CDN Resource Laboratories Ltd.

Certificate of Analysis

REFERENCE MATERIAL: CDN-GS-P5J

Recommended values and the "Between Lab" Two Standard Deviations

Precious Metals and Targeted Base Metals				
Gold	**0.663 ppm**	**± 0.069 ppm**	**Fire Assay, ICP or AA finish**	**Certified value**
Copper	**265.3 ppm**	**± 14.7 ppm**	**4 Acid digestion / ICP finish**	**Certified value**
Lead	**118 ppm**	**± 22 ppm**		**Provisional Mean**
Zinc	**538 ppm**	**± 26 ppm**		**Certified value**
Nickel	**106 ppm**	**± 9 ppm**		**Certified value**

Major and Minor Base Metals				
Aluminum	**7.48 %**	**± 0.29 %**	**4 Acid digestion / ICP finish**	**Certified value**
Barium	**462.9 ppm**	**± 44.6 ppm**		
Iron	**5.59 %**	**± 0.31 %**		
Potassium	**1.21 %**	**± 0.02 %**		
Magnesium	**3.05 %**	**± 0.13 %**		
Sodium	**1.65 %**	**± 0.09 %**		
Sulfur	**0.62 %**	**± 0.02 %**		
Strontium	**276 ppm**	**± 8 ppm**		

Major Oxides			
SiO_2	**54.26 %**	**± 1.08 %**	**Certified value**
Al_2O_3	**13.99 %**	**± 0.52 %**	
Fe_2O3	**8.09 %**	**± 0.35 %**	
Na_2O	**2.26 %**	**± 0.16 %**	
CaO	**3.7 %**	**± 0.1 %**	
MnO	**0.13 %**	**± 0.03 %**	
MgO	**5.15 %**	**± 0.23 %**	
K2O	**1.46 %**	**± 0.01 %**	
TiO_2	**0.81 %**	**± 0.04 %**	
P_2O5	**0.17 %**	**± 0.02 %**	
LOI	**5.63 %**	**± 0.042 %**	

Note 1: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Ali Alizadeh, MSc, MBA, P Geo, FGC
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., FGC
DATE OF CERTIFICATION: May 4th, 2025

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ORIGIN OF REFERENCE MATERIAL:

Standard CDN-GS-P5J was produced from a blend of ores sourced from a porphyry deposit in northern British Columbia, Canada. **Total Sulfur and Total Carbon** were measured using LECO analysis, with average concentrations of **0.59% and 1.04%, respectively**.

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 mixer. Splits were taken and sent to 18 commercial and mine laboratories for round robin assaying.

Assay Procedures:

Au:	Fire assay, AA or ICP finish.
Cu, Pb, Zn, Ni:	4-acid digestion, AA or ICP finish.
Major Oxides	Fusion, XRF finish

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 means 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 database. 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.

Quality Assurance and Quality Control Procedures:

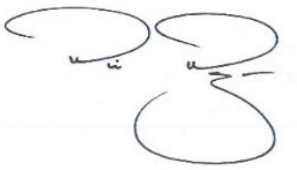
Screening Test: After completion of homogenization, three samples, 300g each of homogenized material were randomly collected and were re-screened by a testing sieve. The oversize material of this standard and based on CDN's screening test was ~1.5%.

Homogeneity Test:
15 samples were systematically selected throughout the batch and were sent to an independent assay laboratory for homogeneity testing, following the guidelines outlined in Annex B (Homogeneity and Stability of Proficiency Test Items) of ISO 13528:2015.
Assay results went through a statistical work-up by checking the mean, standard deviation, and %RSD. Based on performed statistical works outlined by ISO 13528; CDN-GS-P5J is statistically homogenized (Appendix III).

