

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-15

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>1.386</i>	\pm	<i>0.102</i>	<i>g/t</i>
<i>Silver</i>	<i>34.0</i>	\pm	<i>3.7</i>	<i>g/t</i>
<i>Copper</i>	<i>0.014</i>	\pm	<i>0.001</i>	<i>%</i>
<i>Lead</i>	<i>0.413</i>	\pm	<i>0.044</i>	<i>%</i>
<i>Zinc</i>	<i>0.251</i>	\pm	<i>0.026</i>	<i>%</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: November 23, 2010

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 6 days in a double-cone mixer. Splits were taken and sent to twelve laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-ME-15 was made using ore supplied by Minera San Xavier from their Cerro de San Pedro deposit in San Luis Potosi, Mexico. The ore is from an oxidized, porphyry system.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	62.4		MgO	0.5
Al ₂ O ₃	15.2		K ₂ O	3.6
Fe ₂ O ₃	8.4		TiO ₂	0.9
CaO	0.5		LOI	6.3
Na ₂ O	0.1		S	0.6

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.

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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
CDN-ME-15-1	1.49	1.35	1.35	1.38	1.38	1.41	1.32	1.37	1.34	1.41	1.29	1.31	1.17	1.35	1.44
CDN-ME-15-2	1.48	1.40	1.42	1.48	1.32	1.36	1.40	1.37	1.44	1.37	1.43	1.39	1.29	1.33	1.40
CDN-ME-15-3	1.52	1.49	1.38	1.39	1.31	1.43	1.40	1.37	1.42	1.34	1.38	1.44	1.08	1.34	1.47
CDN-ME-15-4	1.50	1.45	1.38	1.43	1.37	1.43	1.40	1.44	1.35	1.39	1.27	1.33	1.30	1.39	1.48
CDN-ME-15-5	1.41	1.41	1.40	1.42	1.40	1.41	1.32	1.37	1.34	1.33	1.26	1.28	1.28	1.52	1.43
CDN-ME-15-6	1.47	1.34	1.40	1.47	1.34	1.40	1.36	1.37	1.33	1.49	1.36	1.20	1.28	1.43	1.32
CDN-ME-15-7	1.47	1.31	1.29	1.43	1.35	1.44	1.38	1.37	1.37	1.43	1.39	1.38	1.21	1.35	1.52
CDN-ME-15-8	1.42	1.43	1.39	1.44	1.38	1.37	1.38	1.30	1.37	1.33	1.44	1.24	1.20	1.36	1.39
CDN-ME-15-9	1.46	1.38	1.37	1.42	1.30	1.44	1.32	1.37	1.36	1.36	1.37	1.24	1.06	1.34	1.38
CDN-ME-15-10	1.52	1.35	1.40	1.48	1.35	1.42	1.39	1.37	1.33	1.53	1.37	1.28	1.10	1.46	1.46
Mean	1.47	1.39	1.38	1.43	1.35	1.41	1.37	1.37	1.37	1.40	1.36	1.31	1.20	1.39	1.43
Std. Devn.	0.0362	0.0551	0.0365	0.0347	0.0333	0.0275	0.0350	0.0330	0.0375	0.0678	0.0629	0.0762	0.0918	0.0633	0.0580
% RSD	2.46	3.97	2.65	2.42	2.47	1.95	2.56	2.41	2.75	4.85	4.64	5.82	7.67	4.56	4.06
	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
CDN-ME-15-1	35.5	32.2	33.0	36	35.3	32.6	34	33.7	29.7	35.9	33	33	32.8	28.6	
CDN-ME-15-2	34.6	32.2	34.5	36	35.7	31.8	31	36.2	31.6	34.3	35	37	35.8	30.5	
CDN-ME-15-3	36.4	33.6	30.5	33	34.2	31.5	33	33.7	32.9	34.3	35	38	32.4	29.6	
CDN-ME-15-4	35.6	36.2	37.5	34	35.1	32.4	35	31.3	31.9	36.4	34	33	31.9	29.1	
CDN-ME-15-5	36.3	36.3	39.5	35	33.7	31.9	35	31.1	29.3	35.5	33	35	34.2	28.8	
CDN-ME-15-6	34.2	29.4	35.0	37	35.2	32.0	35	32.4	29.7	32.8	35	35	33.6	30.7	
CDN-ME-15-7	36.4	30.2	35.5	34	39.4	33.1	37	35.4	32.5	36.1	34	32	32.7	28.9	
CDN-ME-15-8	33.4	30.4	36.5	36	33.5	32.6	36	33.2	28.9	35.5	33	36	33.3	29.7	
CDN-ME-15-9	32.2	31.6	29.0	33	33.2	32.5	34	33.4	32.6	34.2	38	32	32.8	29.6	
CDN-ME-15-10	37.0	34.6	34.5	32	33.1	32.8	38	35.0	29.3	34.6	34	35	33.9	30.6	
Mean	35.2	32.7	34.6	34.6	34.8	32.3	34.8	33.5	30.8	35.0	34.4	34.6	33.3	29.6	
Std. Devn.	1.5335	2.4441	3.1221	1.6465	1.8539	0.5007	1.9889	1.6708	1.5953	1.0933	1.5055	2.0656	1.1118	0.7752	
% RSD	4.36	7.48	9.04	4.76	5.32	1.55	5.72	4.98	5.17	3.13	4.38	5.97	3.33	2.62	

