CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-1602

Recommended values and the "Between Lab" Two Standard Deviations

Gold	***1.31 g/t***	**±**	***0.10 g/t***	***30 g FA, instrumental***	***Certified value***
Silver	***137 ppm***	**±**	***6 ppm***	***4-Acid / ICP***	***Certified value***
Copper	***0.372 %***	**±**	***0.014 %***	***4 Acid / ICP***	***Certified value***
Lead	***1.13 %***	**±**	***0.05 %***	***4 Acid / ICP***	***Certified value***
Zinc	***0.775 %***	**±**	***0.038 %***	***4 Acid / ICP***	***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.

The certified value and between lab 2SD calculated for each element are based on specific analytical procedures. It is inappropriate to apply them to other techniques.

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, 2, 2016

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 commercial laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-ME-1602 was prepared by combining a variety of low and high grade ores.

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

	Percent			**Percent**
SiO2	66.4		K2O	1.6
Al2O3	3.3		TiO2	<0.1
Fe2O3	2.7		LOI	8.9
CaO	13.8		Total S	1.3
Na2O	0.1		Total C	3.0
MgO	0.2			

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

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-1602-1	1.31	1.29	1.37	1.32	1.28	1.24	1.27	1.35	1.26	1.30	1.32	1.30	1.25	1.33	1.24
ME-1602-2	1.26	1.23	1.29	1.17	1.17	1.23	1.30	1.39	1.27	1.26	1.45	1.32	1.25	1.32	1.21
ME-1602-3	1.34	1.48	1.31	1.34	1.21	1.24	1.24	1.40	1.30	1.33	1.38	1.36	1.29	1.26	1.25
ME-1602-4	1.38	1.32	1.31	1.29	1.27	1.22	1.34	1.35	1.44	1.32	1.33	1.34	1.44	1.34	1.27
ME-1602-5	1.34	1.35	1.26	1.39	1.27	1.21	1.30	1.36	1.40	1.30	1.35	1.32	1.41	1.26	1.30
ME-1602-6	1.23	1.39	1.25	1.34	1.26	1.26	1.24	1.41	1.30	1.34	1.37	1.39	1.31	1.24	1.28
ME-1602-7	1.40	1.32	1.28	1.33	1.28	1.22	1.31	1.39	1.26	1.33	1.41	1.30	1.27	1.31	1.32
ME-1602-8	1.31	1.36	1.33	1.32	1.33	1.28	1.25	1.37	1.35	1.29	1.34	1.31	1.34	1.29	1.33
ME-1602-9	1.31	1.34	1.32	1.43	1.36	1.21	1.34	1.39	1.29	1.31	1.35	1.38	1.28	1.32	1.31
ME-1602-10	1.41	1.30	1.27	1.36	1.27	1.26	1.32	1.35	1.26	1.34	1.39	1.40	1.27	1.33	1.24
Mean	1.33	1.34	1.30	1.33	1.27	1.24	1.29	1.37	1.31	1.31	1.37	1.34	1.31	1.30	1.27
Std. Devn.	0.0583	0.0664	0.0367	0.0684	0.0523	0.0229	0.0396	0.0221	0.0636	0.0253	0.0398	0.0367	0.0655	0.0353	0.0394
% RSD	4.40	4.96	2.83	5.15	4.13	1.85	3.07	1.61	4.85	1.93	2.91	2.74	5.00	2.71	3.09
Instrumental	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-1602-1	139	147	138	143	141	139	143	137	137	135	144	135	139	138	134
ME-1602-2	146	140	139	140	137	140	140	134	141	129	143	138	140	133	132
ME-1602-3	137	141	137	139	133	138	140	136	136	132	145	136	136	135	133
ME-1602-4	145	139	139	139	136	138	135	135	139	131	140	135	140	133	132
ME-1602-5	144	140	137	136	141	138	136	136	137	133	138	133	134	138	132
ME-1602-6	143	142	139	146	137	139	134	138	141	131	142	137	139	136	132
ME-1602-7	146	142	137	136	144	140	136	137	134	135	137	139	134	137	134
ME-1602-8	156	137	135	142	137	139	134	134	140	138	146	135	140	135	130
ME-1602-9	138	140	141	139	141	138	135	137	137	135	144	140	139	138	134
ME-1602-10	136	140	132	143	137	138	132	134	141	133	138	137	140	135	138
Mean	143	141	137	140	138	139	136	136	138	133	142	136	138	136	133
Std. Devn.	5.94	2.79	2.50	3.20	3.24	0.82	3.33	1.48	2.45	2.62	3.23	1.96	2.50	1.93	2.13
% RSD	4.16	1.99	1.82	2.28	2.34	0.59	2.44	1.09	1.77	1.96	2.28	1.44	1.81	1.42	1.60

