copper	0.218 % ± 0.012 %	Certified value
Lead	0.130% ± 0.004 %	Certified value
Zinc	0.369 % ± 0.030 %	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: May 29, 2012

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 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-ME-1205 is made from a mixture of ores.

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

	Percent			Percent
SiO ₂	64.0		MgO	2.3
Al ₂ O ₃	11.4		K ₂ O	1.4
Fe ₂ O ₃	9.3		TiO ₂	0.6
CaO	3.9		LOI	3.4
Na ₂ O	2.3		S	1.4
C	0.5			

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, Pb, Zn: 4-acid digestion, AA or ICP finish.

REFERENCE MATERIAL CDN-ME-1205

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-1205-1	2.16	2.09	2.06	2.45	2.34	2.18	2.33	2.39	2.22	2.15	2.36	2.06	2.05	2.07	2.29
ME-1205-2	2.39	2.05	1.98	2.44	2.23	2.19	2.33	2.40	2.17	2.19	2.13	2.11	2.19	2.45	2.19
ME-1205-3	2.19	2.29	2.33	2.39	2.27	2.28	2.29	2.30	2.13	2.07	2.14	2.23	2.01	2.36	1.91
ME-1205-4	2.25	1.97	1.82	2.44	2.25	2.12	2.48	2.29	2.43	2.03	2.18	2.04	1.92	2.16	2.01
ME-1205-5	2.23	2.13	2.00	2.43	2.21	2.20	2.42	2.38	2.23	2.20	2.37	2.07	1.84	2.25	1.92
ME-1205-6	2.29	2.21	2.09	2.41	2.27	2.09	2.30	2.32	2.48	1.93	2.17	2.08	2.05	2.15	1.93
ME-1205-7	2.29	2.29	1.98	2.47	2.21	2.17	2.45	2.41	2.39	2.07	2.22	2.29	2.18	2.46	2.29
ME-1205-8	2.15	2.39	2.09	2.42	2.27	2.16	2.04	2.37	2.21	2.13	2.12	1.91	2.08	2.45	1.88
ME-1205-9	2.33	2.20	2.15	2.46	2.32	2.41	2.18	2.30	2.25	2.12	2.32	1.93	2.04	2.14	2.01
ME-1205-10	2.24	2.13	2.16	2.50	2.33	2.13	2.26	2.29	2.38	2.05	2.21	2.19	1.96	2.08	1.90
Mean	2.25	2.18	2.07	2.44	2.27	2.19	2.31	2.34	2.29	2.09	2.22	2.09	2.03	2.26	2.03
Std. Devn.	0.0771	0.1262	0.1360	0.0314	0.0467	0.0906	0.1309	0.0494	0.1203	0.0814	0.0947	0.1211	0.1080	0.1576	0.1625
% RSD	3.42	5.80	6.58	1.29	2.06	4.13	5.67	2.11	5.26	3.89	4.26	5.79	5.31	6.99	7.99
	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-1205-1	26.1	26.3	24	23.8	29	27	26.8	25.1	24.4	29.2	26	26	25	27	25
ME-1205-2	26.2	26.1	25	22.4	26	26	26.4	25.1	23.7	27.4	28	25	25	28	25
ME-1205-3	26.1	26.7	25	22.2	26	25	26.0	24.7	24.1	29.6	27	25	24	27	25
ME-1205-4	26.0	26.8	24	24.6	26	26	27.2	24.6	24.6	29.0	27	26	25	27	25
ME-1205-5	26.5	26.9	23	24.4	27	28	26.7	24.3	24.2	30.6	26	26	26	26	24
ME-1205-6	25.9	26.5	23	23.4	27	28	26.8	24.4	24.4	27.7	26	25	25	26	26
ME-1205-7	26.2	28.1	25	24.3	27	27	26.7	25.0	24.0	27.5	25	26	26	26	26
ME-1205-8	25.8	29.1	24	24.2	26	27	26.7	24.4	23.3	27.9	27	25	25	26	25
ME-1205-9	26.8	29.4	24	25.0	25	27	27.2	24.6	23.9	28.9	26	26	25	26	25
ME-1205-10	25.4	28.5	23	24.7	26	27	27.7	24.6	24.1	30.2	26	24	25	26	25
Mean	26.1	27.4	24.0	23.9	26.5	26.8	26.8	24.7	24.1	28.8	26.4	25.4	25.1	26.5	25.1
Std. Devn.	0.3801	1.2195	0.8165	0.9568	1.0801	0.9189	0.4662	0.2936	0.3773	1.1411	0.8433	0.6992	0.5676	0.7071	0.5676
% RSD	1.46	4.44	3.40	4.00	4.08	3.43	1.74	1.19	1.57	3.96	3.19	2.75	2.26	2.67	2.26

