

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-5

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>1.07 g/t Au</i>	\pm	<i>0.14 g/t Au</i>	<i>** provisional value only **</i>
<i>Silver</i>	<i>206.1 g/t Ag</i>	\pm	<i>13.1 g/t Ag</i>	<i>(FA / Grav)</i>
<i>Silver</i>	<i>205.6 g/t Ag</i>	\pm	<i>9.3 g/t Ag</i>	<i>(Digestion, ICP)</i>
<i>Copper</i>	<i>0.840 % Cu</i>	\pm	<i>0.048 % Cu</i>	
<i>Lead</i>	<i>2.13 % Pb</i>	\pm	<i>0.12 % Pb</i>	
<i>Zinc</i>	<i>0.579 % Zn</i>	\pm	<i>0.020 % 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:	September 3, 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 primarily from ore supplied by US Silver from the Coeur d'Alene mining district in northern Idaho. The mineralization occurs as veins hosted by weakly metamorphosed, siliceous sediments. Ag-Cu ore occurs as tetrahedrite, and variable amounts of pyrite and chalcopyrite. Minor Pb is associated with Ag-Cu veins. Other portions of the mineralized areas include Pb-Ag veins primarily consisting of galena and quartz. The standard was made by mixing 200 kg of US Silver ore with 40 kg of a high grade Au ore, 22 kg of a Cu, Zn concentrate and 535 kg of a blank granitic material.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	65.7	MgO	1.5
Al ₂ O ₃	9.2	K ₂ O	1.1
Fe ₂ O ₃	10.0	TiO ₂	0.4
CaO	2.2	LOI	4.5
Na ₂ O	2.2	S	1.8

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

REFERENCE MATERIAL CDN-ME-5

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
	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
CDN-ME-5-1	0.82	0.92	1.06	0.99	1.08	1.19	1.10	0.91	1.17	1.10	0.99	1.08	1.02
CDN-ME-5-2	1.32	1.12	1.02	0.96	1.17	1.07	1.20	1.08	0.84	1.26	1.21	1.28	1.01
CDN-ME-5-3	1.28	1.16	1.05	1.02	1.18	1.13	1.17	1.02	1.12	1.02	1.45	0.99	1.03
CDN-ME-5-4	0.91	1.26	1.10	1.11	1.08	1.02	1.18	1.06	1.16	1.19	1.60	1.07	1.01
CDN-ME-5-5	1.40	0.89	1.12	1.03	1.15	1.09	1.27	1.01	1.01	1.02	1.26	1.09	1.03
CDN-ME-5-6	0.91	0.97	1.11	1.16	1.14	1.05	1.26	1.11	1.04	1.00	1.10	1.12	1.01
CDN-ME-5-7	1.24	1.08	1.10	1.11	1.17	1.04	1.13	1.17	1.06	0.91	0.88	0.98	1.03
CDN-ME-5-8	1.08	0.99	1.08	1.07	1.01	1.04	1.19	1.15	1.20	1.04	1.47	0.94	1.02
CDN-ME-5-9	1.01	1.07	1.12	0.95	1.12	1.14	1.10	0.98	1.12	1.01	1.00	0.99	1.03
CDN-ME-5-10	0.99	1.06	1.02	1.13	1.25	1.09	1.10	1.13	1.05	0.97	1.18	0.99	1.01
Mean	1.10	1.05	1.08	1.05	1.14	1.09	1.17	1.06	1.08	1.05	1.21	1.05	1.02
Std. Devn.	0.2004	0.1109	0.0385	0.0738	0.0665	0.0536	0.0622	0.0823	0.1040	0.1044	0.2348	0.0993	0.0094
% RSD	18.28	10.54	3.57	7.01	5.86	4.93	5.33	7.75	9.66	9.93	19.35	9.44	0.92
(FA / Grav.)	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
CDN-ME-5-1	204	206	206.4	211	205	197	216.2	212	200	210	197		
CDN-ME-5-2	207	205	214.6	206	192	197	210.2	186	203	208	199		
CDN-ME-5-3	206	207	212.5	210	209	200	212.5	197	204	214	197		
CDN-ME-5-4	203	206	210.3	219	207	203	218.2	202	202	217	194		
CDN-ME-5-5	210	204	209.7	219	201	200	209.5	198	201	212	194		
CDN-ME-5-6	212	203	204.9	224	202	202	215.3	198	201	208	196		
CDN-ME-5-7	208	204	205.9	218	205	203	217.1	203	205	212	191		
CDN-ME-5-8	201	210	211.3	215	199	200	212.2	204	206	216	200		
CDN-ME-5-9	201	205	213.5	213	205	201	215.4	202	202	208	213		
CDN-ME-5-10	204	203	210.9	217	206	199	215.8	198	202	212	195		
Mean	205.6	205.3	210.0	215.2	203.1	200.2	214.2	200.0	202.6	211.7	197.6		
Std. Devn.	3.688	2.111	3.302	5.287	4.886	2.150	2.955	6.616	1.897	3.268	6.004		
% RSD	1.79	1.03	1.57	2.46	2.41	1.07	1.38	3.31	0.94	1.54	3.04		
Digestion / ICP	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
CDN-ME-5-1	201	200	206.1	202	211	209	215.0	205	211	201	213	194	212
CDN-ME-5-2	203	204	208.7	202	211	213	209.5	193	211	205	212	202	211
CDN-ME-5-3	203	206	208.2	204	216	215	209.0	200	211	201	217	194	207
CDN-ME-5-4	205	205	205.2	206	210	208	207.6	197	211	203	217	198	205
CDN-ME-5-5	208	209	202.3	204	211	208	210.5	191	213	200	216	200	216
CDN-ME-5-6	202	210	210.2	202	215	210	210.5	196	207	203	219	196	209
CDN-ME-5-7	204	208	210.7	202	208	206	211.1	201	207	198	218	200	210
CDN-ME-5-8	205	205	205.5	206	206	201	208.7	202	205	197	215	200	207
CDN-ME-5-9	207	204	210.1	204	203	211	206.2	197	205	199	211	198	212
CDN-ME-5-10	200	202	207.2	200	209	212	211.6	197	204	201	215	204	210
Mean	203.8	205.3	207.4	203.2	210.0	209.3	210.0	197.9	208.5	200.8	215.3	198.6	209.9
Std. Devn.	2.530	3.093	2.678	1.932	3.859	3.945	2.413	4.202	3.240	2.440	2.627	3.273	3.143
% RSD	1.24	1.51	1.29	0.95	1.84	1.89	1.15	2.12	1.55	1.22	1.22	1.65	1.50