LEGAL NOTICE:

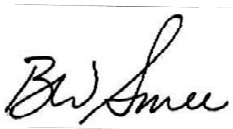
This certificate and the reference material described in it have been prepared with due care and attention. However, CDN Resource Laboratories Ltd. nor Barry Smee accept any liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the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

Certified by



Ali Alizadeh, MSc, MBA, P.Geo., FGC

Geochemist



Dr. Barry Smee, PhD, FGC

APPENDIX I: Results from round-robin assaying:

Standard	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	Lab 16	Lab 17	Lab18
	Au by Fire Assay, 30g sample size and ICP or AA finish																	
GS-P5J	0.671	0.71	0.720	0.643	0.675	0.706	0.65	0.67	0.654	0.62	0.66	0.64	0.656	0.625	0.603	0.662	0.704	0.653
	0.714	0.72	0.660	0.630	0.663	0.700	0.66	0.66	0.681	0.71	0.60	0.66	0.650	0.622	0.615	0.676	0.665	0.646
	0.769	0.72	0.702	0.666	0.656	0.740	0.65	0.66	0.657	0.67	0.61	0.61	0.651	0.622	0.702	0.719	0.673	0.648
	0.778	0.72	0.644	0.640	0.681	0.726	0.67	0.65	0.700	0.61	0.61	0.60	0.645	0.623	0.703	0.700	0.624	0.641
	0.686	0.71	0.593	0.627	0.661	0.752	0.66	0.68	0.712	0.67	0.66	0.64	0.661	0.621	0.650	0.664	0.691	0.649
	0.680	0.72	0.664	0.690	0.686	0.690	0.67	0.65	0.611	0.64	0.66	0.59	0.662	0.622	0.659	0.707	0.769	0.646
	0.773	0.71	0.664	0.713	0.691	0.710	0.66	0.67	0.710	0.70	0.66	0.57	0.628	0.627	0.640	0.618	0.642	0.665
	0.762	0.72	0.628	0.633	0.682	0.720	0.67	0.64	0.645	0.67	0.62	0.67	-	0.628	0.631	0.714	0.708	0.602
Mean	0.729	0.72	0.659	0.655	0.674	0.718	0.66	0.66	0.671	0.66	0.64	0.62	0.650	0.624	0.650	0.683	0.685	0.644
Std. Devn.	0.05	0.01	0.04	0.03	0.01	0.02	0.01	0.01	0.04	0.04	0.03	0.04	0.01	0.00	0.04	0.03	0.04	0.02
% RSD	6.33	0.72	6.06	4.83	1.91	2.89	1.26	1.98	5.29	5.39	4.29	5.68	1.79	0.43	5.66	5.01	6.56	2.84

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APPENDIX I: Results from round-robin assaying-Continue:

Standard	Lab 1	Lab 3	Lab 5	Lab 9	Lab 14	Lab 17	Lab18
Cu (ppm) by 4 Acid digestion ICP finish							
GS-P5J	272.5	262.9	267.8	278.8	252.9	266	264.3
	271.5	264.6	268.3	270.1	254.5	273	255.8
	273.5	265.8	267.8	265.3	253.3	274	262.6
	270.0	265.6	273.0	274.7	253.2	271	259.8
	274.0	263.1	272.6	259.9	253.7	276	260.6
	269.0	261.1	266.9	280.1	252.3	258	269.8
	273.5	265.2	265.7	270.3	253.1	270	265.4
	275.0	263.3	268.9	281.4	254.3	267	262.8
Mean	272.4	264.0	268.9	272.6	253.4	269	262.6
Std. Devn.	2.07	1.63	2.59	7.58	0.74	5.71	4.15
% RSD	0.76	0.62	0.96	2.78	0.29	2.12	1.58
Mo (ppm) by 4 Acid digestion ICP finish							
GS-P5J	31.5	31.1	-	16.46	35.0	31.1	31.5
	31.0	32.1	-	16.35	33.0	30.8	31.0
	30.5	31.4	-	16.42	33.0	30.7	30.5
	31.5	31.6	-	16.73	32.0	31.1	31.5
	31.5	30.6	-	16.51	33.0	31.3	31.5
	31.0	32.4	-	16.30	32.0	30.7	31.0
	32.0	31.2	-	16.46	34.0	31.7	32.0
	31.5	32.2	-	16.63	33.0	31.0	31.5
Mean	31.3	31.6	-	16.48	33.1	31.1	31.3
Std. Devn.	0.46	0.62	-	0.14	0.99	0.34	0.46
% RSD	1.46	1.97	-	0.86	2.99	1.09	1.46
Ni (ppm) by 4 Acid digestion ICP finish							
GS-P5J	101.0	101.1	109.44	104.7	95.58	105	-
	101.0	111.5	111.14	114.7	95.48	107	-
	102.0	102.4	110.39	144.5	95.63	109	-
	101.5	102.2	110.74	117.3	95.61	108	-
	102.0	101.8	111.61	113.2	95.46	109	-
	102.5	101.2	110.40	101.6	95.50	106	-
	102.5	103.0	115.47	110.3	95.85	108	-
	102.5	102.6	107.05	101.0	95.88	106	-
Mean	101.9	103.2	110.78	113.4	95.62	107	-
Std. Devn.	0.64	3.41	2.35	13.96	0.16	1.49	-
% RSD	0.63	3.30	2.13	12.31	0.17	1.39	-
Pb (ppm) by 4 Acid digestion ICP finish							
GS-P5J	129.0	132.2	105.4	-	116.3	105	149
	131.5	130.0	105.7	-	114.6	107	147
	129.0	131.0	105.3	-	115.9	109	146
	127.5	131.3	106.1	-	115.4	108	145
	131.0	130.0	106.5	-	117.1	109	148
	131.0	128.2	106.4	-	114.9	106	153
	131.0	128.6	106.9	-	116.4	108	146
	131.5	131.0	106.4	-	118.2	106	148
Mean	130.2	130.3	106.1	-	116.1	107	148
Std. Devn.	1.49	1.37	0.59	-	1.18	1.49	2.49
% RSD	1.14	1.05	0.55	-	1.02	1.39	1.69

