

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-GS-25

Recommended value and the "Between Laboratory" two standard deviations

Gold	25.60 g/t ± 0.94 g/t	Certified value	30g FA / Gravimetric
Silver	99.5 g/t ± 7.4 g/t	Certified value	30g FA / Gravimetric

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 29th, 2018

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-GS-25 was prepared by combining several different siliceous ores with low sulphide content, blended with 160 kg of high grade ore supplied by Teuton Resources from their Clone gold property in B.C., Canada. Mineralization of Clone gold property is localized within highly silicified semi-massive to massive specular hematite. Gold occurs as fine disseminations and is associated with the oxide mineralization. The major lithology is light grey to green andesitic pyroclastic intercalated with fine grained to aphanitic andesite. Clasts are sub angular to angular, matrix supported, and range in size from 1-3cm. Quartz-calcite stockwork pervades the unit in moderate abundance

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 commercial laboratories for round robin assaying.

ASSAY PROCEDURES:

Au, Ag: 30 gr Fire assay pre-concentration, Gravimetric finish.
Whole rock analysis and 30 element ICP analysis (4-acid digestion) were also conducted on 5 samples.

APPROXIMATE CHEMICAL COMPOSITION (by whole rock analysis):

	Percent		Percent
SiO ₂	58.6	Na ₂ O	2.1
Al ₂ O ₃	11.7	MgO	2.3
Fe ₂ O ₃	13.7	K ₂ O	1.9
CaO	3.6	TiO ₂	0.4
MnO	0.2	LOI	4.0
Total S	1.9	Total C	0.5

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.

Our certified gold values are based on 30 g Fire Assay determinations. For optimal results, we strongly recommend you assay our standards with similar methods using "at least" 30 g of material. Using a smaller sample weight may result in erratic values.

RESULTS FROM ROUND ROBIN ASSAYING:

Gravimetric 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
	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
GS-25-1	24.6	26.4	25.2	25.9	24.7	26.2	25.34	25.78	25.5	24.63	26.50	25.73	26.12	24.94	25.83
GS-25-2	24.9	26.1	26.2	24.7	25.6	26.6	25.26	25.69	26.9	24.67	25.32	25.86	25.36	25.65	25.67
GS-25-3	25.1	25.5	25.8	25.6	26.3	26.7	26.30	24.98	25.8	24.65	25.83	25.27	26.08	25.51	25.57
GS-25-4	25.0	26.1	25.7	26.4	25.9	26.1	26.21	25.39	25.3	25.01	26.07	25.63	25.58	25.22	26.01
GS-25-5	25.9	25.5	25.9	26.4	25.5	24.9	26.02	25.47	25.5	24.84	25.97	25.56	25.48	25.75	25.86
GS-25-6	25.0	25.6	25.7	25.0	25.5	24.7	26.16	25.88	25.7	24.62	25.32	25.76	25.51	25.55	25.60
GS-25-7	24.4	25.3	25.1	25.9	25.5	22.5	25.71	24.97	26.0	24.99	25.75	25.53	26.04	26.02	25.45
GS-25-8	24.4	26.4	25.7	25.1	26.7	25.8	25.44	24.37	25.7	24.63	25.55	25.83	25.63	25.28	25.53
GS-25-9	24.4	26.3	25.3	25.7	25.3	26.1	25.53	25.10	26.1	25.00	25.32	26.06	26.10	25.71	25.83
GS-25-10	24.5	26.2	25.4	25.9	25.8	25.7	26.04	24.99	25.5	24.63	25.52	25.95	25.85	25.76	25.34
Mean	24.8	25.9	25.6	25.7	25.7	25.53	25.80	25.26	25.8	24.77	25.72	25.72	25.78	25.54	25.67
Std. Dev.	0.471	0.420	0.343	0.572	0.547	1.246	0.390	0.466	0.457	0.173	0.388	0.231	0.295	0.315	0.209
% RSD	1.90	1.62	1.34	2.23	2.13	4.88	1.51	1.84	1.77	0.70	1.51	0.90	1.14	1.23	0.82

Gravimetric 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
	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	Ag g/t	Ag g/t	Ag g/t
GS-25-1	100	103	97	103	95	69	100	98	104.0	104	102	96.7	103.5	98.9	96
GS-25-2	99	100	95	94	92	60	99	95	108.9	103	95	94.7	100.5	98.5	97
GS-25-3	99	101	95	104	99	80	99	97	105.9	103	105	95.6	101.2	99.0	96
GS-25-4	101	102	94	100	105	46	100	99	103.6	101	96	93.5	98.9	105.0	95
GS-25-5	100	101	95	101	87	66	96	97	104.5	101	107	92.9	100.7	106.0	99
GS-25-6	101	102	105	92	95	64	100	94	110.5	103	106	94.4	99.5	99.5	94
GS-25-7	102	102	104	101	95	61	96	96	107.9	101	99	93.2	99.9	100.0	101
GS-25-8	99	106	95	96	97	149	102	92	110.9	102	100	99.4	100.1	105.0	95
GS-25-9	99	109	106	100	92	99	99	99	102.2	104	99	95.8	100.5	107.0	98
GS-25-10	100	102	100	97	105	95	96	99	112.5	102	97	98.6	99.3	100.0	104
Mean	100	103	99	99	96	79	98	97	107.1	102	101	95.5	100.4	101.9	98
Std. Dev.	1.054	2.700	4.742	3.910	5.653	29.486	2.061	2.366	3.545	1.174	4.248	2.218	1.293	3.399	3.100
% RSD	1.05	2.63	4.81	3.96	5.88	37.37	2.09	2.45	3.31	1.15	4.22	2.32	1.29	3.34	3.18

Note:

Ag results from lab 6 were removed for failing the t test

PARTICIPATING LABORATORIES: (not in same order as table of assays)

Activation Laboratories, Ancaster, Ontario, Canada	Bureau Veritas, Vancouver, BC, Canada
Activation Laboratories, Thunder Bay, Ontario, Canada	Certimin S.A., Lima, Peru
ALS Canada, North Vancouver, BC, Canada	MS Analytical, Langley, BC, Canada
ALS, Loughrea, Ireland	SGS, Vancouver, BC, Canada
ALS, Lima, Peru	SGS, Lima, Peru
ALS, Perth Australia	SGS, Lakefield, Ontario, Canada
Bureau Veritas, Perth, Australia	TSL Laboratories Ltd., Saskatoon, SK, Canada
Bureau Veritas, Reno, USA	

LEGAL NOTICE:

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.