

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-HZ-3

Recommended values and the "Between Lab" Two Standard Deviations

Gold 0.055 ± 0.010 g/t *** *provisional value only (RSD = 9.67%)*
Silver 27.3 ± 3.2 g/t
Copper 0.610 ± 0.030 %
Lead 0.707 ± 0.036 %
Zinc 3.16 ± 0.16 %

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 18, 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.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-HZ-3 was made by compositing 365 kg of standard CDN-HZ-2 with 365 kg of a blank granitic ore.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	49.6	MgO	4.6
Al ₂ O ₃	11.6	K ₂ O	0.9
Fe ₂ O ₃	16.3	TiO ₂	0.8
CaO	6.0	LOI	6.2
Na ₂ O	1.9	S	8.4

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 (30g sub-sample).
Ag, Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

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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
HZ3-1	0.06	0.06	0.06	0.054	0.060	0.046	0.053	0.06	0.06	0.055	0.063	0.05
HZ3-2	0.07	0.05	0.06	0.058	0.051	0.057	0.049	0.07	0.06	0.082	0.060	0.05
HZ3-3	0.06	0.06	0.06	0.065	0.057	0.051	0.051	0.04	0.07	0.070	0.058	0.05
HZ3-4	0.05	0.05	0.06	0.052	0.056	0.053	0.051	0.05	0.06	0.072	0.055	0.04
HZ3-5	0.05	0.05	0.05	0.046	0.058	0.054	0.055	0.04	0.07	0.077	0.061	0.05
HZ3-6	0.05	0.08	0.06	0.052	0.045	0.044	0.043	0.08	0.06	0.070	0.070	0.06
HZ3-7	0.06	0.06	0.05	0.051	0.061	0.058	0.053	0.05	0.06	0.056	0.058	0.04
HZ3-8	0.06	0.05	0.05	0.053	0.047	0.055	0.049	0.06	0.07	0.062	0.053	0.05
HZ3-9	0.06	0.04	0.05	0.054	0.056	0.062	0.050	0.04	0.06	0.058	0.065	0.06
HZ3-10	0.06	0.05	0.05	0.052	0.057	0.053	0.050	0.06	0.06	0.053	0.058	0.06
Mean	0.058	0.055	0.055	0.054	0.055	0.053	0.050	0.055	0.063	0.065	0.060	0.051
Std. Devn.	0.0063	0.0108	0.0053	0.0050	0.0054	0.0054	0.0032	0.0135	0.0048	0.0104	0.0050	0.0074
% RSD	10.90	19.64	9.58	9.25	9.89	10.09	6.43	24.62	7.67	15.86	8.24	14.47
	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
HZ3-1	31.3	26	27	28	26.6	23.0	29.2	25.8	24.7	27	29	27.7
HZ3-2	31.4	26	27	29	26.7	24.5	28.9	26.1	24.6	27	29	27.8
HZ3-3	29.8	27	26	27	26.4	21.9	29.2	26.6	25.6	27	29	28.0
HZ3-4	29.9	27	26	27	27.2	22.3	29.5	26.6	24.9	27	30	27.7
HZ3-5	30.8	27	27	28	26.8	22.7	29.3	26.2	24.7	27	29	28.2
HZ3-6	32.4	26	28	29	26.5	24.3	29.8	26.3	25.5	28	29	27.3
HZ3-7	30.3	27	23	29	25.8	23.5	29.5	26.0	24.7	27	29	27.2
HZ3-8	30.5	27	25	27	26.3	22.4	29.8	26.3	24.9	27	28	28.3
HZ3-9	31.4	26	25	29	24.0	23.5	29.5	25.8	24.7	27	29	27.3
HZ3-10	32.4	27	25	30	27.0	22.6	28.9	27.5	24.7	27	29	27.5
Mean	31.0	26.6	25.9	28.3	26.3	23.1	29.4	26.3	24.9	27.0	29.0	27.7
Std. Devn.	0.9283	0.5164	1.4491	1.0593	0.9056	0.8629	0.3204	0.5007	0.3559	0.3383	0.4714	0.3884
% RSD	2.99	1.94	5.60	3.74	3.44	3.74	1.09	1.90	1.43	1.25	1.63	1.40

NOTE: Au data from Lab. 10 was excluded from the data set for failing the “t” test.

Ag data from Lab. 6 was excluded from the data set for failing the “t” test.

