

CDN Resource Laboratories Ltd.

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GOLD ORE REFERENCE MATERIAL: CDN-GS-8A

Recommended value and the "Between Laboratory" two standard deviations

Gold concentration: 8.25 ± 0.60 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 15, 2009

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-GS-8A was prepared using ore supplied by Complex Minerals Corporation. The ore is from the 1100 lode of the Tiriganiaq Gold Deposit north of Rankin Inlet in Nunavut. It is a banded magnetite iron formation zone with gold in quartz shears with accessory pyrrhotite, pyrite, and arsenopyrite. The gold is free milling although there may be a small refractory component.

METHOD OF PREPARATION:

Reject ore material (640 kg of Complex ore plus 160 kg of blank granitic ore) was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to 13 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	Lab 13
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)
GS8A-1	8.50	8.46	8.68	7.65	8.01	8.24	8.69	8.29	8.07	8.59	8.35	8.55	8.02
GS8A-2	8.04	8.54	8.01	8.10	7.96	8.21	7.59	8.18	8.31	8.17	8.06	8.35	8.29
GS8A-3	8.01	8.21	8.52	7.82	8.16	8.25	8.91	8.70	7.84	8.64	8.12	8.38	7.89
GS8A-4	8.89	8.2	8.17	8.62	8.27	8.18	8.25	8.54	8.90	7.80	8.18	8.15	8.00
GS8A-5	8.31	8.15	8.09	8.60	8.84	8.19	7.87	8.35	8.71	8.60	8.08	8.41	8.22
GS8A-6	8.83	8.28	8.07	8.10	7.58	8.20	7.96	8.86	8.36	8.24	7.60	8.48	8.13
GS8A-7	7.88	8.61	8.57	8.33	7.42	8.21	8.20	8.29	8.40	8.21	8.07	8.16	8.10
GS8A-8	8.02	8.34	8.58	8.10	7.76	8.21	7.75	8.12	8.91	8.60	7.77	8.56	8.12
GS8A-9	7.94	8.32	8.40	8.78	8.09	8.27	8.39	7.97	8.82	8.54	7.67	8.54	8.32
GS8A-10	8.78	8.09	8.58	7.52	7.54	8.18	8.21	7.85	8.40	8.52	7.81	8.17	7.78
Mean	8.32	8.32	8.37	8.16	7.96	8.21	8.18	8.32	8.47	8.39	7.97	8.38	8.09
Std. Dev.	0.399	0.171	0.255	0.424	0.419	0.031	0.411	0.314	0.359	0.275	0.244	0.165	0.169
%RSD	4.79	2.05	3.05	5.19	5.27	0.38	5.02	3.78	4.24	3.28	3.05	1.97	2.09

Assay Procedure: all assays were fire assay, ICP finish on 30g samples

APPROXIMATE CHEMICAL COMPOSITION:

	Percent		Percent
SiO ₂	70.6	Na ₂ O	1.4
Al ₂ O ₃	8.6	MgO	1.7
Fe ₂ O ₃	6.9	K ₂ O	1.7
CaO	3.5	TiO ₂	0.4
MnO	0.1	LOI	3.6
S	1.0		

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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 ± 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, Ancaster, Ontario, Canada
Activation Laboratories, Thunder Bay, Ontario, Canada
ALS Chemex, North Vancouver, Canada
Alaska Assay Laboratories, Alaska, USA
Assayers Canada Ltd., Vancouver, Canada
Eco Tech, B.C., Canada
Genalysis Lab.Services, Australia
Labtium Inc., Finland
Omac Laboratory, Ireland
SGS Toronto, Canada
TSL Laboratories Ltd., Saskatoon, Canada
Ultra Trace Pty. Ltd., Australia


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This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. nor Barry Smee accept any liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


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