

CDN Resource Laboratories Ltd.

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STANDARD REFERENCE MATERIAL: CDN-CM-13

Recommended values and the “Between Lab” Two Standard Deviations

Gold: 0.740 ± 0.094 g/t
Copper: 0.786 ± 0.036 %
Molybdenum: 0.044 ± 0.004 %

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: June 1, 2011

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-13 was prepared using 800 kg of a granitic rock blended with 20 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	75.5		MgO	1.4
Al ₂ O ₃	10.2		K ₂ O	1.0
Fe ₂ O ₃	4.4		TiO ₂	0.4
CaO	2.5		LOI	2.0
Na ₂ O	2.7		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.

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

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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.

	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-13-1	0.730	0.819	0.650	0.706	0.77	0.744	0.786	0.805	0.770	0.733	0.76	0.800	0.725	0.709	0.784
CM-13-2	0.711	0.814	0.693	0.719	0.69	0.743	0.890	0.800	0.884	0.693	0.78	0.774	0.756	0.774	0.756
CM-13-3	0.757	0.783	0.655	0.709	0.72	0.743	0.816	0.807	0.876	0.685	0.77	0.771	0.680	0.713	0.702
CM-13-4	0.695	0.772	0.667	0.700	0.73	0.770	0.752	0.848	0.736	0.766	0.75	0.792	0.726	0.737	0.724
CM-13-5	0.745	0.683	0.624	0.665	0.67	0.748	0.762	0.871	0.866	0.664	0.78	0.758	0.698	0.770	0.784
CM-13-6	0.720	0.771	0.620	0.699	0.69	0.757	0.818	0.778	0.784	0.699	0.78	0.757	0.684	0.733	0.736
CM-13-7	0.685	0.742	0.693	0.701	0.76	0.732	0.847	0.815	0.796	0.673	0.81	0.745	0.774	0.770	0.641
CM-13-8	0.748	0.700	0.620	0.658	0.68	0.750	0.791	0.855	0.902	0.696	0.83	0.799	0.719	0.707	0.705
CM-13-9	0.741	0.780	0.611	0.705	0.70	0.764	0.822	0.855	0.874	0.691	0.75	0.767	0.721	0.704	0.740
CM-13-10	0.743	0.782	0.644	0.641	0.72	0.756	0.813	0.762	0.850	0.788	0.81	0.775	0.689	0.698	0.731
Mean	0.728	0.765	0.648	0.690	0.713	0.751	0.810	0.820	0.834	0.709	0.782	0.774	0.717	0.732	0.730
Std. Devn.	0.0241	0.0444	0.0298	0.0259	0.0333	0.0112	0.0403	0.0362	0.0572	0.0406	0.0270	0.0185	0.0308	0.0301	0.0422
% RSD	3.31	5.80	4.60	3.75	4.68	1.50	4.98	4.41	6.86	5.72	3.45	2.39	4.29	4.11	5.78
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CM-13-1	0.776	0.785	0.790	0.69	0.799	0.814	0.782	0.792	0.826	0.755	0.779	0.796	0.807	0.748	0.78
CM-13-2	0.766	0.782	0.800	0.72	0.807	0.811	0.791	0.753	0.798	0.759	0.791	0.790	0.789	0.747	0.80
CM-13-3	0.786	0.788	0.790	0.75	0.796	0.801	0.782	0.781	0.793	0.765	0.780	0.785	0.792	0.755	0.78
CM-13-4	0.769	0.797	0.790	0.72	0.806	0.805	0.813	0.761	0.824	0.751	0.780	0.792	0.793	0.745	0.78
CM-13-5	0.784	0.750	0.810	0.70	0.803	0.792	0.790	0.760	0.771	0.752	0.777	0.797	0.798	0.752	0.79