APPENDIX I: Results from round-robin assaying-Continue:

Zn (ppm) by 4 Acid digestion ICP finish							
GS-P5J	542	540	650.5	580.2	517.3	526	553
	538	541	650.0	583.7	516.0	529	549
	535	540	659.4	584.3	517.3	549	547
	548	548	648.8	587.2	518.3	541	543
	559	542	658.6	601.8	517.6	546	546
	542	537	650.8	607.3	519.5	532	564
	555	541	654.9	560.8	516.5	539	555
	545	546	657.1	571.2	513.4	531	548
Mean	546	542	653.7	584.5	517.0	537	551
Std. Devn.	8.19	3.52	4.25	15.04	1.81	8.37	6.61
% RSD	1.50	0.65	0.65	2.57	0.35	1.56	1.20

Standard	Lab 1	Lab 3	Lab 9	Lab 14	Lab 17
SiO2 (%) XRF					
GS-P5J	54.00	54.89	54.21	53.48	54.48
	54.04	54.88	54.40	53.51	55.04
	54.05	54.88	53.90	53.54	54.63
	54.05	55.16	54.53	53.47	54.57
	54.19	54.72	54.42	53.43	54.43
	54.01	54.95	54.63	53.32	54.48
	54.11	55.11	54.53	53.36	54.49
	54.09	55.09	54.00	53.42	54.11
Mean	54.07	54.96	54.33	53.44	54.53
Std. Devn.	0.06	0.15	0.27	0.07	0.26
% RSD	0.11	0.27	0.49	0.14	0.47
Al2O3 (%) XRF					
GS-P5J	14.24	14.09	14.27	14.15	13.93
	14.26	14.14	14.32	14.14	13.97
	14.25	14.09	14.20	14.15	13.93
	14.25	14.14	14.10	14.20	13.87
	14.26	14.10	14.37	14.23	13.86
	14.24	14.12	14.60	14.15	13.89
	14.26	14.11	14.18	14.12	13.88
	14.24	14.12	14.29	14.17	13.84
Mean	14.25	14.11	14.29	14.16	13.90
Std. Devn.	0.01	0.02	0.15	0.04	0.04
% RSD	0.06	0.14	1.06	0.25	0.31
CaO (%) XRF					
GS-P5J	6.50	6.56	6.35	6.52	6.44
	6.51	6.56	6.23	6.49	6.47
	6.53	6.56	6.20	6.50	6.44
	6.53	6.59	6.07	6.51	6.46
	6.52	6.55	6.58	6.50	6.44
	6.52	6.55	6.20	6.54	6.44
	6.53	6.59	6.01	6.48	6.46
	6.51	6.56	6.30	6.49	6.43
Mean	6.52	6.57	6.24	6.50	6.45
Std. Devn.	0.01	0.02	0.18	0.02	0.01
% RSD	0.17	0.24	2.85	0.28	0.22

