

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-6

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.270 g/t Au</i>	<i>±</i>	<i>0.028 g/t Au</i>
<i>Silver</i>	<i>101 g/t Ag</i>	<i>±</i>	<i>7.1 g/t Ag</i>
<i>Copper</i>	<i>0.613 % Cu</i>	<i>±</i>	<i>0.034 % Cu</i>
<i>Lead</i>	<i>1.02 % Pb</i>	<i>±</i>	<i>0.08 % Pb</i>
<i>Zinc</i>	<i>0.517 % Zn</i>	<i>±</i>	<i>0.040 % Zn</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: August 20, 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 thirteen laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

This standard is made primarily using ore from two sources:

- US Silver ore 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.
- Committee Bay Resources ore 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.

The standard was made by mixing 96 kg of US Silver ore, 163 kg of Niblack ore, 14 kg of a gold, copper, zinc concentrate and 528 kg of a blank granitic material.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	64.3	MgO	2.2
Al ₂ O ₃	10.7	K ₂ O	1.6
Fe ₂ O ₃	9.6	TiO ₂	0.5
CaO	2.1	LOI	4.1
Na ₂ O	2.4	S	2.2

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-6

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
ME-6-1	0.264	0.295	0.27	0.24	0.259	0.272	0.246	0.26	0.28	0.264	0.275	0.279	0.282
ME-6-2	0.270	0.264	0.26	0.26	0.275	0.280	0.245	0.25	0.26	0.306	0.275	0.271	0.289
ME-6-3	0.275	0.299	0.27	0.25	0.286	0.275	0.270	0.29	0.27	0.268	0.260	0.272	0.285
ME-6-4	0.268	0.258	0.24	0.27	0.259	0.272	0.296	0.31	0.27	0.264	0.320	0.293	0.290
ME-6-5	0.264	0.271	0.26	0.27	0.254	0.275	0.253	0.27	0.26	0.256	0.310	0.263	0.282
ME-6-6	0.280	0.276	0.25	0.25	0.256	0.271	0.261	0.29	0.26	0.283	0.295	0.281	0.285
ME-6-7	0.261	0.330	0.27	0.24	0.257	0.289	0.269	0.30	0.30	0.260	0.300	0.296	0.289
ME-6-8	0.276	0.258	0.25	0.26	0.284	0.272	0.266	0.29	0.30	0.260	0.330	0.254	0.281
ME-6-9	0.265	0.273	0.26	0.27	0.264	0.263	0.252	0.28	0.28	0.320	0.300	0.264	0.290
ME-6-10	0.267	0.290	0.25	0.28	0.273	0.248	0.268	0.28	0.26	0.255	0.290	0.287	0.282
Mean	0.269	0.281	0.258	0.259	0.267	0.272	0.263	0.282	0.274	0.274	0.296	0.276	0.286
Std. Devn.	0.0062	0.0225	0.0103	0.0137	0.0119	0.0107	0.0151	0.0181	0.0158	0.0224	0.0215	0.0137	0.0037
% RSD	2.29	7.98	4.00	5.29	4.46	3.93	5.74	6.43	5.76	8.20	7.29	4.95	1.29
	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-6-1	104	99.8	99.2	104.0	106	107	107.4	107	100	99	97.7	98	97
ME-6-2	104	99	102.7	101.0	105	106	106.9	107	97	100	97.3	96	90
ME-6-3	103	98.7	99.6	102.0	105	109	105.6	105	98	99	97.8	94	95
ME-6-4	100	98	101.1	103.0	107	105	106.9	107	99	99	98.8	94	95
ME-6-5	104	102	98.5	99.2	101	109	106.3	105	98	99	99.3	94	93
ME-6-6	104	100	99.5	98.3	99	109	104.2	105	101	102	96.9	94	97
ME-6-7	104	98	97.7	98.9	104	109	104.0	105	99	100	99.2	94	92
ME-6-8	102	100	98.8	104.0	102	108	103.9	104	102	99	100.8	94	93
ME-6-9	102	100	96.9	102.0	101	111	104.5	106	99	100	96.3	98	90
ME-6-10	104	100	100.4	98.6	102	108	105.0	106	101	101	97.1	96	95
Mean	103.1	99.6	99.4	101.1	103.2	108.1	105.5	105.7	99.4	99.8	98.1	95.2	93.7
Std. Devn.	1.370	1.188	1.672	2.226	2.573	1.729	1.330	1.059	1.578	1.001	1.374	1.687	2.541
% RSD	1.33	1.19	1.68	2.20	2.49	1.60	1.26	1.00	1.59	1.00	1.40	1.77	2.71

NOTE: Au data from Lab. 11 was excluded for failing the “t” test.
 Ag data from Lab. 13 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-6