	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-1602-1	0.412	0.371	0.377	0.373	0.377	0.370	0.380	0.362	0.378	0.363	0.384	0.367	0.373	0.378	0.370
ME-1602-2	0.386	0.360	0.379	0.366	0.381	0.370	0.374	0.366	0.376	0.365	0.386	0.370	0.378	0.375	0.362
ME-1602-3	0.382	0.370	0.378	0.370	0.379	0.380	0.376	0.366	0.373	0.362	0.388	0.368	0.369	0.385	0.357
ME-1602-4	0.385	0.372	0.369	0.359	0.384	0.370	0.373	0.365	0.382	0.363	0.377	0.373	0.378	0.379	0.362
ME-1602-5	0.390	0.374	0.375	0.367	0.388	0.360	0.373	0.363	0.378	0.364	0.380	0.366	0.379	0.381	0.367
ME-1602-6	0.380	0.371	0.380	0.361	0.373	0.370	0.368	0.362	0.372	0.362	0.385	0.367	0.371	0.381	0.378
ME-1602-7	0.387	0.359	0.377	0.365	0.381	0.370	0.368	0.365	0.372	0.365	0.379	0.366	0.374	0.382	0.363
ME-1602-8	0.391	0.367	0.381	0.357	0.373	0.370	0.370	0.361	0.375	0.366	0.385	0.369	0.370	0.379	0.359
ME-1602-9	0.380	0.368	0.369	0.365	0.375	0.370	0.368	0.365	0.369	0.361	0.378	0.370	0.372	0.383	0.367
ME-1602-10	0.379	0.372	0.376	0.370	0.390	0.370	0.364	0.362	0.378	0.362	0.378	0.376	0.371	0.379	0.364
Mean	0.387	0.368	0.376	0.365	0.380	0.370	0.371	0.363	0.375	0.363	0.382	0.369	0.374	0.380	0.365
Std. Devn.	0.0097	0.0051	0.0041	0.0051	0.0059	0.0047	0.0046	0.0018	0.0039	0.0016	0.0040	0.0032	0.0036	0.0028	0.0060
% RSD	2.50	1.39	1.10	1.40	1.56	1.27	1.25	0.48	1.03	0.45	1.05	0.87	0.97	0.74	1.65
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-1602-1	1.14	1.11	1.12	1.16	1.12	1.14	1.17	1.06	1.15	1.08	1.10	1.12	1.16	1.16	1.15
ME-1602-2	1.13	1.09	1.12	1.15	1.12	1.13	1.16	1.08	1.15	1.09	1.08	1.12	1.15	1.14	1.13
ME-1602-3	1.14	1.13	1.12	1.14	1.12	1.12	1.15	1.08	1.14	1.08	1.08	1.11	1.15	1.20	1.12
ME-1602-4	1.13	1.12	1.12	1.15	1.13	1.13	1.13	1.08	1.17	1.09	1.11	1.14	1.16	1.16	1.13
ME-1602-5	1.15	1.13	1.12	1.15	1.12	1.14	1.13	1.07	1.15	1.09	1.09	1.10	1.15	1.13	1.14
ME-1602-6	1.13	1.13	1.16	1.14	1.11	1.13	1.14	1.08	1.14	1.08	1.09	1.12	1.15	1.13	1.17
ME-1602-7	1.13	1.11	1.10	1.14	1.14	1.14	1.12	1.09	1.14	1.08	1.11	1.11	1.15	1.17	1.13
ME-1602-8	1.16	1.12	1.11	1.14	1.10	1.14	1.12	1.08	1.14	1.09	1.09	1.13	1.14	1.20	1.11
ME-1602-9	1.12	1.12	1.12	1.14	1.11	1.12	1.12	1.08	1.13	1.08	1.10	1.13	1.14	1.19	1.14
ME-1602-10	1.12	1.14	1.09	1.16	1.13	1.14	1.11	1.07	1.15	1.09	1.09	1.14	1.15	1.21	1.12
Mean	1.13	1.12	1.12	1.15	1.12	1.13	1.14	1.08	1.15	1.08	1.09	1.12	1.15	1.17	1.13
