

# CDN Resource Laboratories Ltd.

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## REFERENCE MATERIAL: CDN-FCM-6

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>2.15 g/t ± 0.16 g/t</i>	<i>Certified value</i>
<i>Silver</i>	<i>156.8 g/t ± 7.9 g/t</i>	<i>Certified value</i>
<i>Copper</i>	<i>1.251 % ± 0.064 %</i>	<i>Certified value</i>
<i>Lead</i>	<i>1.52 % ± 0.06 %</i>	<i>Certified value</i>
<i>Zinc</i>	<i>9.27 % ± 0.44 %</i>	<i>Certified value</i>

**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.

**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 22, 2011

### **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 laboratories for round robin assaying.

### **ORIGIN OF REFERENCE MATERIAL:**

The ore was supplied by Farallon Resources from their Campo Morado property in Mexico. The Campo Morado precious-metal-bearing, volcanogenic massive sulphide deposits occur in a lower Cretaceous bimodal, calc-alkaline volcanic sequence. Most deposits occur in the upper part of a sequence of felsic flows and heterolithic volcanoclastic rocks or at its contact with overlying chert and argillite. Gold, silver, zinc, and lead are associated with pyrite, quartz, ankerite, sphalerite, chalcopyrite and galena, with minor tennantite-freibergite, arsenopyrite, and pyrrhotite.

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

	Percent		Percent
SiO <sub>2</sub>	36.3	MgO	1.4
Al <sub>2</sub> O <sub>3</sub>	2.5	K <sub>2</sub> O	0.5
Fe <sub>2</sub> O <sub>3</sub>	23.5	TiO <sub>2</sub>	<0.1
CaO	2.4	LOI	13.8
Na <sub>2</sub> O	<0.1	S	24.3

### **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  $\pm 2$  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-FCM-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	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
FCM6-1	2.26	2.22	2.13	2.20	2.00	2.23	2.08	2.02	2.01	2.21	2.16	2.02	2.23	2.26	2.10
FCM6-2	2.29	2.13	2.01	2.07	1.97	2.27	2.19	2.14	2.14	2.10	2.16	2.06	2.19	2.19	2.14
FCM6-3	2.11	2.14	2.18	2.15	1.94	2.24	2.16	2.19	2.09	2.12	2.20	2.02	2.10	2.26	2.15
FCM6-4	2.28	2.11	2.24	2.14	1.95	2.21	2.12	2.12	2.05	2.11	2.19	2.13	2.11	2.12	2.14
FCM6-5	2.26	2.16	2.49	2.08	2.06	2.32	2.05	1.98	1.96	2.18	2.20	2.06	2.20	2.23	2.11
FCM6-6	2.29	2.19	2.67	2.13	2.02	2.27	2.24	2.18	2.04	2.14	2.18	2.13	2.08	2.22	2.18
FCM6-7	2.25	2.15	2.43	2.02	2.03	2.34	2.08	2.08	2.13	2.19	2.16	1.99	2.13	2.24	2.17
FCM6-8	2.18	2.14	2.34	2.31	2.01	2.26	2.20	2.14	2.09	2.28	2.15	1.92	2.05	2.21	2.08
FCM6-9	2.09	2.24	2.46	2.15	2.00	2.28	2.06	2.05	2.14	2.26	2.12	1.92	2.20	2.24	2.13
FCM6-10	2.15	2.26	2.26	2.05	1.94	2.26	2.09	2.18	2.02	2.19	2.17	2.13	2.22	2.14	2.14
Mean	2.22	2.17	2.32	2.13	1.99	2.27	2.13	2.11	2.07	2.18	2.17	2.04	2.15	2.21	2.13
Std. Devn.	0.0778	0.0508	0.1960	0.0835	0.0421	0.0391	0.0665	0.0727	0.0611	0.0614	0.0266	0.0797	0.0658	0.0479	0.0315
% RSD	3.51	2.34	8.44	3.92	2.11	1.72	3.13	3.45	2.96	2.82	1.23	3.91	3.06	2.17	1.47
	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
FCM6-1	161	155	143	168	153.7	154	154.2	153	160	158	163	155.8	174.2	157	151
FCM6-2	158	159	149	162	154.7	152	154.1	154	161	157	166	152.4	174.9	162	156
FCM6-3	160	158	158	157	154.9	149	156.7	152	161	158	164	152.4	174.1	164	150
FCM6-4	163	158	149	157	155.1	153	153.5	154	158	156	168	156.5	174.3	161	150
FCM6-5	161	156	152	159	155.1	146	154.0	156	160	156	167	154.8	174.8	162	154
FCM6-6	158	157	153	162	155.3	154	156.4	152	162	155	166	158.1	174.5	153	154
FCM6-7	162	158	155	161	155.1	149	153.0	152	163	161	161	158.0	172.2	153	152
FCM6-8	164	156	151	156	157.2	153	155.2	158	158	157	167	160.0	172.1	158	154
FCM6-9	164	161	155	161	155.1	149	158.7	154	164	159	165	158.7	174.2	158	155
FCM6-10	163	155	156	158	156.2	151	158.1	155	162	157	167	156.6	173.5	160	155
Mean	161.4	157.3	152.1	160.1	155.2	151.0	155.4	154.0	160.9	157.4	165.4	156.3	173.9	158.8	153.1
Std. Devn.	2.2211	1.8886	4.3576	3.5418	0.9089	2.6667	1.9824	1.9437	1.9692	1.7127	2.1313	2.5447	0.9908	3.7357	2.1833
% RSD	1.38	1.20	2.86	2.21	0.59	1.77	1.28	1.26	1.22	1.09	1.29	1.63	0.57	2.35	1.43

