

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-8

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.093 g/t Au</i>	<i>±</i>	<i>0.018 g/t Au</i>	<i>(Au: provisional value only, RSD = 9.3%)</i>
<i>Silver</i>	<i>61.7 g/t Ag</i>	<i>±</i>	<i>4.7 g/t Ag</i>	
<i>Copper</i>	<i>0.103 % Cu</i>	<i>±</i>	<i>0.008 % Cu</i>	
<i>Lead</i>	<i>1.94 % Pb</i>	<i>±</i>	<i>0.08 % Pb</i>	
<i>Zinc</i>	<i>1.92 % Zn</i>	<i>±</i>	<i>0.08 % Zn</i>	

Note: Standards with an RSD of near or less than 5% are certified, RSD's of between 5% and 15% are Provisional, and 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: November 30, 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 fifteen laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore is from the Bell District of Mineral County, Nevada. The primary ore minerals are galena and sphalerite enclosed in a dark-grey, fine-grained aggregate of quartz and jasperoid, the result of the replacement of limestone by quartz. Pyrite and arsenopyrite are subordinate metallic minerals; calcite and limestone occur as gangue minerals. 350kg of the ore was blended with 350 kg of a blank granitic ore to make the standard.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	59.5		MgO	1.3
Al ₂ O ₃	9.7		K ₂ O	2.4
Fe ₂ O ₃	6.0		TiO ₂	0.4
CaO	10.4		LOI	5.2
Na ₂ O	1.8		S	2.7

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-8

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-8-1	0.100	0.098	0.085	0.09	0.091	0.107	0.096	0.102	0.092	0.09	0.115	0.12	0.08	0.090	0.122
ME-8-2	0.085	0.095	0.082	0.10	0.098	0.092	0.090	0.106	0.144	0.11	0.130	0.10	0.09	0.088	0.123
ME-8-3	0.099	0.088	0.092	0.10	0.088	0.083	0.091	0.096	0.097	0.10	0.120	0.11	0.08	0.087	0.102
ME-8-4	0.084	0.090	0.083	0.08	0.079	0.086	0.090	0.108	0.094	0.09	0.140	0.10	0.08	0.084	0.098
ME-8-5	0.093	0.086	0.088	0.09	0.082	0.096	0.095	0.103	0.091	0.12	0.115	0.11	0.09	0.093	0.105
ME-8-6	0.085	0.088	0.087	0.09	0.107	0.088	0.091	0.114	0.090	0.09	0.140	0.10	0.10	0.092	0.088
ME-8-7	0.104	0.087	0.089	0.09	0.084	0.086	0.090	0.113	0.098	0.09	0.140	0.10	0.09	0.090	0.125
ME-8-8	0.085	0.084	0.085	0.08	0.083	0.097	0.095	0.097	0.094	0.09	0.125	0.10	0.10	0.083	0.113
ME-8-9	0.087	0.089	0.083	0.10	0.107	0.100	0.099	0.091	0.085	0.08	0.105	0.11	0.08	0.086	0.103
ME-8-10	0.089	0.101	0.086	0.10	0.110	0.090	0.100	0.121	0.086	0.10	0.120	0.09	0.09	0.089	0.114
Mean	0.091	0.091	0.086	0.090	0.093	0.093	0.094	0.105	0.097	0.097	0.125	0.104	0.088	0.088	0.109
Std. Devn.	0.0074	0.0055	0.0031	0.0082	0.0117	0.0075	0.0038	0.0092	0.0170	0.0131	0.0122	0.0084	0.0079	0.0033	0.0121
% RSD	8.14	6.12	3.59	9.07	12.60	8.06	4.09	8.77	17.51	13.53	9.80	8.11	8.96	3.70	11.10
	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-8-1	62	65	66.2	59.4	63	60	60.7	51.7	58	63.2	63.2	64.0	63	43.6	59.1
ME-8-2	61	64	66.4	58.7	63	61	58.6	52.5	58	62.1	61.7	70.0	62	47.0	58.2
ME-8-3	61	62	66.5	59.2	62	62	61.1	51.7	59	63.5	63.6	65.5	63	46.0	58.3
ME-8-4	60	60	66.7	60.4	64	62	60.0	51.7	59	61.7	62.3	65.0	63	44.1	58.3
ME-8-5	59	63	66.5	60.0	61	60	60.8	53.0	60	63.3	62.9	69.5	64	42.8	59.2
ME-8-6	60	62	66.7	59.1	61	61	59.7	51.2	60	63.2	62.4	65.5	63	47.3	58.1
ME-8-7	59	63	66.3	60.0	62	63	58.0	51.4	59	62.2	63.5	66.5	63	45.0	60.9
ME-8-8	60	61	66.5	59.3	61	61	58.6	51.7	56	61.6	62.3	63.5	63	46.4	59.9
ME-8-9	60	61	67.3	58.9	61	61	62.6	52.4	61	63.3	61.0	65.0	63	43.5	59.8
ME-8-10	54	59	66.2	59.7	62	59	62.4	51.2	57	61.3	61.5	66.5	62	42.7	59.6
Mean	59.6	62.0	66.5	59.5	62.0	61.0	60.3	51.9	58.7	62.5	62.4	66.1	62.8	44.8	59.1
Std. Devn.	2.171	1.826	0.323	0.542	1.054	1.155	1.572	0.595	1.494	0.842	0.869	2.145	0.380	1.737	0.925
% RSD	3.64	2.94	0.49	0.91	1.70	1.89	2.61	1.15	2.55	1.35	1.39	3.24	0.61	3.87	1.56