NOTE: Au data from Labs 1 and 11 was excluded due to poor precision.
Ag data (digestion / ICP) from Lab 11 was excluded for failing the "t" test

REFERENCE MATERIAL CDN-ME-5

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
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CDN-ME-5-1	0.846	0.842	0.871	0.816	0.860	0.811	0.858	0.80	0.827	0.859	0.839	0.888	0.809
CDN-ME-5-2	0.847	0.846	0.857	0.825	0.941	0.845	0.872	0.83	0.798	0.872	0.834	0.900	0.815
CDN-ME-5-3	0.847	0.835	0.846	0.821	0.889	0.838	0.853	0.86	0.812	0.870	0.840	0.866	0.802
CDN-ME-5-4	0.858	0.872	0.867	0.826	0.870	0.800	0.839	0.85	0.824	0.867	0.844	0.862	0.813
CDN-ME-5-5	0.843	0.847	0.866	0.820	0.899	0.799	0.854	0.81	0.806	0.870	0.840	0.899	0.815
CDN-ME-5-6	0.848	0.828	0.860	0.833	0.911	0.811	0.853	0.88	0.801	0.873	0.836	0.850	0.801
CDN-ME-5-7	0.852	0.839	0.862	0.836	0.871	0.779	0.839	0.85	0.801	0.872	0.844	0.860	0.810
CDN-ME-5-8	0.857	0.844	0.862	0.830	0.891	0.794	0.849	0.85	0.797	0.874	0.837	0.885	0.802
CDN-ME-5-9	0.871	0.837	0.865	0.827	0.878	0.824	0.870	0.84	0.789	0.866	0.841	0.854	0.805
CDN-ME-5-10	0.857	0.843	0.854	0.823	0.924	0.830	0.845	0.82	0.795	0.870	0.838	0.888	0.809
Mean	0.853	0.843	0.861	0.826	0.893	0.813	0.853	0.839	0.805	0.869	0.839	0.875	0.808
Std. Devn.	0.0083	0.0116	0.0072	0.0060	0.0258	0.0209	0.0113	0.0242	0.0125	0.0044	0.0032	0.0188	0.0052
% RSD	0.98	1.37	0.84	0.73	2.88	2.58	1.32	2.89	1.55	0.51	0.39	2.15	0.64
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
CDN-ME-5-1	2.16	2.03	2.13	2.25	2.11	2.11	2.25	2.00	2.10	2.07	2.169	2.17	2.08
CDN-ME-5-2	2.19	2.07	2.12	2.26	2.18	2.16	2.20	2.06	2.06	2.09	2.150	2.17	2.10
CDN-ME-5-3	2.20	2.07	2.12	2.31	2.20	2.22	2.20	2.11	2.06	2.08	2.164	2.17	2.06
CDN-ME-5-4	2.19	2.05	2.18	2.29	2.16	2.03	2.27	2.11	2.10	2.09	2.192	2.14	2.06
CDN-ME-5-5	2.20	2.07	2.17	2.28	2.18	2.17	2.21	2.00	2.06	2.08	2.173	2.18	2.11
CDN-ME-5-6	2.17	2.07	2.17	2.32	2.20	2.03	2.20	2.14	2.03	2.09	2.159	2.16	2.06
CDN-ME-5-7	2.19	2.09	2.15	2.34	2.13	2.11	2.23	2.07	2.02	2.06	2.188	2.14	2.09
CDN-ME-5-8	2.20	2.06	2.13	2.35	2.12	2.07	2.20	2.10	1.99	2.04	2.165	2.22	2.11
