

# CDN Resource Laboratories Ltd.

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## ORE REFERENCE STANDARD: CDN-HZ-2

Recommended values and the "Between Lab" Two Standard Deviations

*Gold* 0.124 ± 0.024 g/t \*\*\* *provisional value only (RSD = 9.67%)*  
*Silver* 61.1 ± 4.1 g/t  
*Copper* 1.36 ± 0.06 %  
*Lead* 1.62 ± 0.11 %  
*Zinc* 7.20 ± 0.35 %

**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:** March 1, 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 5 days in a double-cone mixer. Splits were taken and sent to twelve laboratories for round robin assaying. The material has been packaged in nominal 100g (or 60g) lots in tin-top kraft bags which have been individually vacuum-sealed in nylon bags.

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

Standard CDN-HZ-2 was made by compositing 700 kg of ore from three different properties with 100 kg of two high sulphide concentrates.

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

	Percent			Percent
SiO <sub>2</sub>	43.2		MgO	2.2
Al <sub>2</sub> O <sub>3</sub>	6.3		K <sub>2</sub> O	0.8
Fe <sub>2</sub> O <sub>3</sub>	24.2		TiO <sub>2</sub>	0.5
CaO	3.0		LOI	11.1
Na <sub>2</sub> O	1.1		S	17.3

### **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.

### **Assay Procedures:**

**Au:** Fire assay pre-concentration, AA or ICP finish (10g sub-sample).  
**Ag, Cu, Pb, Zn:** 4-acid digestion, AA or ICP finish.

## STANDARD REFERENCE MATERIAL CDN-HZ-2

### Results from round-robin assaying:

	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
CDN-HZ-2-1	0.14	0.14	0.13	0.131	0.11	0.110	0.120	0.11	0.150	0.121	0.123	0.11
CDN-HZ-2-2	0.13	0.09	0.12	0.128	0.11	0.120	0.133	0.14	0.170	0.132	0.128	0.11
CDN-HZ-2-3	0.13	0.10	0.13	0.124	0.11	0.100	0.131	0.12	0.147	0.131	0.132	0.13
CDN-HZ-2-4	0.12	0.09	0.14	0.121	0.12	0.100	0.133	0.12	0.140	0.134	0.136	0.12
CDN-HZ-2-5	0.13	0.09	0.12	0.143	0.11	0.100	0.137	0.13	0.168	0.118	0.121	0.13
CDN-HZ-2-6	0.12	0.09	0.13	0.140	0.12	0.110	0.140	0.15	0.144	0.119	0.134	0.11
CDN-HZ-2-7	0.15	0.09	0.13	0.130	0.11	0.100	0.125	0.14	0.160	0.147	0.127	0.11
CDN-HZ-2-8	0.12	0.09	0.12	0.132	0.11	0.120	0.137	0.13	0.136	0.112	0.146	0.13
CDN-HZ-2-9	0.14	0.09	0.13	0.143	0.10	0.110	0.131	0.14	0.164	0.129	0.145	0.13
CDN-HZ-2-10	0.13	0.09	0.10	0.141	0.10	0.110	0.126	0.12	0.160	0.118	0.129	0.13
Mean	0.131	0.096	0.125	0.133	0.108	0.108	0.131	0.130	0.154	0.126	0.132	0.121
Std. Devn.	0.0099	0.0158	0.0108	0.0080	0.0069	0.0079	0.0062	0.0125	0.0121	0.0105	0.0084	0.0099
% RSD	7.59	16.43	8.64	6.00	6.42	7.30	4.70	9.59	7.84	8.35	6.37	8.22
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
CDN-HZ-2-1	61.9	58	62	61	60.0	61	65.5	60.2	58.2	64.6	60	61.1
CDN-HZ-2-2	61.7	59	60	61	61.2	63	65.5	61.7	58.6	63.6	60	59.2
CDN-HZ-2-3	61.8	59	61	61	62.8	63	64.9	60.8	58.7	64.7	60	59.8
CDN-HZ-2-4	61.4	59	61	65	61.3	63	65.8	60.2	58.6	63.7	60	59.8
CDN-HZ-2-5	60.9	60	60	59	60.2	62	66.1	63.1	58.5	64.0	60	60.1
CDN-HZ-2-6	60.0	58	61	63	60.3	62	66.0	60.9	59.3	64.5	60	59.9
CDN-HZ-2-7	61.0	58	61	60	61.0	62	64.9	60.2	59.3	63.5	65	59.3
CDN-HZ-2-8	61.6	59	59	62	60.5	61	66.3	59.7	58.7	64.3	65	58.8
CDN-HZ-2-9	61.1	58	61	60	61.1	62	65.5	63.2	58.3	63.0	60	59.7
CDN-HZ-2-10	60.8	57	60	59	60.2	63	65.4	61.0	58.6	63.7	65	59.0
Mean	61.2	58.5	60.6	61.1	60.9	62.2	65.6	61.1	58.7	64.0	61.5	59.7
Std. Devn.	0.5808	0.8498	0.8433	1.8529	0.8303	0.7888	0.4701	1.2156	0.3645	0.5504	2.4152	0.6447
% RSD	0.95	1.45	1.39	3.03	1.36	1.27	0.72	1.99	0.62	0.86	3.93	1.08

