

CDN Resource Laboratories Ltd.

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STANDARD REFERENCE MATERIAL: CDN-CM-11A

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>1.014 g/t ± 0.106 g/t</i>	<i>Certified value</i>
<i>Copper</i>	<i>0.332 % ± 0.012 %</i>	<i>Certified value</i>
<i>Molybdenum</i>	<i>0.038 % ± 0.004 %</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 10, 2011

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-11A was prepared using a North American calc-alkalic copper-gold-molybdenum porphyry ore. It is derived from altered granodiorite, mafic to intermediate volcanic and volcanoclastic sedimentary rocks. Mineralization is principally pyrite, chalcopyrite and molybdenite that occurs in veins, stockworks and disseminations. 705 kg of this ore was blended with 8 kg of a Cu-Au-Mo concentrate.

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 blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

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

	Percent			Percent
SiO ₂	74.1		MgO	1.3
Al ₂ O ₃	9.8		K ₂ O	1.1
Fe ₂ O ₃	5.3		TiO ₂	0.4
CaO	2.3		LOI	1.7
Na ₂ O	2.7		S	0.4
C	0.1			

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.

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Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
 Cu, Mo: 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
CM-11A-1	0.955	1.02	0.925	1.04	1.03	1.03	1.040	1.07	1.08	1.11	0.93	1.08	0.994	1.03	1.039
CM-11A-2	1.006	1.07	0.925	1.02	1.04	1.00	0.932	1.03	1.03	1.10	0.90	1.05	0.945	1.10	0.916
CM-11A-3	0.949	1.04	0.903	0.95	1.04	1.03	0.943	1.02	1.09	1.10	0.95	1.04	0.968	1.08	1.003
CM-11A-4	0.920	1.01	0.891	0.97	0.97	1.05	0.998	1.02	1.15	1.05	0.95	1.04	1.046	1.03	0.975
CM-11A-5	0.952	1.03	0.899	0.99	1.07	1.04	1.050	1.10	1.06	1.10	0.96	1.00	1.007	1.06	0.918
CM-11A-6	0.973	0.98	0.951	0.98	1.05	1.05	0.971	1.04	0.99	1.03	1.00	1.07	1.006	1.03	1.056
CM-11A-7	0.921	1.01	0.876	0.98	0.99	1.05	1.050	1.07	0.99	1.09	0.99	1.06	0.810	1.10	1.044
CM-11A-8	0.944	0.98	0.922	0.99	1.04	1.05	0.964	1.02	1.01	1.06	0.97	1.05	1.086	1.05	0.990
CM-11A-9	1.065	1.08	0.859	1.04	0.98	0.99	1.090	1.06	1.08	1.07	0.97	1.04	1.025	1.08	0.923
CM-11A-10	0.939	0.94	0.971	0.95	1.08	1.02	0.983	1.00	1.00	1.06	0.95	1.06	1.047	1.10	1.059
Mean	0.962	1.014	0.912	0.989	1.029	1.031	1.002	1.043	1.048	1.077	0.957	1.048	0.993	1.066	0.992
Std. Devn.	0.0438	0.0422	0.0337	0.0331	0.0373	0.0202	0.0527	0.0309	0.0545	0.0267	0.0287	0.0230	0.0761	0.0292	0.0577
% RSD	4.55	4.16	3.70	3.35	3.62	1.96	5.26	2.97	5.20	2.48	3.00	2.20	7.66	2.74	5.81
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CM-11A-1	0.324	0.326	0.34	0.33	0.33	0.34	0.331	0.319	0.338	0.324	0.341	0.332	0.343	0.332	0.34
CM-11A-2	0.329	0.327	0.33	0.32	0.32	0.34	0.328	0.340	0.334	0.328	0.329	0.327	0.356	0.338	0.34