CDN-ME-5-9	2.20	2.04	2.16	2.33	2.09	2.21	2.23	2.09	1.98	2.04	2.184	2.20	2.08
CDN-ME-5-10	2.17	2.07	2.10	2.22	2.18	2.17	2.28	2.02	1.99	2.04	2.164	2.22	2.02
Mean	2.19	2.06	2.14	2.30	2.16	2.13	2.23	2.07	2.04	2.07	2.17	2.18	2.08
Std. Devn.	0.0149	0.0175	0.0267	0.0425	0.0395	0.0691	0.0302	0.0492	0.0441	0.0215	0.0134	0.0287	0.0268
% RSD	0.68	0.85	1.25	1.85	1.83	3.25	1.35	2.38	2.16	1.04	0.62	1.32	1.29
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
CDN-ME-5-1	0.59	0.583	0.58	0.602	0.574	0.555	0.577	0.54	0.594	0.562	0.585	0.585	0.588
CDN-ME-5-2	0.58	0.584	0.58	0.596	0.590	0.568	0.583	0.56	0.587	0.567	0.582	0.585	0.577
CDN-ME-5-3	0.58	0.582	0.57	0.610	0.595	0.579	0.561	0.57	0.599	0.560	0.588	0.585	0.585
CDN-ME-5-4	0.59	0.607	0.58	0.608	0.581	0.557	0.555	0.57	0.607	0.566	0.584	0.582	0.591
CDN-ME-5-5	0.58	0.596	0.59	0.604	0.580	0.558	0.582	0.55	0.595	0.555	0.597	0.586	0.588
CDN-ME-5-6	0.58	0.578	0.57	0.623	0.589	0.563	0.592	0.58	0.596	0.567	0.581	0.588	0.579
CDN-ME-5-7	0.59	0.587	0.57	0.622	0.570	0.552	0.584	0.57	0.588	0.548	0.589	0.584	0.585
CDN-ME-5-8	0.59	0.583	0.56	0.602	0.564	0.536	0.587	0.58	0.608	0.551	0.585	0.582	0.588
CDN-ME-5-9	0.60	0.583	0.57	0.602	0.565	0.563	0.573	0.57	0.599	0.551	0.583	0.577	0.590
CDN-ME-5-10	0.59	0.588	0.57	0.600	0.578	0.572	0.581	0.56	0.602	0.559	0.582	0.597	0.579
Mean	0.587	0.587	0.574	0.607	0.579	0.560	0.578	0.565	0.598	0.559	0.586	0.585	0.585
Std. Devn.	0.0067	0.0085	0.0084	0.0091	0.0106	0.0119	0.0116	0.0127	0.007	0.0071	0.0048	0.0051	0.005
% RSD	1.15	1.44	1.47	1.50	1.83	2.12	2.00	2.25	1.18	1.27	0.81	0.88	0.85

**NOTE: Cu data from Lab 5 was excluded for failing the “t” test.
Pb data from Lab 4 was excluded for failing the “t” test.
Zn data from Lab 4 was excluded for failing the “t” test.**

REFERENCE MATERIAL CDN-ME-5

Participating Laboratories:

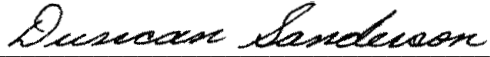
(not in same order as listed in table of results)

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Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



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