

CLIENT NAME: 21 ALPHA RESSOURCES Inc.


902-233-3746

ATTENTION TO: John Shurko

PROJECT: Lake Ainslie

AGAT WORK ORDER: 19T447689

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Apr 03, 2019

PAGES (INCLUDING COVER): 7

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

***NOTES**

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 19T447689

PROJECT: Lake Ainslie

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: 21 ALPHA RESSOURCES Inc.

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(200-) Sample Login Weight

DATE SAMPLED: Mar 19, 2019

DATE RECEIVED: Mar 18, 2019

DATE REPORTED: Apr 03, 2019

SAMPLE TYPE: Rock

Analyte:

Sample
Login
Weight
(TOR)

Unit:

kg

Sample ID (AGAT ID)

RDL:

0.01

LA-001 (9978865)

1.770

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

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CLIENT NAME: 21 ALPHA RESSOURCES Inc.

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(201-044) Fluoride by Ion Selective Electrode

DATE SAMPLED: Mar 19, 2019

DATE RECEIVED: Mar 18, 2019

DATE REPORTED: Apr 03, 2019

SAMPLE TYPE: Rock

Analyte: F-

Unit: ppm

Sample ID (AGAT ID)

RDL: 50

LA-001 (9978865)

94030

Comments: RDL - Reported Detection Limit

Certified By:



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CLIENT NAME: 21 ALPHA RESSOURCES Inc.

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(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Mar 19, 2019		DATE RECEIVED: Mar 18, 2019					DATE REPORTED: Apr 03, 2019					SAMPLE TYPE: Rock			
Analyte:		Al ₂ O ₃	BaO	CaO	Cr ₂ O ₃	Fe ₂ O ₃	K ₂ O	MgO	MnO	Na ₂ O	P ₂ O ₅	SiO ₂	TiO ₂	SrO	V ₂ O ₅
Unit:		%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID)		RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
LA-001 (9978865)			0.17	53.5	13.1	<0.01	0.11	0.04	0.03	<0.01	0.24	<0.01	0.56	0.03	1.11
Analyte:		LOI	Total												
Unit:		%	%												
Sample ID (AGAT ID)		RDL:	0.01	0.01											
LA-001 (9978865)			0.60	69.5											

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: 21 ALPHA RESSOURCES Inc.

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(201-044) Fluoride by Ion Selective Electrode

REPLICATE #1																
Parameter	Sample ID	Original	Replicate	RPD												
F-	9978865	94030	93475	0.6%												

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

REPLICATE #1																
Parameter	Sample ID	Original	Replicate	RPD												
Al2O3	9978865	0.169	0.151	11.3%												
BaO	9978865	53.5	53.7	0.4%												
CaO	9978865	13.1	13.1	0.0%												
Cr2O3	9978865	< 0.01	< 0.01	0.0%												
Fe2O3	9978865	0.108	0.102	5.7%												
K2O	9978865	0.04	0.04	0.0%												
MgO	9978865	0.03	0.03	0.0%												
MnO	9978865	< 0.01	0.02													
Na2O	9978865	0.242	0.202	18.0%												
P2O5	9978865	< 0.01	< 0.01	0.0%												
SiO2	9978865	0.56	0.55	1.8%												
TiO2	9978865	0.03	0.03	0.0%												
SrO	9978865	1.11	1.11	0.0%												
V2O5	9978865	< 0.01	< 0.01	0.0%												
LOI	9978865	0.60	0.61	1.7%												



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Quality Assurance - Certified Reference materials

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(201-044) Fluoride by Ion Selective Electrode

Parameter	CRM #1				CRM #2											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
F-	600	540	90%	90% - 110%												

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

Parameter	CRM #1 (REF.SY-4)				CRM #2											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al ₂ O ₃	20.7	20.8	100%	90% - 110%												
BaO	0.038	0.039	103%	90% - 110%												
CaO	8.05	8.04	100%	90% - 110%												
Fe ₂ O ₃	6.21	6.28	101%	90% - 110%												
K ₂ O	1.66	1.67	101%	90% - 110%												
MgO	0.54	0.51	94%	90% - 110%												
MnO	0.108	0.114	106%	90% - 110%												
Na ₂ O	7.1	7.2	101%	90% - 110%												
P ₂ O ₅	0.131	0.124	95%	90% - 110%												
SiO ₂	49.9	50.1	100%	90% - 110%												
TiO ₂	0.287	0.292	102%	90% - 110%												
SrO	0.141	0.134	95%	90% - 110%												
LOI					4.56	4.37	95%	90% - 110%								

Method Summary

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SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight (TOR)	MIN-12009		BALANCE
F-	MIN-200-12030	ASTM D3761-96	ISE
Al ₂ O ₃	MIN-200-12027		XRF
BaO	MIN-200-12027		XRF
CaO	MIN-200-12027		XRF
Cr ₂ O ₃	MIN-200-12027		XRF
Fe ₂ O ₃	MIN-200-12027		XRF
K ₂ O	MIN-200-12027		XRF
MgO	MIN-200-12027		XRF
MnO	MIN-200-12027		XRF
Na ₂ O	MIN-200-12027		XRF
P ₂ O ₅	MIN-200-12027		XRF
SiO ₂	MIN-200-12027		XRF
TiO ₂	MIN-200-12027		XRF
SrO	MIN-200-12027		XRF
V ₂ O ₅	MIN-200-12027		XRF
LOI	MIN-200-12021		GRAVIMETRIC
Total	MIN-200-12027		CALCULATION