CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-PGMS-21

Recommended values and the "Between Lab" Two Standard Deviations

Gold	***3.42 g/t ± 0.41 g/t***	***Certified value***	***30g FA / ICP or AA***
Platinum	***0.293 g/t ± 0.026 g/t***	***Certified value***	***30g FA / ICP or AA***
Palladium	***2.00 g/t ± 0.18 g/t***	***Certified value***	***30g FA / ICP or AA***

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: November 25, 2011

METHOD OF PREPARATION:

Standard CDN-PGMS-21 was prepared using a variety of Au-Pt-Pd bearing ores of a siliceous nature.

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 mixer. Splits were taken and sent to 15 laboratories for round robin assaying.

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

	Percent			Percent
SiO2	55.4		MgO	4.4
Al2O3	12.3		K2O	1.8
Fe2O3	11.9		TiO2	0.4
CaO	4.1		LOI	6.7
Na2O	1.2		S	3.4

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.

Results from round-robin assaying are presented on the following page:

REFERENCE MATERIAL: CDN-PGMS-21

Assay Procedure: 30g fire assay, 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
PGMS-21-1	3.79	3.54	3.12	3.57	3.25	3.22	3.36	3.44	3.03	3.77	3.84	3.35	3.31	3.81	3.68
PGMS-21-2	3.67	3.53	3.10	3.55	3.27	3.22	3.36	3.47	2.96	3.54	3.78	3.31	3.29	4.04	3.73
PGMS-21-3	3.42	3.47	2.96	3.74	3.41	3.29	3.30	3.41	3.25	3.23	3.78	3.06	3.56	3.39	3.65
PGMS-21-4	3.38	3.63	3.16	3.53	3.20	3.34	3.28	3.41	2.95	3.62	4.26	3.17	3.46	3.92	3.63
PGMS-21-5	3.44	3.60	3.09	3.70	3.16	3.33	3.43	3.51	3.09	3.57	3.95	3.13	3.52	3.84	3.72
PGMS-21-6	3.47	3.47	3.04	3.87	3.43	3.46	3.30	3.50	3.12	3.39	3.76	3.27	3.29	3.53	3.56
PGMS-21-7	3.44	3.44	3.15	3.82	3.43	3.31	3.41	3.50	3.26	3.46	3.86	3.05	3.36	3.84	3.55
PGMS-21-8	3.65	3.63	2.98	3.62	3.24	3.37	3.29	3.45	3.16	3.38	4.04	3.07	3.25	3.57	3.63
PGMS-21-9	3.72	3.54	3.21	3.79	3.51	3.59	3.43	3.52	3.02	3.51	4.08	3.18	3.43	3.72	3.65
PGMS-21-10	3.49	3.57	3.16	3.65	3.22	3.48	3.33	3.48	3.12	3.35	3.91	3.28	3.39	3.66	3.56
Mean	3.55	3.54	3.10	3.69	3.31	3.36	3.35	3.47	3.10	3.48	3.93	3.19	3.39	3.73	3.64
Std. Dev'n	0.1456	0.0671	0.0815	0.1191	0.1211	0.1191	0.0582	0.0418	0.1087	0.1543	0.1608	0.1103	0.1049	0.20	0.06
%RSD	4.11	1.90	2.63	3.23	3.66	3.55	1.74	1.21	3.51	4.43	4.09	3.46	3.10	5.32	1.77
	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t
PGMS-21-1	0.301	0.296	0.288	0.290	0.283	0.311	0.29			0.37	0.299	0.302	0.271	0.281	0.318
PGMS-21-2	0.304	0.295	0.279	0.296	0.288	0.305	0.28			0.36	0.292	0.297	0.257	0.292	0.293
PGMS-21-3	0.292	0.298	0.278	0.296	0.298	0.296	0.28			0.34	0.317	0.286	0.285	0.256	0.308
PGMS-21-4	0.299	0.302	0.280	0.293	0.294	0.317	0.27			0.34	0.314	0.268	0.283	0.283	0.317
PGMS-21-5	0.297	0.311	0.292	0.299	0.278	0.307	0.30			0.34	0.300	0.264	0.278	0.275	0.307
PGMS-21-6	0.281	0.305	0.280	0.304	0.293	0.318	0.30			0.36	0.310	0.299	0.269	0.288	0.324