Note: Au data from Lab 4 was removed for failing the t test.
Ag data from Lab 10 was removed for failing the t test.

REFERENCE MATERIAL CDN-ME-1205

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
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
ME-1205-1	0.216	0.222	0.212	0.202	0.22	0.225	0.24	0.214	0.20	0.216	0.219	0.221	0.218	0.215	0.216
ME-1205-2	0.218	0.220	0.210	0.204	0.22	0.226	0.23	0.214	0.20	0.211	0.217	0.207	0.223	0.236	0.223
ME-1205-3	0.212	0.215	0.214	0.203	0.22	0.219	0.20	0.209	0.20	0.225	0.206	0.212	0.221	0.217	0.226
ME-1205-4	0.213	0.223	0.218	0.206	0.22	0.221	0.23	0.212	0.20	0.224	0.215	0.215	0.221	0.232	0.215
ME-1205-5	0.212	0.221	0.217	0.204	0.22	0.224	0.21	0.214	0.20	0.224	0.212	0.228	0.223	0.220	0.221
ME-1205-6	0.219	0.225	0.215	0.206	0.22	0.222	0.22	0.213	0.20	0.222	0.213	0.217	0.223	0.224	0.216
ME-1205-7	0.221	0.226	0.213	0.208	0.22	0.222	0.24	0.220	0.20	0.209	0.222	0.221	0.225	0.221	0.217
ME-1205-8	0.220	0.228	0.216	0.208	0.22	0.217	0.24	0.213	0.19	0.231	0.221	0.215	0.219	0.218	0.218
ME-1205-9	0.221	0.226	0.211	0.203	0.22	0.218	0.24	0.213	0.20	0.221	0.216	0.212	0.225	0.225	0.218
ME-1205-10	0.217	0.224	0.223	0.206	0.22	0.221	0.23	0.211	0.19	0.224	0.217	0.209	0.217	0.226	0.219
Mean	0.217	0.223	0.215	0.205	0.220	0.222	0.228	0.213	0.198	0.221	0.216	0.216	0.222	0.223	0.219
Std. Devn.	0.0036	0.0037	0.0038	0.0021	0.0000	0.0030	0.0140	0.0030	0.0042	0.0068	0.0047	0.0063	0.0028	0.0067	0.0035
% RSD	1.67	1.68	1.79	1.03	0.00	1.33	6.13	1.40	2.13	3.07	2.17	2.92	1.26	2.99	1.59
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-1205-1	0.132	0.129	0.131	0.128	0.14	0.14	0.15	0.128	0.13	0.125	0.132	0.129	0.127	0.125	0.13
ME-1205-2	0.132	0.127	0.133	0.126	0.14	0.13	0.14	0.127	0.13	0.122	0.137	0.133	0.135	0.136	0.13
ME-1205-3	0.131	0.126	0.128	0.128	0.13	0.13	0.13	0.129	0.12	0.131	0.129	0.130	0.127	0.127	0.13
ME-1205-4	0.132	0.128	0.129	0.133	0.13	0.13	0.15	0.129	0.13	0.128	0.132	0.131	0.127	0.129	0.13
ME-1205-5	0.131	0.130	0.131	0.130	0.13	0.13	0.14	0.128	0.13	0.132	0.131	0.131	0.132	0.128	0.13
ME-1205-6	0.131	0.130	0.131	0.130	0.13	0.13	0.14	0.128	0.13	0.128	0.129	0.128	0.127	0.129	0.13
ME-1205-7	0.130	0.131	0.133	0.132	0.13	0.13	0.15	0.129	0.13	0.122	0.130	0.129	0.132	0.127	0.13