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
ME-6-1	0.610	0.602	0.598	0.627	0.565	0.584	0.631	0.57	0.628	0.619	0.610	0.606	0.597
ME-6-2	0.608	0.603	0.609	0.617	0.589	0.595	0.632	0.63	0.641	0.609	0.615	0.605	0.591
ME-6-3	0.607	0.590	0.597	0.647	0.610	0.603	0.642	0.62	0.622	0.612	0.614	0.618	0.589
ME-6-4	0.672	0.621	0.614	0.607	0.578	0.579	0.643	0.60	0.626	0.617	0.617	0.609	0.601
ME-6-5	0.623	0.616	0.608	0.637	0.581	0.578	0.636	0.61	0.634	0.618	0.612	0.600	0.586
ME-6-6	0.628	0.633	0.617	0.617	0.600	0.589	0.634	0.60	0.635	0.626	0.610	0.603	0.596
ME-6-7	0.611	0.621	0.605	0.627	0.575	0.601	0.638	0.61	0.643	0.635	0.605	0.598	0.586
ME-6-8	0.603	0.614	0.603	0.617	0.572	0.589	0.648	0.59	0.630	0.633	0.613	0.600	0.602
ME-6-9	0.616	0.625	0.597	0.637	0.571	0.607	0.644	0.61	0.647	0.631	0.605	0.611	0.597
ME-6-10	0.622	0.635	0.604	0.617	0.606	0.597	0.640	0.61	0.622	0.621	0.609	0.615	0.593
Mean	0.620	0.616	0.605	0.625	0.585	0.592	0.639	0.605	0.633	0.622	0.611	0.607	0.594
Std. Devn.	0.0199	0.0142	0.0069	0.0123	0.0158	0.0100	0.0056	0.0165	0.0087	0.0089	0.0040	0.0067	0.0057
% RSD	3.22	2.31	1.14	1.97	2.70	1.70	0.87	2.73	1.38	1.42	0.65	1.10	0.96
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-6-1	1.06	0.98	0.98	1.02	1.09	0.99	1.06	0.92	1.09	1.00	1.04	1.00	0.83
ME-6-2	1.06	0.99	0.97	1.02	1.07	0.97	1.03	1.00	1.09	0.99	1.04	1.00	0.82
ME-6-3	1.05	0.97	1.00	1.02	1.06	1.01	1.00	0.99	1.06	1.00	1.04	1.01	0.82
ME-6-4	1.05	0.99	0.99	1.00	1.08	1.00	1.03	0.96	1.08	1.01	1.04	1.01	0.82
ME-6-5	1.05	1.00	1.03	0.99	1.00	1.01	1.08	0.98	1.10	0.99	1.05	1.00	0.82
ME-6-6	1.07	1.03	1.01	1.02	1.01	1.02	1.06	0.96	1.12	1.00	1.04	1.01	0.82
ME-6-7	1.04	0.98	0.99	1.01	1.04	1.01	1.05	0.98	1.10	1.01	1.03	0.99	0.83
ME-6-8	1.04	0.98	1.00	1.00	1.03	1.00	1.02	0.94	1.10	0.99	1.04	1.01	0.82
ME-6-9	1.06	0.97	0.97	1.03	1.03	1.00	1.05	0.98	1.09	0.98	1.03	1.03	0.82
ME-6-10	1.06	0.98	1.01	0.98	1.04	1.01	1.04	0.98	1.09	0.99	1.04	1.01	0.82
Mean	1.05	0.99	1.00	1.01	1.05	1.00	1.04	0.97	1.09	1.00	1.04	1.01	0.82
Std. Devn.	0.0097	0.0162	0.019	0.0197	0.0295	0.0136	0.0228	0.0242	0.0145	0.009	0.0067	0.0106	0.0033
% RSD	0.92	1.64	1.91	1.95	2.83	1.36	2.19	2.50	1.33	0.90	0.65	1.06	0.40
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-6-1	0.54	0.495	0.48	0.535	0.555	0.531	0.515	0.48	0.546	0.502	0.526	0.519	0.416
ME-6-2	0.54	0.501	0.50	0.545	0.543	0.511	0.514	0.52	0.547	0.500	0.520	0.509	0.424
ME-6-3	0.54	0.485	0.49	0.525	0.548	0.530	0.517	0.51	0.538	0.501	0.522	0.525	0.421
ME-6-4	0.54	0.495	0.50	0.535	0.559	0.516	0.513	0.49	0.542	0.495	0.519	0.512	0.418
ME-6-5	0.53	0.484	0.49	0.545	0.513	0.530	0.517	0.50	0.546	0.498	0.519	0.519	0.418
ME-6-6	0.54	0.493	0.49	0.535	0.513	0.529	0.517	0.49	0.550	0.491	0.517	0.510	0.420
ME-6-7	0.53	0.483	0.50	0.525	0.529	0.529	0.519	0.51	0.553	0.499	0.520	0.515	0.421
ME-6-8	0.53	0.479	0.49	0.535	0.538	0.528	0.518	0.49	0.554	0.491	0.515	0.516	0.411
ME-6-9	0.53	0.483	0.49	0.545	0.525	0.533	0.518	0.50	0.554	0.488	0.522	0.528	0.410
ME-6-10	0.53	0.489	0.49	0.535	0.537	0.523	0.521	0.51	0.545	0.497	0.525	0.528	0.413
Mean	0.54	0.49	0.49	0.54	0.54	0.53	0.52	0.50	0.55	0.50	0.52	0.52	0.42
Std. Devn.	0.0053	0.007	0.0063	0.0074	0.016	0.0072	0.0024	0.0125	0.0053	0.0048	0.0034	0.007	0.0046
% RSD	0.99	1.44	1.29	1.38	2.99	1.36	0.46	2.49	0.97	0.96	0.65	1.36	1.11

NOTE: Pb data from Lab. 13 was excluded for failing the “t” test.
 Zn data from Lab. 13 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-6

Participating Laboratories:

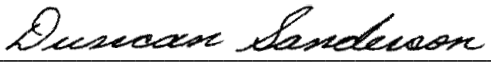
(not in same order as listed in table of results)

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Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



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