

# CDN Resource Laboratories Ltd.

Unit 2 - 20148, 102nd Avenue, Langley, B.C., Canada, V1M 4B4, Ph: 604-882-8422 Fax: 604-882-8466  
(www.cdnlabs.com)

## ORE REFERENCE STANDARD: CDN-CGS-19

Recommended values and the "Between Lab" Two Standard Deviations

*Copper concentration:* 0.132 ± 0.010 %

*Gold concentration:* 0.74 ± 0.07 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:** June 15, 2008

### **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 13 laboratories for round robin assaying.

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

This standard is made from a combination of granitic material and Au / Cu ores.

### **Approximate chemical composition is as follows:**

	Percent			Percent
SiO <sub>2</sub>	61.0		MgO	3.0
Al <sub>2</sub> O <sub>3</sub>	13.4		K <sub>2</sub> O	1.8
Fe <sub>2</sub> O <sub>3</sub>	8.7		TiO <sub>2</sub>	0.7
CaO	3.8		LOI	3.0
Na <sub>2</sub> O	2.5		S	1.1

### **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.

## **STANDARD REFERENCE MATERIAL CDN-CGS-19**

### **Results from round-robin assaying:**

**Assay Procedures:**    **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).  
                                   **Cu:** 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
	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)
CGS-19-1	0.723	0.797	0.78	0.76	0.786	0.677	0.76	0.761	0.690	0.736	0.77	0.768
CGS-19-2	0.689	0.767	0.73	0.78	0.827	0.710	0.72	0.793	0.795	0.716	0.73	0.828
CGS-19-3	0.698	0.804	0.76	0.72	0.822	0.689	0.74	0.743	0.731	0.739	0.72	0.798
CGS-19-4	0.732	0.731	0.77	0.72	0.787	0.682	0.72	0.785	0.797	0.721	0.76	0.772
CGS-19-5	0.729	0.715	0.81	0.73	0.807	0.678	0.78	0.749	0.675	0.725	0.78	0.831
CGS-19-6	0.716	0.734	0.71	0.76	0.868	0.710	0.73	0.741	0.747	0.721	0.78	0.751
CGS-19-7	0.720	0.741	0.74	0.73	0.802	0.680	0.75	0.742	0.724	0.734	0.75	0.844
CGS-19-8	0.723	0.731	0.75	0.74	0.826	0.723	0.77	0.735	0.741	0.755	0.79	0.815
CGS-19-9	0.692	0.727	0.76	0.71	0.785	0.721	0.78	0.714	0.903	0.687	0.72	0.893
CGS-19-10	0.746	0.697	0.71	0.75	0.837	0.722	0.75	0.774	0.722	0.765	0.80	0.826
Mean	0.717	0.744	0.752	0.740	0.815	0.699	0.750	0.754	0.752	0.730	0.760	0.813
Std. Dev.	0.018	0.035	0.031	0.022	0.027	0.020	0.023	0.024	0.065	0.022	0.029	0.042
%RSD	2.57	4.64	4.15	2.99	3.26	2.82	3.01	3.23	8.70	2.96	3.82	5.17
	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)
CGS-19-1	0.125	0.137	0.132	0.125	0.137	0.130	0.119	0.139	0.136	0.134	0.13	0.126
CGS-19-2	0.128	0.137	0.132	0.124	0.137	0.130	0.128	0.135	0.136	0.135	0.14	0.125
CGS-19-3	0.126	0.137	0.132	0.126	0.137	0.133	0.128	0.139	0.135	0.132	0.13	0.124
CGS-19-4	0.125	0.139	0.129	0.125	0.137	0.132	0.129	0.141	0.133	0.134	0.13	0.123
CGS-19-5	0.128	0.138	0.131	0.125	0.136	0.134	0.128	0.137	0.136	0.133	0.13	0.122
CGS-19-6	0.129	0.138	0.132	0.127	0.135	0.131	0.129	0.136	0.134	0.134	0.13	0.121
CGS-19-7	0.124	0.140	0.136	0.126	0.136	0.130	0.128	0.137	0.135	0.136	0.13	0.123
CGS-19-8	0.128	0.138	0.132	0.125	0.137	0.132	0.129	0.139	0.136	0.132	0.14	0.122
CGS-19-9	0.127	0.141	0.134	0.125	0.135	0.131	0.127	0.135	0.135	0.131	0.13	0.123
CGS-19-10	0.128	0.137	0.135	0.126	0.136	0.132	0.130	0.137	0.135	0.132	0.14	0.120
Mean	0.127	0.138	0.133	0.125	0.136	0.132	0.128	0.138	0.135	0.133	0.133	0.123
Std. Dev.	0.002	0.001	0.002	0.001	0.001	0.001	0.003	0.002	0.001	0.002	0.005	0.002
%RSD	1.33	1.01	1.52	0.64	0.60	1.03	2.43	1.42	0.74	1.18	3.63	1.46

**Note: Au data from Lab. 12 was removed for failing the "t" test.**

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**Participating Laboratories:**

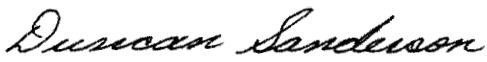
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver  
Actlabs, Ontario, Canada  
Assayers Canada Ltd., Vancouver  
ALS Chemex Laboratories, North Vancouver  
Alex Stewart Assayers, Argentina  
Genalysis Laboratory Services Pty. Ltd., Australia  
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Certified by

  
Duncan Sanderson, Certified Assayer of B.C.

Geochemist

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