CM-13-6	0.769	0.789	0.770	0.73	0.798	0.813	0.813	0.807	0.818	0.752	0.766	0.783	0.801	0.740	0.79
CM-13-7	0.763	0.791	0.790	0.73	0.806	0.804	0.810	0.771	0.781	0.733	0.778	0.787	0.808	0.750	0.79
CM-13-8	0.767	0.796	0.810	0.73	0.793	0.796	0.795	0.774	0.807	0.789	0.782	0.781	0.802	0.730	0.78
CM-13-9	0.777	0.797	0.790	0.74	0.809	0.795	0.797	0.749	0.808	0.785	0.783	0.792	0.812	0.751	0.80
CM-13-10	0.781	0.783	0.760	0.72	0.801	0.796	0.808	0.746	0.771	0.743	0.783	0.785	0.800	0.750	0.79
Mean	0.774	0.786	0.790	0.723	0.802	0.803	0.798	0.769	0.800	0.758	0.780	0.789	0.800	0.747	0.788
Std. Devn.	0.0081	0.0138	0.0156	0.0177	0.0053	0.0080	0.0122	0.0196	0.0205	0.0173	0.0063	0.0056	0.0074	0.0073	0.0079
% RSD	1.05	1.75	1.98	2.44	0.66	1.00	1.52	2.55	2.56	2.28	0.80	0.71	0.93	0.97	1.00
	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo
CM-13-1	0.042	0.043	0.042	0.04	0.046	0.041	0.045	0.046	0.045	0.041	0.047	0.041	0.046	0.045	0.043
CM-13-2	0.042	0.043	0.042	0.04	0.047	0.042	0.045	0.045	0.042	0.041	0.047	0.042	0.046	0.042	0.045
CM-13-3	0.043	0.043	0.044	0.04	0.046	0.041	0.046	0.045	0.042	0.041	0.047	0.041	0.045	0.043	0.045
CM-13-4	0.043	0.043	0.045	0.04	0.046	0.041	0.048	0.045	0.046	0.040	0.047	0.043	0.045	0.044	0.045
CM-13-5	0.043	0.041	0.046	0.04	0.047	0.042	0.046	0.044	0.042	0.041	0.048	0.042	0.045	0.043	0.044
CM-13-6	0.041	0.042	0.043	0.04	0.046	0.042	0.046	0.045	0.045	0.041	0.048	0.042	0.045	0.043	0.043
CM-13-7	0.042	0.043	0.045	0.04	0.046	0.040	0.047	0.046	0.042	0.039	0.047	0.043	0.045	0.043	0.043
CM-13-8	0.041	0.043	0.046	0.04	0.046	0.041	0.046	0.048	0.043	0.042	0.048	0.042	0.045	0.042	0.043
CM-13-9	0.043	0.044	0.045	0.05	0.047	0.042	0.046	0.046	0.043	0.042	0.047	0.043	0.046	0.043	0.044
CM-13-10	0.042	0.043	0.046	0.05	0.046	0.041	0.046	0.045	0.042	0.040	0.047	0.042	0.045	0.043	0.045
Mean	0.042	0.043	0.044	0.042	0.046	0.041	0.046	0.046	0.043	0.041	0.047	0.042	0.045	0.043	0.044
Std. Devn.	0.0008	0.0008	0.0016	0.0042	0.0005	0.0007	0.0009	0.0011	0.0015	0.0010	0.0004	0.0005	0.0003	0.0009	0.0009
% RSD	1.87	1.84	3.55	10.04	1.04	1.63	1.90	2.37	3.59	2.43	0.95	1.14	0.57	2.01	2.14

Note: "Au" data from laboratory 9 was excluded from the calculations for failing the t test.
"Cu" data from laboratory 4 was excluded from the calculations for failing the t test.

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Participating Laboratories:

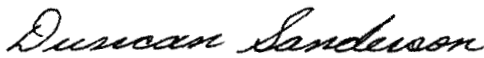
(not in same order as listed in table of results)

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Certified by



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