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	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
HZ3-1	0.592	0.613	0.635	0.619	0.632	0.592	0.61	0.60	0.55	0.617	0.596	0.602
HZ3-2	0.595	0.614	0.612	0.619	0.633	0.582	0.63	0.59	0.55	0.618	0.599	0.602
HZ3-3	0.592	0.625	0.609	0.602	0.629	0.598	0.63	0.60	0.56	0.617	0.599	0.602
HZ3-4	0.594	0.616	0.602	0.629	0.627	0.601	0.61	0.58	0.56	0.617	0.604	0.606
HZ3-5	0.592	0.625	0.606	0.623	0.638	0.595	0.62	0.60	0.57	0.620	0.606	0.603
HZ3-6	0.586	0.625	0.596	0.632	0.629	0.588	0.61	0.59	0.57	0.622	0.599	0.603
HZ3-7	0.582	0.626	0.598	0.627	0.629	0.594	0.61	0.60	0.57	0.616	0.587	0.603
HZ3-8	0.604	0.628	0.602	0.624	0.630	0.598	0.62	0.59	0.56	0.620	0.604	0.606
HZ3-9	0.583	0.621	0.607	0.639	0.625	0.607	0.63	0.60	0.57	0.621	0.605	0.609
HZ3-10	0.598	0.629	0.604	0.639	0.631	0.630	0.62	0.59	0.58	0.618	0.610	0.605
Mean	0.592	0.622	0.607	0.625	0.630	0.599	0.619	0.594	0.564	0.619	0.601	0.604
Std. Devn.	0.0067	0.0058	0.0109	0.0109	0.0036	0.0130	0.0088	0.0070	0.0097	0.0019	0.0064	0.0024
% RSD	1.14	0.93	1.80	1.74	0.56	2.18	1.41	1.18	1.71	0.31	1.07	0.39
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
HZ3-1	0.71	0.677	0.73	0.68	0.725	0.747	0.74	0.69	0.69	0.718	0.691	0.732
HZ3-2	0.74	0.684	0.72	0.69	0.725	0.742	0.78	0.69	0.69	0.713	0.691	0.729
HZ3-3	0.73	0.694	0.71	0.66	0.720	0.739	0.68	0.69	0.70	0.718	0.684	0.732
HZ3-4	0.71	0.694	0.70	0.69	0.718	0.749	0.75	0.68	0.70	0.710	0.692	0.730
HZ3-5	0.70	0.706	0.73	0.69	0.728	0.741	0.74	0.69	0.69	0.719	0.696	0.734
HZ3-6	0.72	0.688	0.72	0.70	0.716	0.742	0.75	0.68	0.69	0.721	0.683	0.733
HZ3-7	0.71	0.703	0.70	0.70	0.716	0.749	0.72	0.69	0.69	0.719	0.669	0.733
HZ3-8	0.72	0.700	0.70	0.69	0.715	0.758	0.73	0.69	0.68	0.721	0.684	0.744
HZ3-9	0.71	0.682	0.70	0.70	0.716	0.751	0.73	0.69	0.70	0.717	0.695	0.738
HZ3-10	0.71	0.696	0.70	0.71	0.718	0.78	0.74	0.69	0.69	0.715	0.684	0.736
Mean	0.716	0.692	0.711	0.691	0.720	0.750	0.736	0.688	0.692	0.717	0.687	0.734
Std. Devn.	0.0117	0.0097	0.0129	0.0137	0.0046	0.0120	0.0255	0.0042	0.0063	0.0034	0.0080	0.0044
% RSD	1.64	1.40	1.81	1.98	0.65	1.61	3.46	0.61	0.91	0.48	1.16	0.61
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
HZ3-1	3.11	3.21	3.42	3.02	2.89	3.29	3.08	3.10	3.21	3.15	3.16	3.15
HZ3-2	3.11	3.21	3.21	3.03	2.88	3.20	3.08	3.10	3.22	3.13	3.13	3.14
HZ3-3	3.08	3.27	3.20	2.96	2.87	3.28	3.16	3.10	3.32	3.13	3.12	3.13
HZ3-4	3.08	3.30	3.19	3.05	2.86	3.28	3.11	3.05	3.26	3.12	3.14	3.14
HZ3-5	3.07	3.30	3.26	3.04	2.89	3.24	3.12	3.15	3.29	3.12	3.15	3.14
HZ3-6	3.09	3.21	3.24	3.08	2.86	3.21	3.14	3.05	3.30	3.13	3.05	3.16
HZ3-7	3.07	3.30	3.12	3.07	2.85	3.30	3.12	3.10	3.31	3.13	3.04	3.17
HZ3-8	3.08	3.26	3.18	3.04	2.83	3.30	3.10	3.10	3.19	3.14	3.07	3.19
HZ3-9	3.06	3.25	3.21	3.11	3.02	3.22	3.11	3.15	3.28	3.13	3.14	3.26
HZ3-10	3.08	3.25	3.22	3.11	2.84	3.42	3.17	3.15	3.24	3.13	3.08	3.16
Mean	3.08	3.26	3.23	3.05	2.88	3.27	3.12	3.11	3.26	3.13	3.11	3.16
Std. Devn.	0.0164	0.0359	0.0781	0.0448	0.0534	0.0638	0.0303	0.0369	0.0452	0.0077	0.0439	0.0376
% RSD	0.53	1.10	2.42	1.47	1.86	1.95	0.97	1.19	1.38	0.25	1.41	1.19

NOTE: Cu data from Lab 9 was excluded from the data set for failing the “t” test.

Pb data from Lab 6 was excluded from the data set for failing the “t” test.

Zn data from Lab 5 was excluded from the data set for failing the “t” test.

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Participating Laboratories:

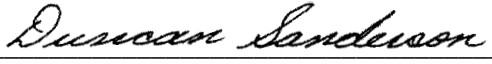
(not in same order as listed in table of results)

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Genalysis Laboratory, Australia
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Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


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