Fe2O3 (%) XRF					
GS-P5J	7.96	8.15	7.85	8.31	8.11
	7.94	8.18	7.66	8.27	8.16
	7.97	8.19	7.75	8.29	8.15
	7.95	8.19	7.54	8.34	8.13
	7.96	8.19	7.78	8.35	8.10
	7.93	8.17	7.84	8.37	8.12
	7.94	8.18	7.81	8.29	8.14
	7.93	8.18	7.82	8.30	8.09
Mean	7.95	8.18	7.76	8.31	8.13
Std. Devn.	0.01	0.01	0.11	0.03	0.02
% RSD	0.19	0.17	1.38	0.39	0.30

Standard	Lab 1	Lab 3	Lab 9	Lab 14	Lab 17
K2O (%) XRF					
GS-P5J	1.46	1.46	1.67	1.47	1.45
	1.47	1.45	1.67	1.46	1.46
	1.47	1.44	1.65	1.46	1.44
	1.46	1.45	1.68	1.47	1.45
	1.46	1.45	1.64	1.47	1.46
	1.46	1.45	1.62	1.47	1.46
	1.47	1.46	1.67	1.46	1.46
	1.46	1.46	1.63	1.46	1.45
Mean	1.46	1.45	1.65	1.47	1.45
Std. Devn.	0.01	0.01	0.02	0.01	0.01
% RSD	0.35	0.49	1.33	0.42	0.51
MgO (%) XRF					
GS-P5J	4.97	5.23	5.36	5.07	5.19
	4.97	5.20	5.17	5.06	5.23
	4.99	5.21	5.31	5.06	5.18
	4.98	5.24	5.26	5.05	5.19
	4.99	5.20	5.34	5.08	5.18
	5.00	5.21	5.27	5.06	5.19
	4.99	5.23	5.24	5.03	5.19
	4.97	5.23	5.25	5.06	5.18
Mean	4.98	5.22	5.28	5.06	5.19
Std. Devn.	0.01	0.02	0.06	0.02	0.02
% RSD	0.23	0.30	1.16	0.30	0.32
Na2O (%) XRF					
GS-P5J	2.33	2.27	2.41	2.17	2.25
	2.31	2.26	2.58	2.12	2.23
	2.31	2.27	2.22	2.19	2.23
	2.31	2.26	2.38	2.14	2.20
	2.33	2.27	2.41	2.16	2.22
	2.32	2.25	2.43	2.13	2.22
	2.32	2.29	2.58	2.15	2.24
	2.32	2.27	2.41	2.17	2.24
Mean	2.32	2.27	2.43	2.15	2.23
Std. Devn.	0.01	0.01	0.11	0.02	0.02
% RSD	0.36	0.51	4.69	1.02	0.70

P2O5 (%) XRF					
GS-P5J	0.19	0.169	0.18	0.17	0.17
	0.20	0.171	0.17	0.17	0.17
	0.19	0.171	0.18	0.17	0.17
	0.20	0.171	0.16	0.17	0.16
	0.19	0.172	0.20	0.17	0.17
	0.19	0.172	0.20	0.17	0.17
	0.19	0.174	0.19	0.17	0.17
	0.19	0.173	0.21	0.17	0.17
Mean	0.19	0.172	0.19	0.17	0.17
Std. Devn.	0.00	0.00	0.02	0.00	0.00
% RSD	2.40	0.88	9.05	0.92	2.10

Standard	Lab 1	Lab 3	Lab 9	Lab 14	Lab 17
TiO2 (%) XRF					
GS-P5J	0.72	0.81	0.82	0.85	0.81
	0.72	0.80	0.80	0.84	0.81
	0.73	0.80	0.81	0.85	0.81
	0.73	0.81	0.79	0.85	0.81
	0.73	0.81	0.81	0.84	0.80
	0.73	0.81	0.79	0.84	0.81
	0.73	0.80	0.80	0.85	0.81
	0.72	0.81	0.79	0.85	0.80
Mean	0.73	0.81	0.80	0.85	0.81
Std. Devn.	0.01	0.01	0.01	0.00	0.00
% RSD	0.71	0.64	1.46	0.30	0.57
LOI (%) Furnace					
GS-P5J	5.34	5.53	5.68	5.81	5.65
	5.34	5.56	5.77	6.01	5.60
	5.34	5.57	5.85	5.85	5.66
	5.34	5.50	5.79	5.88	5.71
	5.34	5.56	5.77	6.11	5.57
	5.34	5.48	5.72	6.02	5.60
	5.34	5.48	5.84	6.06	5.63
	5.34	5.53	5.81	5.88	5.69
Mean	5.34	5.53	5.78	5.95	5.64
Std. Devn.	0.00	0.04	0.06	0.11	0.05
% RSD	0.00	0.66	1.00	1.86	0.85

Notes: Highlighted assay results were removed for failing the t-test.