Std. Devn.	0.0146	0.0163	0.0180	0.0082	0.0114	0.0082	0.0199	0.0074	0.0107	0.0021	0.0107	0.0125	0.0067	0.0300	0.0171
% RSD	1.29	1.46	1.61	0.72	1.02	0.73	1.75	0.69	0.94	0.19	0.98	1.11	0.58	2.56	1.51
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-1602-1	0.805	0.780	0.806	0.760	0.788	0.780	0.80	0.759	0.780	0.744	0.761	0.767	0.782	0.770	0.807
ME-1602-2	0.796	0.783	0.810	0.759	0.794	0.780	0.79	0.748	0.760	0.737	0.747	0.771	0.781	0.771	0.799
ME-1602-3	0.788	0.795	0.808	0.750	0.791	0.800	0.79	0.754	0.760	0.745	0.756	0.761	0.769	0.787	0.777
ME-1602-4	0.787	0.794	0.792	0.757	0.800	0.790	0.77	0.750	0.780	0.739	0.747	0.779	0.792	0.767	0.782
ME-1602-5	0.796	0.801	0.803	0.756	0.806	0.770	0.77	0.743	0.780	0.738	0.748	0.760	0.795	0.779	0.804
ME-1602-6	0.785	0.795	0.809	0.758	0.771	0.780	0.78	0.758	0.760	0.743	0.748	0.766	0.764	0.770	0.827
ME-1602-7	0.793	0.793	0.802	0.750	0.801	0.780	0.77	0.759	0.770	0.740	0.760	0.768	0.772	0.779	0.782
ME-1602-8	0.810	0.787	0.807	0.747	0.778	0.780	0.76	0.753	0.770	0.748	0.754	0.770	0.783	0.776	0.778
ME-1602-9	0.779	0.800	0.794	0.743	0.776	0.780	0.76	0.754	0.760	0.746	0.764	0.771	0.761	0.783	0.795
ME-1602-10	0.784	0.806	0.805	0.758	0.810	0.790	0.76	0.746	0.770	0.739	0.750	0.780	0.778	0.771	0.780
Mean	0.792	0.793	0.804	0.754	0.792	0.783	0.774	0.752	0.769	0.742	0.754	0.769	0.778	0.775	0.793
Std. Devn.	0.0097	0.0081	0.0061	0.0058	0.0132	0.0082	0.0130	0.0055	0.0088	0.0038	0.0064	0.0066	0.0112	0.0065	0.0163
% RSD	1.23	1.02	0.76	0.78	1.67	1.05	1.68	0.74	1.14	0.51	0.85	0.85	1.44	0.84	2.06

Notes: Pb data from lab 8 was removed for failing the t test.

Participating Laboratories:
(not in same order as listed in table of results)

Activation Laboratories, Ancaster, ON, Canada
ALS Canada, Vancouver, BC, Canada
ALS South America, Lima Peru
ALS Loughrea (Omac), Ireland
Andes Analytical Assay, Santiago, Chile
Argetest, Ankara, Turkey
Bureau Veritas (Ultra Trace), Perth Australia
Bureau Veritas (Acme), Vancouver, BC, Canada
Certimin, Lima, Peru
Met-Solve Analytical Services, Langley, BC, Canada
SGS Lakefield, Peterborough, ON, Canada
SGS, Lima, Peru
SGS, Vancouver, BC, Canada
Skyline, Tucson, Arizona, USA
TSL Laboratories Ltd., Saskatoon, SK, Canada

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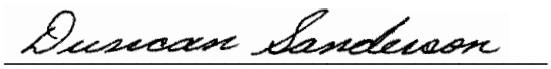
Certified by 
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Geochemist 
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