ME-1205-8	0.131	0.134	0.131	0.134	0.14	0.13	0.15	0.130	0.12	0.125	0.136	0.133	0.131	0.124	0.13
ME-1205-9	0.132	0.136	0.129	0.129	0.13	0.13	0.15	0.133	0.13	0.129	0.133	0.128	0.132	0.127	0.13
ME-1205-10	0.130	0.134	0.137	0.130	0.14	0.13	0.14	0.130	0.13	0.133	0.131	0.124	0.132	0.130	0.13
Mean	0.131	0.130	0.131	0.130	0.134	0.131	0.144	0.129	0.128	0.128	0.132	0.130	0.130	0.128	0.130
Std. Devn.	0.0007	0.0032	0.0026	0.0023	0.0052	0.0032	0.0070	0.0016	0.0042	0.0039	0.0027	0.0027	0.0029	0.0033	0.0000
% RSD	0.56	2.47	1.97	1.76	3.85	2.41	4.86	1.27	3.29	3.08	2.05	2.06	2.26	2.59	0.00
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-1205-1	0.361	0.37	0.359	0.356	0.36	0.39	0.40	0.361	0.38	0.361	0.378	0.359	0.366	0.345	0.38
ME-1205-2	0.366	0.37	0.360	0.360	0.35	0.40	0.40	0.364	0.38	0.357	0.385	0.367	0.381	0.358	0.39
ME-1205-3	0.362	0.37	0.358	0.358	0.35	0.39	0.36	0.369	0.36	0.376	0.367	0.367	0.367	0.345	0.40
ME-1205-4	0.364	0.38	0.360	0.365	0.35	0.39	0.40	0.361	0.37	0.377	0.380	0.366	0.361	0.359	0.38
ME-1205-5	0.364	0.37	0.359	0.359	0.35	0.39	0.39	0.368	0.39	0.376	0.375	0.370	0.364	0.345	0.38
ME-1205-6	0.356	0.38	0.367	0.362	0.35	0.39	0.38	0.363	0.40	0.376	0.374	0.355	0.361	0.355	0.39
ME-1205-7	0.353	0.38	0.363	0.353	0.35	0.39	0.41	0.367	0.38	0.352	0.378	0.360	0.368	0.346	0.39
ME-1205-8	0.351	0.39	0.366	0.364	0.35	0.38	0.42	0.367	0.38	0.353	0.391	0.368	0.363	0.345	0.39
ME-1205-9	0.360	0.38	0.358	0.360	0.35	0.38	0.41	0.365	0.40	0.367	0.383	0.353	0.371	0.344	0.38
ME-1205-10	0.360	0.38	0.363	0.357	0.35	0.39	0.40	0.361	0.38	0.371	0.380	0.344	0.367	0.348	0.39
Mean	0.360	0.379	0.361	0.359	0.351	0.389	0.397	0.364	0.382	0.367	0.379	0.361	0.367	0.349	0.387
Std. Devn.	0.0048	0.0059	0.0033	0.0035	0.0032	0.0057	0.0170	0.0030	0.0123	0.0101	0.0065	0.0083	0.0059	0.0057	0.0067
% RSD	1.33	1.56	0.90	0.98	0.90	1.46	4.29	0.83	3.22	2.75	1.73	2.30	1.60	1.63	1.74

Note: Cu data from Lab 9 was removed for failing the t test.
Pb data from Lab 7 was removed for failing the t test.

REFERENCE MATERIAL CDN-ME-1205

Participating Laboratories:

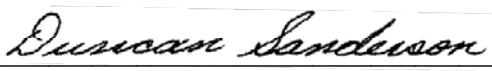
(not in same order as listed in table of results)

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Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


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