**NOTE:** Au data from Lab. 2 and Lab. 9 were excluded from the data set for failing the “t” test.

**STANDARD REFERENCE MATERIAL CDN-HZ-2**

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CDN-HZ-2-1	1.35	1.36	1.382	1.370	1.39	1.34	1.38	1.35	1.33	1.42	1.32	1.337
CDN-HZ-2-2	1.34	1.35	1.385	1.360	1.41	1.45	1.42	1.34	1.32	1.38	1.29	1.339
CDN-HZ-2-3	1.38	1.38	1.355	1.370	1.43	1.38	1.38	1.33	1.33	1.39	1.35	1.338
CDN-HZ-2-4	1.34	1.35	1.345	1.410	1.42	1.42	1.41	1.35	1.32	1.40	1.31	1.338
CDN-HZ-2-5	1.33	1.35	1.374	1.365	1.42	1.32	1.41	1.34	1.33	1.36	1.32	1.339
CDN-HZ-2-6	1.33	1.34	1.37	1.435	1.41	1.40	1.36	1.33	1.34	1.39	1.33	1.336
CDN-HZ-2-7	1.37	1.39	1.362	1.375	1.43	1.35	1.42	1.33	1.35	1.35	1.37	1.331
CDN-HZ-2-8	1.36	1.35	1.367	1.395	1.40	1.32	1.36	1.33	1.33	1.38	1.35	1.342
CDN-HZ-2-9	1.34	1.37	1.373	1.385	1.43	1.38	1.40	1.34	1.33	1.38	1.34	1.353
CDN-HZ-2-10	1.33	1.35	1.377	1.375	1.42	1.37	1.40	1.34	1.36	1.40	1.34	1.372
Mean	1.35	1.36	1.37	1.38	1.42	1.37	1.39	1.34	1.33	1.39	1.33	1.34
Std. Devn.	0.0177	0.0160	0.0123	0.0233	0.0135	0.0424	0.0227	0.0079	0.0116	0.0201	0.0230	0.0119
% RSD	1.31	1.17	0.90	1.68	0.95	3.09	1.63	0.59	0.87	1.45	1.73	0.88
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
CDN-HZ-2-1	1.59	1.64	1.65	1.610	1.64	1.65	1.72	1.81	1.57	1.53	1.57	1.66
CDN-HZ-2-2	1.63	1.62	1.64	1.595	1.67	1.70	1.71	1.82	1.54	1.51	1.54	1.66
CDN-HZ-2-3	1.63	1.71	1.62	1.615	1.69	1.69	1.65	1.80	1.54	1.52	1.60	1.65
CDN-HZ-2-4	1.63	1.62	1.62	1.725	1.67	1.71	1.67	1.83	1.56	1.51	1.55	1.66
CDN-HZ-2-5	1.58	1.65	1.63	1.590	1.68	1.67	1.74	1.82	1.56	1.50	1.56	1.69
CDN-HZ-2-6	1.61	1.66	1.63	1.695	1.67	1.67	1.69	1.82	1.55	1.52	1.56	1.67
CDN-HZ-2-7	1.67	1.65	1.63	1.615	1.68	1.66	1.71	1.82	1.56	1.50	1.60	1.66
CDN-HZ-2-8	1.63	1.64	1.62	1.650	1.66	1.64	1.67	1.81	1.55	1.52	1.52	1.64
CDN-HZ-2-9	1.63	1.65	1.63	1.615	1.69	1.66	1.74	1.82	1.56	1.51	1.55	1.66