APPENDIX II:

Participating Laboratories: (not in same order as table of assays)

Al Amri, Saudi Arabia	QKR Navachab Gold Mine Lab. Namibia
Dallagio, Chegutu, Zimbabwe	QLS Saudi Arabia
GeoAngol, Viana, Angola	SGS Kalgoorlie, Broadwood, Australia
Intertek Ore Zone Burkina Faso	SGS Tarkwa, Ghana
Intertek Perth, Australia	SGS South Africa (Pty) Ltd - Barberton
Intertek Somisa, Burkina Faso	SGS Burnaby, Canada
Intertek Mineral Tarkwa Ghana	Shamva Mine, Shamva, Zimbabwe
Nesch Mintec Lab, Tanzania	Shiva Analytical India
Newlyn Lab Services, South Africa	Skyline Assayers and Labs, Az, USA

APPENDIX III: QAQC

The table below illustrates percentages of over size (+200 mesh) material in CDN-GS-P5J

Standard	Study Date	Total weight Screened (g)	Total weight Over size (g)	Percentage
GS-P5J	4/22/2024	300	4	1.3%
	4/22/2024	300	4	1.3%
	4/22/2024	300	3.5	1.2%

Table below shows homogeneity test results of CDN-GS-P5J

	Au Original	Au Repeat	Between Sample Variance Wt	Sample Avg. Xt	Stdev of Sample Avg	Within-Sample Std.
GS-P5J	0.610	0.680	0.070	0.645	0.000	0.005
	0.680	0.700	0.020	0.690	0.001	0.000
	0.640	0.690	0.050	0.665	0.000	0.002
	0.680	0.710	0.030	0.695	0.001	0.001
	0.650	0.630	0.020	0.640	0.000	0.000
	0.660	0.650	0.010	0.655	0.000	0.000
	0.630	0.630	0.000	0.630	0.001	0.000
	0.640	0.660	0.020	0.650	0.000	0.000
	0.720	0.620	0.100	0.670	0.000	0.010
	0.690	0.680	0.010	0.685	0.001	0.000
	0.740	0.650	0.090	0.695	0.001	0.008
	0.660	0.620	0.040	0.640	0.000	0.002
	0.670	0.630	0.040	0.650	0.000	0.002
	0.650	0.690	0.040	0.670	0.000	0.002
	0.640	0.670	0.030	0.655	0.000	0.001

Statistics			Gavg	SX	SS
Mean	0.664	0.661	0.662	0.021	0.010
SD	0.0342	0.0303	C	C SQRT	
RSD	5.148	4.593	0.0016	0.04	

Based on Statistical procedures outlined in Annex B, ISO 13528:2015 guidelines, if "SS is < square root of C" Standard is considered homogeneous. **GS-P5J is statistically homogenous**

APPENDIX IV: Statistics for Uncertified Elements

Oxides/ Elements	Generic Method	Number of results	Mean	Standard Deviation	RSD %	Unit
Cr_2O3	Fusion	24	0.02	0.005	22	%
Ag	4 Acid Digestion-Instrumental Finish	32	3.2	0.4	12	ppm
As		16	505	22.3	4.5	
Be		16	0.7	0.05	8	
Bi		16	0.6	0.08	13	
Cd		32	4.6	0.8	18	
Ce		24	26.3	1.3	5	
Co		40	29	2	7	
Cr		48	150	14	9	
Cs		24	2.6	0.25	9.5	
Ga		32	16.5	0.9	6	
In		24	0.11	0.02	17	
La		24	12.7	0.26	2	
Li		40	27.2	2.9	11	
Nb		24	11.7	2.1	18	
P		24	750	20	3	
Rb		24	35.5	4	11	
Sb		32	19.3	1.2	6	
Sc		32	9.1	1.2	13	
Sn		16	2	0.05	2.5	
Ta		16	0.6	0.05	8	
Th		24	2.1	0.06	3	
Ti		24	4363	50	1	
U		24	0.8	0.07	8.5	
V		32	178	15	8	
Ag	Aqua Regia digestion-Instrumental finish	16	2.72	0.3	11	
Cd		16	5.2	0.7	14	
P		16	724	5.5	1	
Mo		16	30.3	0.3	1	
S		16	0.6	0.004	1	
Sb		16	7.8	0.7	10	
Sc		16	9.5	0.9	9	