**Note:** Au results from Laboratory 3 were removed for failing the “t” test.  
Ag results from Laboratory 13 were removed for failing the “t” test.

## REFERENCE MATERIAL CDN-FCM-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	Lab 14	Lab 15
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
FCM6-1	1.30	1.25	1.14	1.23	1.19	1.22	1.22	1.28	1.22	1.25	1.26	1.25	1.32	1.25	1.24
FCM6-2	1.27	1.28	1.15	1.24	1.19	1.21	1.22	1.28	1.26	1.22	1.27	1.24	1.30	1.26	1.23
FCM6-3	1.26	1.28	1.22	1.29	1.19	1.20	1.23	1.28	1.22	1.24	1.26	1.24	1.31	1.26	1.21
FCM6-4	1.29	1.28	1.16	1.25	1.20	1.22	1.22	1.27	1.19	1.21	1.27	1.25	1.28	1.25	1.23
FCM6-5	1.29	1.27	1.20	1.25	1.20	1.24	1.21	1.29	1.22	1.24	1.28	1.23	1.30	1.26	1.24
FCM6-6	1.26	1.29	1.24	1.26	1.20	1.22	1.24	1.28	1.25	1.19	1.27	1.24	1.31	1.26	1.24
FCM6-7	1.27	1.29	1.23	1.30	1.20	1.20	1.23	1.29	1.24	1.31	1.27	1.23	1.29	1.26	1.24
FCM6-8	1.30	1.28	1.17	1.30	1.20	1.21	1.24	1.30	1.24	1.25	1.28	1.23	1.30	1.24	1.25
FCM6-9	1.30	1.30	1.22	1.27	1.19	1.22	1.24	1.28	1.23	1.22	1.28	1.23	1.32	1.26	1.25
FCM6-10	1.30	1.27	1.23	1.27	1.19	1.22	1.25	1.29	1.27	1.23	1.28	1.22	1.31	1.26	1.24
Mean	1.28	1.28	1.19	1.27	1.20	1.22	1.23	1.28	1.23	1.24	1.27	1.24	1.30	1.26	1.24
Std. Devn.	0.0159	0.0123	0.0336	0.0246	0.0052	0.0117	0.0125	0.0096	0.0232	0.0320	0.0069	0.0097	0.0132	0.0070	0.0116
% RSD	1.24	0.97	2.82	1.94	0.43	0.97	1.01	0.75	1.88	2.59	0.54	0.78	1.01	0.56	0.94
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
FCM6-1	1.55	1.47	1.28	1.54	1.53	1.49	1.53	1.53	1.52	1.53	1.53	1.58	1.65	1.48	1.48
FCM6-2	1.54	1.50	1.29	1.47	1.51	1.53	1.53	1.51	1.54	1.50	1.56	1.59	1.65	1.48	1.51
FCM6-3	1.54	1.50	1.43	1.53	1.54	1.51	1.53	1.52	1.53	1.52	1.53	1.59	1.63	1.47	1.49
FCM6-4	1.58	1.49	1.30	1.48	1.55	1.50	1.52	1.38	1.51	1.50	1.54	1.59	1.64	1.48	1.49
FCM6-5	1.55	1.48	1.38	1.43	1.54	1.50	1.47	1.53	1.52	1.50	1.55	1.63	1.64	1.51	1.49
FCM6-6	1.55	1.50	1.38	1.50	1.57	1.53	1.50	1.52	1.54	1.48	1.53	1.61	1.64	1.48	1.51
FCM6-7	1.57	1.51	1.40	1.51	1.54	1.49	1.52	1.51	1.54	1.52	1.52	1.62	1.62	1.44	1.51
FCM6-8	1.58	1.47	1.37	1.52	1.55	1.52	1.51	1.51	1.50	1.52	1.53	1.63	1.63	1.47	1.52
FCM6-9	1.59	1.52	1.39	1.56	1.52	1.49	1.53	1.50	1.52	1.51	1.51	1.62	1.63	1.46	1.53
FCM6-10	1.58	1.48	1.42	1.62	1.52	1.52	1.52	1.51	1.54	1.50	1.54	1.63	1.63	1.45	1.50
Mean	1.56	1.49	1.36	1.52	1.54	1.51	1.52	1.50	1.53	1.51	1.53	1.61	1.64	1.47	1.50