CDN-HZ-2-10	1.58	1.63	1.64	1.620	1.68	1.70	1.67	1.83	1.58	1.51	1.52	1.66
Mean	1.62	1.65	1.63	1.63	1.67	1.68	1.70	1.82	1.56	1.51	1.56	1.66
Std. Devn.	0.0282	0.0258	0.0099	0.0442	0.0149	0.0237	0.0316	0.0092	0.0119	0.0095	0.0279	0.0121
% RSD	1.74	1.57	0.61	2.70	0.89	1.41	1.86	0.51	0.76	0.63	1.79	0.73
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
CDN-HZ-2-1	7.51	7.84	7.52	7.05	6.99	7.07	7.42	7.15	7.03	7.24	7.08	7.07
CDN-HZ-2-2	7.66	7.73	7.49	7.06	7.09	7.18	7.52	7.15	7.08	7.16	6.99	7.01
CDN-HZ-2-3	7.66	7.81	7.43	7.16	7.17	7.10	7.24	7.10	7.03	7.20	7.20	7.04
CDN-HZ-2-4	7.48	7.65	7.45	7.29	7.10	7.16	7.54	7.20	7.05	7.19	6.95	7.04
CDN-HZ-2-5	7.53	7.66	7.43	7.11	7.11	7.10	7.45	7.15	7.05	7.08	7.03	7.09
CDN-HZ-2-6	7.62	7.68	7.49	7.50	7.04	7.04	7.36	7.15	7.07	7.18	7.02	7.05
CDN-HZ-2-7	7.60	7.81	7.52	7.14	7.12	7.10	7.50	7.15	7.05	7.12	7.10	7.06
CDN-HZ-2-8	7.58	7.36	7.44	7.25	6.99	6.98	7.36	7.10	7.07	7.19	7.04	7.15
CDN-HZ-2-9	7.56	7.44	7.52	7.16	7.12	7.02	7.43	7.15	7.04	7.17	7.12	7.22
CDN-HZ-2-10	7.44	7.31	7.53	7.24	7.07	7.15	7.37	7.15	7.06	7.16	7.15	7.29
Mean	7.56	7.63	7.48	7.20	7.08	7.09	7.42	7.15	7.05	7.17	7.07	7.10
Std. Devn.	0.0743	0.1927	0.0408	0.1329	0.0583	0.0639	0.0906	0.0284	0.0167	0.0441	0.0764	0.0892
% RSD	0.98	2.53	0.54	1.85	0.82	0.90	1.22	0.40	0.24	0.61	1.08	1.26

**NOTE: Pb data from Lab. 8 was excluded from the data set for failing the “t” test.  
Zn data from Lab.2 was excluded from the data set for failing the “t” test.**

**STANDARD REFERENCE MATERIAL CDN-HZ-2**

**Participating Laboratories:**

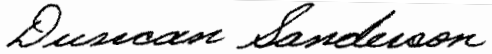
(not in same order as listed in table of results)

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Certified by

  
Duncan Sanderson, Certified Assayer of B.C.

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