

# CDN Resource Laboratories Ltd.

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

## REFERENCE MATERIAL: CDN-CGS-26

Recommended values and the "Between Lab" Two Standard Deviations

*Copper concentration: 1.58 ± 0.07 %*

*Gold concentration: 1.64 ± 0.11 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:** July 5, 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 5 days in a double-cone blender. Splits were taken and sent to 15 laboratories for round robin assaying.

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

This standard is made from a combination of Au / Cu ores and 27 kg of a copper concentrate.

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

	Percent			Percent
SiO <sub>2</sub>	66.6		MgO	1.7
Al <sub>2</sub> O <sub>3</sub>	9.6		K <sub>2</sub> O	1.7
Fe <sub>2</sub> O <sub>3</sub>	9.0		TiO <sub>2</sub>	0.4
CaO	2.5		LOI	3.4
Na <sub>2</sub> O	1.7		S	2.7

### **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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### 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	Lab 13	Lab 14	Lab 15
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	Au g/t
CGS-26-1	1.59	1.69	1.58	1.57	1.54	1.45	1.66	1.66	1.61	1.64	1.72	1.72	1.68	1.70	1.67
CGS-26-2	1.79	1.69	1.56	1.63	1.57	1.38	1.62	1.67	1.65	1.63	1.78	1.72	1.68	1.67	1.67
CGS-26-3	1.57	1.72	1.59	1.65	1.53	1.53	1.59	1.63	1.58	1.54	1.64	1.65	1.69	1.67	1.66
CGS-26-4	1.79	1.66	1.64	1.64	1.55	1.47	1.64	1.67	1.55	1.51	1.76	1.65	1.68	1.70	1.62
CGS-26-5	1.70	1.60	1.65	1.59	1.55	1.62	1.69	1.60	1.66	1.56	1.63	1.70	1.66	1.63	1.68
CGS-26-6	1.69	1.64	1.57	1.61	1.58	1.50	1.63	1.65	1.65	1.56	1.63	1.74	1.71	1.63	1.69
CGS-26-7	1.74	1.60	1.66	1.62	1.54	1.48	1.59	1.64	1.54	1.58	1.75	1.70	1.72	1.63	1.67
CGS-26-8	1.66	1.67	1.66	1.63	1.56	1.43	1.58	1.63	1.64	1.57	1.70	1.78	1.75	1.67	1.60
CGS-26-9	1.58	1.66	1.63	1.56	1.57	1.55	1.78	1.64	1.58	1.66	1.74	1.78	1.67	1.67	1.62
CGS-26-10	1.53	1.65	1.66	1.60	1.62	1.46	1.62	1.67	1.65	1.54	1.62	1.68	1.69	1.63	1.60
Mean	1.66	1.66	1.62	1.61	1.56	1.49	1.64	1.65	1.61	1.58	1.70	1.71	1.69	1.66	1.65
Std. Dev'n	0.0950	0.0382	0.0406	0.0303	0.0268	0.0673	0.0592	0.0227	0.0453	0.0489	0.0617	0.0443	0.0271	0.0283	0.0335
%RSD	5.72	2.31	2.50	1.88	1.72	4.53	3.61	1.38	2.81	3.09	3.63	2.59	1.60	1.70	2.03
	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %
CGS-26-1	1.56	1.53	1.61	1.62	1.56	1.56	1.63	1.60	1.60	1.56	1.65	1.63	1.56	1.61	1.54
CGS-26-2	1.56	1.52	1.59	1.68	1.59	1.56	1.67	1.60	1.59	1.59	1.64	1.60	1.53	1.60	1.55
CGS-26-3	1.56	1.52	1.56	1.64	1.56	1.52	1.68	1.60	1.60	1.58	1.63	1.57	1.49	1.59	1.54
CGS-26-4	1.56	1.54	1.61	1.63	1.57	1.54	1.84	1.60	1.61	1.57	1.66	1.60	1.55	1.57	1.52
CGS-26-5	1.56	1.53	1.62	1.63	1.59	1.54	1.65	1.58	1.61	1.56	1.63	1.63	1.49	1.62	1.54
CGS-26-6	1.54	1.53	1.60	1.62	1.59	1.53	1.71	1.57	1.61	1.59	1.63	1.62	1.51	1.58	1.55
CGS-26-7	1.54	1.55	1.62	1.64	1.60	1.55	1.59	1.55	1.60	1.60	1.64	1.59	1.52	1.61	1.52
CGS-26-8	1.59	1.55	1.61	1.59	1.60	1.53	1.69	1.54	1.59	1.59	1.62	1.58	1.52	1.63	1.54
CGS-26-9	1.58	1.52	1.59	1.61	1.60	1.53	1.63	1.57	1.60	1.57	1.65	1.62	1.52	1.58	1.55
CGS-26-10	1.57	1.53	1.59	1.62	1.58	1.60	1.68	1.58	1.61	1.58	1.68	1.61	1.49	1.61	1.54
Mean	1.56	1.53	1.60	1.63	1.58	1.55	1.68	1.58	1.60	1.58	1.64	1.61	1.52	1.60	1.54
Std. Dev'n	0.0158	0.0101	0.0183	0.0247	0.0169	0.0232	0.0665	0.0217	0.0072	0.0140	0.0177	0.0202	0.0256	0.0187	0.0090
%RSD	1.01	0.66	1.14	1.52	1.07	1.50	3.97	1.37	0.45	0.89	1.08	1.26	1.69	1.17	0.58

**Note:** Au data from Lab 6 was removed for failing the t test.

**STANDARD REFERENCE MATERIAL CDN-CGS-26**

**Participating Laboratories:**

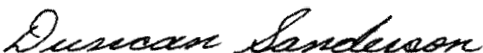
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada  
Actlabs, Ancaster, Ontario, Canada  
Actlabs, Thunder Bay, Ontario, Canada  
ALS Chemex Laboratories, North Vancouver, B.C., Canada  
Alaska Assay Laboratories, Alaska, USA  
Alex Stewart Argentina SA  
Assayers Canada Ltd., Vancouver, B.C., Canada  
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Certified by

  
Duncan Sanderson, Certified Assayer of B.C.

Geochemist

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