Std. Devn.	0.0189	0.0165	0.0544	0.0523	0.0174	0.0162	0.0190	0.0436	0.0143	0.0148	0.0130	0.0197	0.0091	0.0193	0.0157
% RSD	1.21	1.11	3.99	3.45	1.13	1.07	1.25	2.90	0.94	0.98	0.85	1.22	0.56	1.31	1.04
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
FCM6-1	10.00	8.86	8.14	9.23	9.58	9.40	9.22	9.37	9.45	9.36	8.97	9.17	9.79	9.22	8.85
FCM6-2	9.77	9.06	8.50	9.00	9.32	9.37	9.24	9.35	9.50	9.27	9.09	9.22	9.84	9.21	8.86
FCM6-3	9.88	9.13	9.12	8.93	9.52	9.35	9.31	9.35	9.50	9.42	9.02	9.18	9.74	9.17	8.89
FCM6-4	10.02	9.08	8.46	8.41	9.53	9.28	9.27	9.25	9.38	9.30	9.03	9.23	9.81	9.23	8.87
FCM6-5	9.91	8.99	8.66	8.41	9.42	9.30	9.11	9.42	9.49	9.29	9.03	9.36	9.82	9.47	8.82
FCM6-6	9.77	9.12	8.87	8.70	9.72	9.36	9.24	9.35	9.54	9.23	9.05	9.30	9.81	9.23	8.79
FCM6-7	9.92	9.12	8.82	9.13	9.53	9.34	9.28	9.41	9.54	9.36	8.89	9.34	9.69	9.22	8.81
FCM6-8	10.17	9.07	8.57	9.27	9.62	9.38	9.26	9.47	9.28	9.30	9.04	9.38	9.74	9.28	8.86
FCM6-9	10.15	9.18	8.84	9.32	9.40	9.25	9.37	9.37	9.63	9.25	9.00	9.40	9.76	9.17	8.80
FCM6-10	10.20	8.98	8.91	9.42	9.46	9.31	9.21	9.46	9.48	9.26	9.02	9.37	9.65	9.17	8.86
Mean	9.98	9.06	8.69	8.98	9.51	9.33	9.25	9.38	9.48	9.30	9.01	9.30	9.77	9.24	8.84
Std. Devn.	0.1571	0.0933	0.2809	0.3666	0.1166	0.0477	0.0681	0.0644	0.0952	0.0591	0.0533	0.0875	0.0610	0.0888	0.0335
% RSD	1.57	1.03	3.23	4.08	1.23	0.51	0.74	0.69	1.00	0.64	0.59	0.94	0.62	0.96	0.38

**Note:** Cu results from Laboratory 3 were removed for failing the “t” test.  
Pb results from Laboratories 3 and 13 were removed for failing the “t” test.  
Zn results from Laboratories 1 and 13 were removed for failing the “t” test

**REFERENCE MATERIAL CDN-FCM-6**

**Participating Laboratories:**

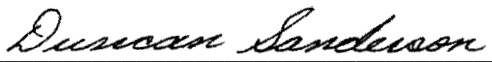
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver  
Actlabs-Ancaster, Ontario, Canada  
Actlabs-Thunder Bay, Ontario, Canada  
ALS Chemex Laboratories, North Vancouver  
American Assay Laboratory, Nevada, USA  
Genalysis Laboratory, Australia  
Inspectorate, Richmond, B.C., Canada  
Omac Laboratories Ltd., Ireland  
Skyline Assayers and Laboratories, Arizona, USA  
SGS – Vancouver, B.C., Canada  
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Certified by

  
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Duncan Sanderson, Certified Assayer of B.C.

Geochemist

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