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APPENDIX IV: Statistics for Uncertified Elements-Continue

Standard	Lab 1	Lab 3	Lab 5	Lab 9	Lab 14	Lab 17
	Total S (%) LECO					
GS-P5J	-	0.59	-	-	-	0.58
	-	0.58	-	-	-	0.58
	-	0.59	-	-	-	0.58
	-	0.60	-	-	-	0.58
	-	0.59	-	-	-	0.57
	-	0.59	-	-	-	0.58
	-	0.59	-	-	-	0.58
	-	0.60	-	-	-	0.58
Mean	-	0.59	-	-	-	0.58
Std. Devn.	-	0.01	-	-	-	0.00
% RSD	-	1.08	-	-	-	0.56
	Total C (%) LECO					
GS-P5J	-	1.05	1.09	-	-	1.03
	-	1.05	1.10	-	-	1.02
	-	1.06	1.10	-	-	1.04
	-	1.05	1.07	-	-	1.02
	-	1.05	1.13	-	-	1.02
	-	1.05	1.10	-	-	1.04
	-	1.06	1.10	-	-	1.05
	-	1.05	1.10	-	-	1.02
Mean	-	1.05	1.10	-	-	1.03
Std. Devn.	-	0.00	0.01	-	-	0.01
% RSD	-	0.44	1.30	-	-	1.05
	Specific Gravity Pycnometer					
GS-P5J	-	2.82	-	-	-	2.81
	-	2.82	-	-	-	2.82
	-	2.81	-	-	-	2.83
	-	2.81	-	-	-	2.84
	-	2.81	-	-	-	2.82
	-	2.81	-	-	-	2.83
	-	-	-	-	-	2.82
	-	2.80	-	-	-	2.82
Mean	-	2.81	-	-	-	2.82
Std. Devn.	-	0.01	-	-	-	0.01
% RSD	-	0.25	-	-	-	0.32

APPENDIX V: General Notes

Intended Use

This Certified Reference Material, fit for use as a control sample in routine assay laboratory quality control when inserted within runs of test samples and measured in parallel to test samples. This material can also be used for method development, use as independent calibration verification check standard or for validation of accuracy in a method validation exercise.

This CRM can also be used to assess inter-laboratory or instrument bias and establish within-laboratory precision and within-laboratory reproducibility. The certified concentrations and expanded uncertainty for this material are property values based on an inter-laboratory measurement campaign and reflect consensus results from the laboratories that took part in the exercise.

Handling

Do not use this product if the seal is broken or there are any signs of contamination.

The material is packaged in either Tin Tie envelopes, foil envelopes or jars that must be shaken before use.

Storage information

The material should be stored in a dry place, in such a way that it does not compromise the integrity of the CRM. The material should be stored in conditions which will ensure it does not absorb moisture.

The certificate is not valid if re-packaged by a third party.

Metrological Traceability

The values quoted herein are based on the consensus values derived from statistical analysis of the data from an inter-laboratory measurement program. Traceability to SI units is via the standards used by the individual laboratories, all of which are accredited to the ISO17025 general requirements for the competence of testing and calibration laboratories and who have maintained measurement traceability during the analytical process.

Period of Validity

The certified values are valid for this product, while still sealed in its original packaging, until notification to the contrary. The material's stability will undergo regular testing every five years throughout its inventory duration. Should product stability become an issue, all customers will be notified and notification to that effect will be placed on the http://www.cdnlabs.com/ website.

Minimum Sample Size

Most of the laboratory's reporting used a 0.5g sample size for the ICP and a 30g sample size for the fire assay. 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. These are the recommended minimum sample sizes for the use of this material.