



Date Submitted: 14-Aug-15
Invoice No.: A15-06588
Invoice Date: 20-Aug-15
Your Reference: Aug. 14/15

Paul Adams
20 Colinayre
Toronto ON M1T 3A9
Canada

ATTN: Paul Adams

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1E3-Timmins Aqua Regia ICP(AQUAGEO)

REPORT **A15-06588**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1	< 0.2	< 0.5	119	1240	< 1	28	< 2	91	3.74	< 2	< 10	187	< 0.5	< 2	3.25	34	28	10.0	20	< 1	0.22	< 10	1.66
2	< 0.2	< 0.5	141	750	< 1	10	< 2	50	2.10	2	< 10	25	< 0.5	< 2	1.63	32	2	8.89	20	< 1	0.08	< 10	1.04
3	< 0.2	< 0.5	184	784	< 1	41	< 2	55	2.17	< 2	< 10	24	< 0.5	2	1.63	39	4	8.61	10	< 1	0.04	< 10	1.47
4	< 0.2	< 0.5	2	306	2	5	< 2	4	0.32	< 2	< 10	20	< 0.5	< 2	2.35	1	27	1.52	< 10	< 1	0.02	< 10	0.03
5	< 0.2	< 0.5	12	458	2	7	< 2	20	1.12	< 2	< 10	23	< 0.5	< 2	3.06	6	22	2.45	< 10	< 1	0.01	< 10	0.24
6	< 0.2	< 0.5	105	1390	< 1	29	< 2	80	3.80	< 2	< 10	50	< 0.5	< 2	3.18	29	21	10.2	20	< 1	0.07	< 10	1.69
7	< 0.2	< 0.5	69	2490	< 1	45	< 2	101	2.85	12	< 10	14	< 0.5	5	5.23	38	56	10.9	< 10	< 1	0.01	< 10	3.09
8	5.6	9.1	4700	657	6	401	211	3580	1.33	250	< 10	12	< 0.5	5	0.22	214	293	35.0	< 10	< 1	< 0.01	< 10	1.23
10	< 0.2	< 0.5	176	789	< 1	42	< 2	109	2.96	< 2	< 10	48	< 0.5	< 2	2.19	33	21	9.59	10	< 1	0.19	< 10	0.94

Results

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1	0.410	0.034	0.13	4	21	43	0.54	3	< 2	< 10	271	< 10	18	26
2	0.127	0.065	0.26	4	4	60	0.52	5	< 2	< 10	123	< 10	14	25
3	0.106	0.048	0.18	4	5	34	0.41	4	< 2	< 10	199	< 10	9	17
4	0.025	0.001	< 0.01	< 2	< 1	43	< 0.01	< 1	< 2	< 10	11	< 10	< 1	1
5	0.029	0.010	0.01	< 2	3	59	0.17	< 1	< 2	< 10	92	< 10	5	5
6	0.354	0.034	0.12	5	16	48	0.46	2	< 2	< 10	232	< 10	14	13
7	0.075	0.020	0.15	5	27	20	< 0.01	< 1	< 2	< 10	169	< 10	2	4
8	0.025	0.010	10.5	20	10	3	0.13	3	< 2	< 10	98	< 10	5	28
10	0.432	0.061	0.12	4	6	55	0.40	3	< 2	< 10	316	< 10	18	32

QC

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	28.2	2.6	1120	909	16	33	616	692	0.32	363	< 10	487	0.8	1380	0.77	6	7	23.7	< 10	3	0.03	< 10	0.13
GXR-1 Cert	31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50	0.217
GXR-4 Meas	3.3	< 0.5	6420	160	363	39	44	75	2.48	100	< 10	66	1.5	15	0.88	14	57	3.28	10	< 1	1.71	52	1.56
GXR-4 Cert	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5	1.66
GXR-6 Meas	0.2	< 0.5	67	1130	1	22	87	118	6.10	225	< 10	1100	0.9	< 2	0.15	13	78	5.95	20	< 1	1.05	11	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
1 Orig	< 0.2	< 0.5	119	1250	< 1	31	< 2	91	3.76	< 2	< 10	187	< 0.5	< 2	3.29	34	28	10.1	20	< 1	0.22	< 10	1.68
1 Dup	0.7	< 0.5	119	1230	< 1	25	< 2	92	3.72	< 2	< 10	186	< 0.5	< 2	3.22	34	27	9.97	20	1	0.22	< 10	1.65
10 Orig	< 0.2	< 0.5	178	786	< 1	43	2	111	2.98	2	< 10	48	< 0.5	2	2.20	33	21	9.60	10	< 1	0.20	< 10	0.95
10 Dup	< 0.2	< 0.5	174	792	< 1	42	< 2	108	2.95	< 2	< 10	48	< 0.5	< 2	2.19	33	20	9.57	10	< 1	0.19	< 10	0.94
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	12	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

QC

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.061	0.039	0.19	86	1	188	< 0.01	7	< 2	30	82	162	24	20
GXR-1 Cert	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-4 Meas	0.123	0.117	1.67	4	7	82	0.13	1	< 2	< 10	86	16	12	14
GXR-4 Cert	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	0.104	0.030	0.01	5	20	35	< 1	< 2	< 10	173	< 10	6	17	
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0	0.0180	2.20	1.54	186	1.90	14.0	110	
1 Orig	0.413	0.034	0.13	4	22	43	0.55	3	< 2	< 10	273	< 10	18	27
1 Dup	0.407	0.034	0.13	4	21	42	0.54	3	< 2	< 10	268	< 10	18	26
10 Orig	0.433	0.061	0.12	4	6	56	0.39	5	< 2	< 10	316	< 10	18	32
10 Dup	0.432	0.060	0.13	3	6	55	0.40	2	< 2	< 10	316	< 10	18	32
Method Blank	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1