NOTES:

- 1). Lab 15 was unable to provide 4-acid digestion data for Ag, Cu, Pb, Zn
- 2). Au data from Lab 13 was excluded for failing the “t” test
- 3). Ag data from Lab 14 was excluded for failing the “t” test.
- 4). Cu data from Lab 9 was excluded for failing the “t” test.
- 5). Pb data from Lab 14 was excluded for failing the “t” test.
- 6). Zn data from Lab 14 was excluded for failing the “t” test.

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	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
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CDN-ME-15-1	0.015	0.014	0.017	0.015	0.013	0.014	0.014	0.014	0.015	0.014	0.014	0.013	0.016	0.012
CDN-ME-15-2	0.014	0.015	0.015	0.015	0.013	0.014	0.014	0.014	0.018	0.014	0.014	0.014	0.016	0.013
CDN-ME-15-3	0.014	0.014	0.016	0.014	0.013	0.014	0.014	0.014	0.024	0.014	0.014	0.013	0.015	0.012
CDN-ME-15-4	0.014	0.015	0.015	0.015	0.013	0.014	0.014	0.014	0.018	0.014	0.014	0.013	0.015	0.014
CDN-ME-15-5	0.014	0.015	0.014	0.015	0.013	0.014	0.014	0.014	0.016	0.014	0.014	0.013	0.015	0.013
CDN-ME-15-6	0.014	0.014	0.015	0.015	0.013	0.014	0.014	0.014	0.020	0.014	0.014	0.013	0.015	0.014
CDN-ME-15-7	0.014	0.015	0.013	0.014	0.013	0.014	0.014	0.014	0.017	0.014	0.014	0.013	0.015	0.012
CDN-ME-15-8	0.013	0.015	0.014	0.014	0.013	0.014	0.015	0.014	0.016	0.014	0.014	0.013	0.016	0.011
CDN-ME-15-9	0.013	0.014	0.014	0.015	0.014	0.014	0.014	0.014	0.018	0.014	0.014	0.013	0.015	0.013
CDN-ME-15-10	0.013	0.014	0.015	0.015	0.013	0.014	0.014	0.014	0.015	0.014	0.014	0.013	0.015	0.014
Mean	0.014	0.015	0.015	0.015	0.013	0.014	0.014	0.014	0.018	0.014	0.014	0.013	0.015	0.013
Std. Devn.	0.0006	0.0005	0.0011	0.0002	0.0001	0.0001	0.0003	0.0000	0.0026	0.0001	0.0000	0.0003	0.0005	0.0010
% RSD	4.58	3.63	7.35	1.14	0.99	0.85	2.24	0.00	14.85	0.52	0.00	2.41	3.16	8.07
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
CDN-ME-15-1	0.445	0.374	0.393	0.421	0.425	0.367	0.420	0.408	0.381	0.454	0.403	0.407	0.420	0.311
CDN-ME-15-2	0.443	0.394	0.392	0.420	0.424	0.377	0.410	0.410	0.383	0.444	0.414	0.443	0.430	0.336
CDN-ME-15-3	0.445	0.381	0.391	0.424	0.422	0.374	0.410	0.414	0.386	0.444	0.412	0.428	0.420	0.318
CDN-ME-15-4	0.449	0.384	0.408	0.423	0.425	0.373	0.410	0.415	0.390	0.451	0.413	0.405	0.420	0.317
CDN-ME-15-5	0.453	0.386	0.408	0.426	0.420	0.366	0.420	0.414	0.385	0.449	0.406	0.414	0.420	0.324