NOTE: Au data from Lab. 11 was excluded for failing the “t” test.
Ag data from Labs 8 and 14 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-8

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-8-1	0.098	0.106	0.110	0.096	0.101	0.099	0.106	0.111	0.092	0.103	0.103	0.103	0.103	0.104	0.089
ME-8-2	0.097	0.105	0.109	0.094	0.099	0.100	0.104	0.115	0.093	0.104	0.105	0.106	0.103	0.109	0.091
ME-8-3	0.101	0.105	0.116	0.092	0.098	0.102	0.106	0.109	0.095	0.103	0.103	0.107	0.102	0.111	0.095
ME-8-4	0.098	0.104	0.109	0.095	0.099	0.101	0.105	0.108	0.094	0.104	0.103	0.105	0.104	0.107	0.091
ME-8-5	0.099	0.104	0.111	0.096	0.097	0.101	0.106	0.107	0.094	0.104	0.105	0.106	0.105	0.107	0.092
ME-8-6	0.099	0.104	0.112	0.094	0.098	0.100	0.106	0.113	0.098	0.104	0.102	0.104	0.103	0.111	0.088
ME-8-7	0.099	0.103	0.105	0.097	0.101	0.104	0.103	0.111	0.094	0.104	0.102	0.103	0.104	0.108	0.090
ME-8-8	0.100	0.105	0.107	0.095	0.099	0.102	0.103	0.106	0.092	0.104	0.103	0.104	0.104	0.109	0.085
ME-8-9	0.099	0.104	0.106	0.097	0.099	0.104	0.105	0.110	0.098	0.105	0.106	0.105	0.104	0.105	0.082
ME-8-10	0.091	0.102	0.112	0.093	0.100	0.100	0.104	0.109	0.093	0.103	0.105	0.106	0.102	0.099	0.085
Mean	0.098	0.104	0.110	0.095	0.099	0.101	0.105	0.110	0.094	0.104	0.104	0.105	0.103	0.107	0.089
Std. Devn.	0.0027	0.0011	0.0033	0.0016	0.0013	0.0017	0.0012	0.0026	0.0022	0.0006	0.0014	0.0014	0.0009	0.0035	0.0039
% RSD	2.78	1.09	2.98	1.71	1.30	1.68	1.17	2.37	2.29	0.61	1.37	1.31	0.83	3.29	4.37
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-8-1	1.90	1.98	1.93	1.91	1.96	1.89	2.08	1.82	1.98	1.95	1.93	1.71	1.99	2.20	1.92
ME-8-2	1.88	1.97	1.95	1.92	1.98	1.96	2.05	1.83	1.98	1.94	1.94	1.78	1.98	2.15	1.91
ME-8-3	1.93	1.95	1.95	1.92	1.93	1.96	2.02	1.75	1.95	1.96	1.94	1.69	1.99	2.15	1.91
ME-8-4	1.91	1.95	1.93	1.93	1.95	1.91	2.10	1.76	1.95	1.95	1.94	1.75	2.00	2.15	1.92
ME-8-5	1.91	1.97	1.95	1.89	1.89	1.93	2.08	1.92	1.95	1.95	1.94	1.63	2.00	2.10	1.93
ME-8-6	1.88	1.96	1.96	1.93	1.94	1.91	2.05	1.78	1.97	1.96	1.93	1.63	1.99	2.05	1.92
ME-8-7	1.89	1.93	1.94	1.91	1.95	1.96	2.02	1.83	1.96	1.93	1.94	1.62	1.98	2.10	1.92
ME-8-8	1.92	1.94	1.99	1.93	1.94	1.93	2.04	1.84	1.96	1.93	1.94	1.69	1.99	2.10	1.92