PGMS-21-7	0.300	0.310	0.285	0.292	0.287	0.287	0.29			0.37	0.307	0.269	0.285	0.303	0.318
PGMS-21-8	0.297	0.309	0.282	0.297	0.288	0.313	0.27			0.39	0.293	0.289	0.273	0.301	0.295
PGMS-21-9	0.292	0.305	0.272	0.306	0.288	0.310	0.28			0.34	0.281	0.278	0.279	0.289	0.322
PGMS-21-10	0.289	0.304	0.275	0.298	0.286	0.291	0.27			0.33	0.293	0.284	0.273	0.303	0.290
Mean	0.295	0.304	0.281	0.297	0.288	0.306	0.283			0.354	0.301	0.284	0.275	0.287	0.309
Std. Dev'n	0.0068	0.0057	0.0060	0.0050	0.0057	0.0108	0.0116			0.0190	0.0113	0.0136	0.0086	0.0146	0.0126
%RSD	2.30	1.88	2.12	1.69	1.97	3.52	4.10			5.36	3.77	4.79	3.14	5.09	4.09
	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t
PGMS-21-1	1.99	2.06	2.00	2.03	1.90	1.98	1.89			2.16	2.18	2.02	1.87	2.08	2.10
PGMS-21-2	2.00	1.98	2.05	2.06	1.94	1.99	1.90			2.13	2.29	1.86	1.83	2.10	2.04
PGMS-21-3	1.96	1.95	2.10	2.02	1.95	1.99	1.84			2.04	2.09	1.85	1.92	1.88	2.12
PGMS-21-4	2.00	1.97	2.05	2.08	1.94	1.97	1.87			2.06	2.25	1.82	1.91	2.09	2.13
PGMS-21-5	1.98	2.01	1.95	2.07	1.90	2.02	1.90			2.06	2.14	1.80	1.86	2.08	2.07
PGMS-21-6	1.99	2.04	2.00	2.05	2.00	1.92	1.91			2.04	1.99	1.88	1.91	2.10	2.12
PGMS-21-7	2.00	2.03	2.10	2.07	1.97	1.93	1.90			2.11	2.02	1.82	1.89	2.08	2.06
PGMS-21-8	2.04	2.04	2.00	2.06	2.03	1.98	1.86			2.11	2.13	1.86	1.82	2.07	2.04
PGMS-21-9	2.03	2.05	2.00	2.10	2.00	2.00	1.88			2.13	2.08	1.76	1.87	2.09	2.08
PGMS-21-10	1.99	1.97	2.05	2.04	1.95	1.97	1.86			2.10	2.15	1.81	1.88	2.11	2.05
Mean	2.00	2.01	2.03	2.06	1.96	1.97	1.88			2.09	2.13	1.85	1.88	2.07	2.08
Std. Dev'n	0.0230	0.0394	0.0483	0.0231	0.0413	0.0291	0.0228			0.0417	0.0959	0.0699	0.0334	0.0676	0.0340
%RSD	1.15	1.96	2.38	1.12	2.11	1.47	1.21			1.99	4.50	3.78	1.78	3.27	1.63

Note: **Au data from Lab 11 was excluded for failing the t test.**
Pt data from Lab 10 was excluded for failing the t test.

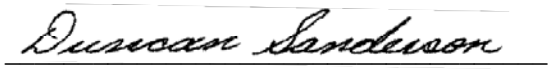
Two laboratories did not supply Pt, Pd data.

REFERENCE MATERIAL: CDN-PGMS-21

Participating Laboratories:

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

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Activation Laboratories Ltd., Ancaster, Ontario, Canada
Activation Laboratories Ltd., Thunder Bay, Ontario, Canada
AGAT, Mississauga, Ontario
Alex Stewart Argentina SA
ALS Chemex Laboratories, North Vancouver, B.C., Canada
Alfred Knight, Alaska, USA
Alfred Knight, Kamloops, B.C., Canada
CIMM, Lima, Peru
Genalysis Laboratory Services Pty. Ltd., Perth, Australia
Inspectorate, Richmond, B.C., Canada
SGS, Lima, Peru
Skyline Assayers & Laboratories, Arizona, USA
TSL Laboratories, Saskatoon, SK, Canada
Ultra Trace Analytical Laboratories, Perth, Australia

Certified by 

Duncan Sanderson, Certified Assayer of B.C.

Geochemist 

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