CM-11A-3	0.327	0.327	0.31	0.33	0.33	0.34	0.330	0.339	0.336	0.335	0.342	0.333	0.352	0.333	0.33
CM-11A-4	0.329	0.317	0.32	0.32	0.33	0.33	0.330	0.336	0.335	0.334	0.341	0.336	0.343	0.337	0.34
CM-11A-5	0.335	0.330	0.34	0.33	0.33	0.34	0.323	0.338	0.344	0.329	0.335	0.333	0.357	0.335	0.33
CM-11A-6	0.335	0.329	0.35	0.32	0.33	0.33	0.328	0.337	0.321	0.338	0.339	0.333	0.343	0.334	0.33
CM-11A-7	0.338	0.330	0.34	0.32	0.33	0.34	0.324	0.324	0.330	0.338	0.341	0.332	0.343	0.337	0.34
CM-11A-8	0.336	0.329	0.32	0.33	0.33	0.33	0.329	0.325	0.327	0.334	0.338	0.335	0.348	0.336	0.34
CM-11A-9	0.339	0.328	0.33	0.33	0.33	0.33	0.324	0.333	0.327	0.331	0.339	0.333	0.342	0.337	0.33
CM-11A-10	0.334	0.342	0.34	0.32	0.33	0.33	0.327	0.326	0.331	0.326	0.334	0.328	0.347	0.333	0.33
Mean	0.333	0.329	0.332	0.325	0.329	0.335	0.327	0.332	0.332	0.332	0.338	0.332	0.347	0.335	0.335
Std. Devn.	0.0050	0.0061	0.0123	0.0053	0.0032	0.0053	0.0028	0.0075	0.0065	0.0050	0.0041	0.0028	0.0058	0.0020	0.0053
% RSD	1.51	1.84	3.70	1.62	0.96	1.57	0.87	2.27	1.97	1.50	1.21	0.85	1.67	0.58	1.57
	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo
CM-11A-1	0.037	0.035	0.030	0.030	0.037	0.034	0.039	0.038	0.037	0.040	0.040	0.037	0.037	0.036	0.037
CM-11A-2	0.036	0.034	0.030	0.030	0.038	0.034	0.039	0.039	0.039	0.039	0.039	0.037	0.037	0.037	0.038
CM-11A-3	0.037	0.035	0.030	0.040	0.036	0.034	0.038	0.038	0.038	0.040	0.041	0.038	0.038	0.036	0.038
CM-11A-4	0.036	0.034	0.040	0.030	0.037	0.034	0.039	0.037	0.039	0.039	0.041	0.039	0.039	0.036	0.038
CM-11A-5	0.037	0.035	0.040	0.030	0.037	0.035	0.038	0.036	0.039	0.039	0.041	0.037	0.037	0.036	0.037
CM-11A-6	0.036	0.034	0.040	0.040	0.037	0.034	0.037	0.038	0.037	0.038	0.042	0.038	0.038	0.036	0.038
CM-11A-7	0.037	0.035	0.040	0.040	0.037	0.034	0.039	0.038	0.037	0.039	0.040	0.038	0.038	0.036	0.038
CM-11A-8	0.037	0.035	0.040	0.040	0.036	0.033	0.040	0.038	0.037	0.039	0.041	0.038	0.038	0.037	0.037
CM-11A-9	0.036	0.034	0.040	0.040	0.036	0.034	0.038	0.038	0.038	0.039	0.041	0.039	0.039	0.037	0.038
CM-11A-10	0.037	0.036	0.040	0.040	0.037	0.034	0.039	0.039	0.039	0.039	0.040	0.037	0.037	0.036	0.037
Mean	0.037	0.035	0.037	0.036	0.037	0.034	0.039	0.038	0.038	0.039	0.041	0.038	0.038	0.036	0.038
Std. Devn.	0.0005	0.0007	0.0048	0.0052	0.0006	0.0005	0.0008	0.0009	0.0009	0.0005	0.0008	0.0007	0.0007	0.0005	0.0005
% RSD	1.41	2.00	13.06	14.34	1.72	1.39	2.18	2.31	2.48	1.34	2.06	1.80	1.80	1.28	1.37

STANDARD REFERENCE MATERIAL CDN-CM-11A

Participating Laboratories:

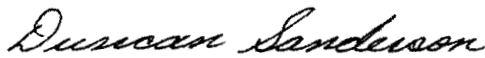
(not in same order as listed in table of results)

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Certified by



Duncan Sanderson, Certified Assayer of B.C.

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