ME-8-9	1.90	1.94	1.92	1.91	1.95	1.89	2.11	1.83	1.97	1.95	1.96	1.73	1.99	2.20	1.94
ME-8-10	1.78	1.91	1.93	1.89	1.95	1.9	2.09	1.73	1.98	1.92	1.95	1.69	1.98	2.05	1.91
Mean	1.89	1.95	1.95	1.91	1.94	1.92	2.06	1.81	1.97	1.94	1.94	1.69	1.99	2.13	1.92
Std. Devn.	0.0419	0.0219	0.0201	0.0140	0.0232	0.0284	0.0324	0.0555	0.0114	0.0135	0.0088	0.0535	0.0079	0.0540	0.0070
% RSD	2.22	1.13	1.04	0.74	1.19	1.47	1.57	3.07	0.58	0.69	0.45	3.16	0.40	2.54	0.36
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-8-1	1.88	1.94	1.91	1.88	1.90	1.90	2.14	1.89	1.97	1.93	1.91	1.98	1.99	2.25	1.86
ME-8-2	1.87	1.94	1.96	1.89	1.93	1.95	2.15	1.90	1.95	1.92	1.93	1.97	2.00	2.15	1.87
ME-8-3	1.91	1.91	1.95	1.89	1.86	1.95	2.12	1.81	1.95	1.92	1.90	1.96	1.99	2.15	1.88
ME-8-4	1.89	1.92	1.95	1.90	1.90	1.94	2.15	1.81	1.93	1.92	1.92	1.96	1.98	2.25	1.88
ME-8-5	1.89	1.92	1.96	1.87	1.82	1.94	2.10	1.99	1.94	1.94	1.91	1.97	1.99	2.15	1.89
ME-8-6	1.86	1.90	1.98	1.88	1.86	1.94	2.10	1.85	1.95	1.93	1.91	1.94	1.98	2.05	1.86
ME-8-7	1.88	1.88	1.94	1.92	1.88	1.99	2.15	1.91	1.95	1.92	1.91	1.94	1.99	2.10	1.87
ME-8-8	1.89	1.91	1.99	1.91	1.87	1.97	2.09	1.90	1.97	1.91	1.94	1.94	1.99	2.15	1.86
ME-8-9	1.87	1.91	1.93	1.89	1.89	1.93	2.14	1.90	1.96	1.93	1.94	1.96	1.99	2.15	1.88
ME-8-10	1.76	1.88	1.96	1.87	1.88	1.91	2.16	1.82	1.96	1.91	1.93	1.96	1.99	2.15	1.85
Mean	1.87	1.91	1.95	1.89	1.88	1.94	2.13	1.88	1.95	1.92	1.92	1.96	1.99	2.16	1.87
Std. Devn.	0.0411	0.0219	0.0231	0.0162	0.0296	0.0262	0.0254	0.0563	0.0124	0.0095	0.0141	0.0140	0.0053	0.0599	0.0134
% RSD	2.20	1.15	1.18	0.86	1.58	1.35	1.19	3.00	0.64	0.49	0.74	0.71	0.26	2.78	0.72

NOTE: Cu data from Lab 15 was excluded for failing the “t” test.
Pb data from Labs 12 and 14 was excluded for failing the “t” test.
Zn data from Labs 7 and 14 was excluded for failing the “t” test.

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Participating Laboratories:

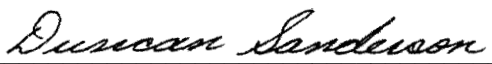
(not in same order as listed in table of results)

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Certified by


Duncan Sanderson, Certified Assayer of B.C.

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