

CDN Resource Laboratories Ltd.

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ORE REFERENCE STANDARD: CDN-CM-7

Recommended values and the “Between Lab” Two Standard Deviations

Gold: 0.427 ± 0.042 g/t
Copper: 0.445 ± 0.027 %
Molybdenum: 0.027 ± 0.002 %

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 1, 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 7 days in a double-cone blender. Splits were taken and sent to 14 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-7 was prepared using a porphyry gold-copper-molybdenum ore from British Columbia, Canada

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	61.6		MgO	1.4
Al ₂ O ₃	14.4		K ₂ O	7.5
Fe ₂ O ₃	7.0		TiO ₂	0.5
CaO	1.0		LOI	4.5
Na ₂ O	1.3		S	2.4
C	0.3			

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 ± 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.

Results from round-robin assaying are displayed on the following page.

STANDARD REFERENCE MATERIAL CDN-CM-7

Assay Procedures: Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).

Cu, Mo: 4-acid digestion, AA or ICP finish.

	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
SAMPLE	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
CM7-1	0.471	0.427	0.449	0.421	0.42	0.44	0.41	0.507	0.37	0.44	0.424	0.451	0.409	0.45
CM7-2	0.463	0.430	0.459	0.417	0.40	0.45	0.43	0.462	0.43	0.45	0.399	0.418	0.430	0.45
CM7-3	0.442	0.438	0.449	0.393	0.42	0.44	0.43	0.427	0.42	0.44	0.393	0.452	0.429	0.45
CM7-4	0.416	0.456	0.458	0.428	0.42	0.43	0.41	0.475	0.39	0.47	0.416	0.408	0.399	0.40
CM7-5	0.444	0.435	0.484	0.434	0.42	0.44	0.36	0.448	0.38	0.43	0.408	0.401	0.396	0.41
CM7-6	0.438	0.409	0.444	0.401	0.41	0.46	0.41	0.438	0.40	0.46	0.439	0.423	0.398	0.46
CM7-7	0.456	0.424	0.411	0.378	0.41	0.44	0.38	0.423	0.41	0.43	0.441	0.446	0.411	0.42
CM7-8	0.479	0.446	0.425	0.439	0.41	0.43	0.40	0.380	0.42	0.43	0.435	0.437	0.419	0.42
CM7-9	0.418	0.428	0.519	0.439	0.42	0.43	0.39	0.412	0.41	0.46	0.418	0.412	0.399	0.43
CM7-10	0.464	0.422	0.462	0.410	0.45	0.42	0.36	0.408	0.39	0.43	0.437	0.406	0.411	0.45
Mean	0.449	0.432	0.456	0.416	0.418	0.438	0.398	0.438	0.402	0.444	0.421	0.425	0.410	0.434
Std. Dev'n	0.0213	0.0131	0.0299	0.0205	0.0132	0.0114	0.0253	0.0367	0.0193	0.0151	0.0172	0.0195	0.0126	0.0207
%RSD	4.75	3.04	6.55	4.93	3.15	2.59	6.36	8.37	4.81	3.39	4.08	4.59	3.07	4.76
	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %
CM7-1	0.453	0.437	0.462	0.436	0.446	0.426	0.468	0.456	0.429	0.454	0.439	0.456	0.432	0.45
CM7-2	0.450	0.440	0.458	0.439	0.442	0.440	0.465	0.447	0.424	0.459	0.428	0.448	0.408	0.46
CM7-3	0.444	0.440	0.468	0.451	0.437	0.428	0.475	0.460	0.421	0.457	0.426	0.432	0.412	0.46
CM7-4	0.437	0.434	0.462	0.449	0.442	0.425	0.468	0.448	0.422	0.459	0.411	0.440	0.420	0.46
CM7-5	0.451	0.444	0.468	0.437	0.450	0.445	0.474	0.450	0.431	0.452	0.435	0.434	0.427	0.46
CM7-6	0.448	0.439	0.459	0.436	0.448	0.423	0.46	0.453	0.403	0.450	0.437	0.441	0.430	0.46
CM7-7	0.440	0.439	0.468	0.445	0.447	0.428	0.468	0.449	0.425	0.449	0.430	0.446	0.426	0.45
CM7-8	0.442	0.440	0.464	0.421	0.452	0.420	0.474	0.447	0.425	0.453	0.425	0.445	0.432	0.46
CM7-9	0.441	0.445	0.467	0.441	0.450	0.425	0.476	0.451	0.400	0.452	0.433	0.441	0.431	0.46
CM7-10	0.449	0.452	0.464	0.433	0.449	0.428	0.471	0.457	0.434	0.458	0.435	0.438	0.425	0.45
Mean	0.446	0.441	0.464	0.439	0.446	0.429	0.470	0.452	0.421	0.454	0.430	0.442	0.424	0.457
Std. Dev'n	0.0054	0.0050	0.0037	0.0086	0.0046	0.0077	0.0051	0.0045	0.0112	0.0037	0.0081	0.0070	0.0084	0.0048
%RSD	1.21	1.13	0.81	1.96	1.04	1.80	1.08	1.01	2.67	0.82	1.89	1.59	1.99	1.06
	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %
CM7-1	0.0273	0.028	0.0245	0.027	0.027	0.0267	0.030	0.0272	0.0250	0.0260	0.026		0.026	0.029
CM7-2	0.0261	0.031	0.0251	0.027	0.026	0.0280	0.031	0.0272	0.0242	0.0260	0.027		0.026	0.028
CM7-3	0.0266	0.028	0.0265	0.026	0.026	0.0254	0.031	0.0272	0.0247	0.0265	0.027		0.026	0.028
CM7-4	0.0258	0.028	0.0252	0.026	0.027	0.0253	0.031	0.0276	0.0246	0.0275	0.025		0.028	0.028
CM7-5	0.0268	0.030	0.0261	0.026	0.026	0.0283	0.031	0.0270	0.0252	0.0280	0.025		0.025	0.028
CM7-6	0.0273	0.029	0.0249	0.026	0.027	0.0269	0.032	0.0271	0.0245	0.0260	0.026		0.026	0.027
CM7-7	0.0262	0.029	0.0252	0.026	0.027	0.0271	0.031	0.0273	0.0245	0.0270	0.026		0.025	0.028
CM7-8	0.0254	0.029	0.0269	0.026	0.026	0.0259	0.031	0.0264	0.0249	0.0280	0.026		0.026	0.028
CM7-9	0.0256	0.031	0.027	0.026	0.026	0.0269	0.030	0.0274	0.0251	0.0265	0.026		0.026	0.028
CM7-10	0.0267	0.030	0.0257	0.026	0.027	0.0268	0.032	0.0268	0.0246	0.0275	0.028		0.026	0.028
Mean	0.0264	0.0293	0.0257	0.0262	0.0265	0.0267	0.0310	0.0271	0.0247	0.0269	0.0262		0.0260	0.0280
Std. Dev'n	0.0007	0.0012	0.0009	0.0004	0.0005	0.0010	0.0007	0.0003	0.0003	0.0008	0.0009		0.0008	0.0005
%RSD	2.54	3.96	3.40	1.61	1.99	3.70	2.15	1.23	1.27	3.01	3.51		3.14	1.68

Note: "Mo" data from laboratory 7 was excluded from the calculations for failing the t test. Laboratory 12 did not report for "Mo" data.

STANDARD REFERENCE MATERIAL CDN-CM-7

Participating Laboratories:

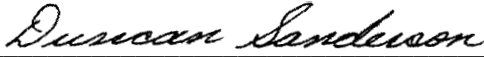
(not in same order as listed in table of results)

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