# CDN Resource Laboratories Ltd.

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## **GOLD ORE REFERENCE STANDARD: CDN-GS-10C**

Recommended value and the "Between Laboratory" two standard deviations

### Gold concentration: 9.71 $\pm$ 0.65 g/t

**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:** October 10, 2008

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

Standard CDN-GS-10C was prepared using ore supplied by Goldcorp (Les Mines Opinaca – Eleonore property). The host rock of the mineralized zones is usually a thinly bedded greywacke. The mineralized zones consist of stockworks of quartz-tourmaline-actinolite-arsenopyrite-pyrrhotite veins and veinlets. The standard was made using a 45/55 blend of ore and blank, granitic material.

### **METHOD OF PREPARATION:**

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to 12 commercial laboratories for round robin assaying. Round robin results are displayed below:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t											
GS10C- 1	10.11	9.25	9.50	9.28	9.60	9.57	9.50	10.20	9.67	10.62	9.83	9.89
GS10C-2	9.97	9.12	9.70	9.76	9.48	10.10	10.10	10.17	10.00	10.60	9.60	9.13
GS10C- 3	9.80	9.84	9.17	9.72	9.62	10.40	10.10	10.19	10.00	10.26	9.70	9.99
GS10C- 4	9.51	9.58	9.30	9.36	9.48	10.50	10.20	9.97	10.30	10.63	9.80	9.99
GS10C- 5	9.71	9.56	9.23	9.56	9.31	9.58	10.00	10.77	9.67	10.52	9.57	10.10
GS10C-6	9.59	10.40	9.50	9.44	9.88	9.58	9.90	9.78	9.00	10.64	9.53	9.26
GS10C- 7	9.79	9.61	9.30	9.52	9.52	10.30	9.40	10.21	10.00	10.30	9.70	9.80
GS10C- 8	10.12	9.87	9.17	9.26	9.51	9.83	9.90	10.38	9.33	10.02	9.37	9.22
GS10C- 9	9.43	9.90	9.80	9.64	9.35	9.60	10.20	10.14	10.70	10.19	9.53	9.89
GS10C-10	9.92	10.00	9.37	9.56	9.44	9.90	9.90	10.75	9.67	9.55	9.67	9.45
Mean	9.80	9.71	9.40	9.51	9.52	9.94	9.92	10.26	9.83	10.33	9.63	9.67
Std. Dev.	0.239	0.372	0.217	0.174	0.157	0.366	0.274	0.310	0.481	0.350	0.138	0.367
%RSD	2.44	3.83	2.31	1.83	1.65	3.68	2.76	3.02	4.89	3.39	1.44	3.80

Note: Results from Laboratory 10 were eliminated due to failing the "t test".

Assay Procedure: all assays were fire assay, gravimetric finish on 30g samples except for labs 8 and 12 which used ICP finish.

#### APPROXIMATE CHEMICAL COMPOSITION:

	Percent		Percent
SiO2	66.7	Na2O	1.7
Al2O3	12.3	MgO	2.8
Fe2O3	6.4	K2O	2.1
CaO	3.7	TiO2	0.5
MnO	0.1	LOI	1.9
S	0.9	С	0.1

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#### **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 mean and standard deviation 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.

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

> Acme Analytical Laboratories Ltd., Vancouver, Canada Activation Laboratories, Ontario, Canada ALS Chemex, North Vancouver, Canada Assayers Canada Ltd., Vancouver, Canada Alex Stewart (Assayers) Argentina Ltd. Genalysis Lab.Services, Australia Labtium Inc., Finland Omac Laboratory, Ireland Skyline Assayers & Laboratories Ltd, Arizona, USA International Plasma Laboratories, Canada TSL Laboratories Ltd., Saskatoon, Canada Ultra Trace Pty. Ltd., Australia

#### Legal Notice:

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Certified by

Duncan Sanderson, Certified Assayer of B.C.

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