CDN-ME-15-6	0.452	0.372	0.389	0.426	0.423	0.366	0.400	0.414	0.380	0.447	0.411	0.417	0.420	0.326
CDN-ME-15-7	0.448	0.394	0.413	0.413	0.425	0.374	0.420	0.413	0.384	0.454	0.412	0.404	0.420	0.335
CDN-ME-15-8	0.444	0.384	0.390	0.419	0.423	0.378	0.420	0.416	0.386	0.447	0.421	0.413	0.420	0.328
CDN-ME-15-9	0.445	0.386	0.404	0.415	0.420	0.369	0.410	0.416	0.387	0.450	0.410	0.412	0.410	0.320
CDN-ME-15-10	0.446	0.387	0.399	0.417	0.422	0.365	0.410	0.416	0.376	0.451	0.411	0.423	0.410	0.340
Mean	0.447	0.384	0.399	0.420	0.423	0.371	0.413	0.414	0.384	0.449	0.411	0.417	0.419	0.326
Std. Devn.	0.0034	0.0072	0.0089	0.0044	0.0019	0.0049	0.0067	0.0027	0.0038	0.0035	0.0048	0.0120	0.0057	0.0094
% RSD	0.76	1.88	2.23	1.04	0.45	1.31	1.63	0.65	1.00	0.78	1.16	2.88	1.35	2.88
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
CDN-ME-15-1	0.262	0.228	0.248	0.257	0.250	0.236	0.270	0.243	0.228	0.283	0.263	0.250	0.250	0.218
CDN-ME-15-2	0.262	0.242	0.250	0.264	0.250	0.238	0.260	0.238	0.227	0.279	0.266	0.270	0.250	0.224
CDN-ME-15-3	0.261	0.235	0.253	0.262	0.251	0.243	0.260	0.239	0.228	0.284	0.267	0.259	0.240	0.213
CDN-ME-15-4	0.266	0.237	0.256	0.265	0.250	0.241	0.260	0.249	0.230	0.282	0.266	0.248	0.250	0.216
CDN-ME-15-5	0.266	0.238	0.254	0.268	0.246	0.241	0.270	0.240	0.221	0.282	0.263	0.252	0.250	0.220
CDN-ME-15-6	0.265	0.231	0.255	0.274	0.249	0.239	0.250	0.239	0.226	0.281	0.264	0.253	0.250	0.217
CDN-ME-15-7	0.264	0.242	0.259	0.262	0.250	0.235	0.260	0.240	0.228	0.283	0.269	0.247	0.250	0.222
CDN-ME-15-8	0.262	0.238	0.256	0.270	0.247	0.241	0.260	0.242	0.230	0.280	0.271	0.251	0.250	0.211
CDN-ME-15-9	0.261	0.237	0.254	0.266	0.249	0.236	0.260	0.253	0.229	0.282	0.261	0.250	0.250	0.214
CDN-ME-15-10	0.260	0.237	0.255	0.267	0.248	0.235	0.260	0.241	0.224	0.283	0.266	0.255	0.250	0.218
Mean	0.263	0.237	0.254	0.266	0.249	0.238	0.261	0.242	0.227	0.282	0.266	0.254	0.249	0.217
Std. Devn.	0.0022	0.0044	0.0031	0.0047	0.0016	0.0030	0.0057	0.0049	0.0028	0.0013	0.0030	0.0068	0.0032	0.0040
% RSD	0.83	1.84	1.23	1.78	0.62	1.27	2.17	2.00	1.21	0.47	1.13	2.66	1.27	1.85

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Participating Laboratories:

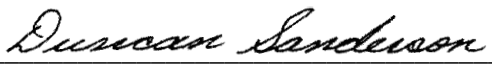
(not in same order as listed in table of results)

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