

REPORT NO.  
C20301-70015

ACCOUNT NUMBER  
01429

# A & L Canada Laboratories Inc.

2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664



TO: PAULEY VENTURES INC  
1496 RTE 207  
BELLE RIVER, PE C0A 1B0

ATTN: Cecil Pauley

Phone: .

## CERTIFICATE OF ANALYSIS

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PROJECT NO:  
PO#:  
LAB NUMBER: 3017022  
SAMPLE ID: 1 MUSSEL

SAMPLE MATRIX: SOLID  
DATE SAMPLED: NONE GIVEN  
DATE RECEIVED: 2020-10-27  
DATE REPORTED:  
DATE PRINTED: 2020-11-04

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Total Carbon	7.88	%	0.10	Combustion
pH	7.96	---	0.10	pH Meter
TNV	89.5	%	1.0	Titration
Aluminum	97.80	ug/g	5.00	EPA 3050/6010 (mod)*
Boron	4.96	ug/g	1.00	EPA 3050/6010 (mod)*
Calcium	446900.00	ug/g	5.00	EPA 3050/6010 (mod)*
Copper	2.52	ug/g	1.00	EPA 3050B/6010 (mod)*
Iron	274.50	ug/g	5.00	EPA 3050/6010 (mod)*
Magnesium	825.00	ug/g	5.00	EPA 3050/6010 (mod)*
Manganese	25.51	ug/g	1.00	EPA 3050/6010 (mod)*
Phosphorus	619.00	ug/g	5.00	EPA 3050/6010 (mod)*
Potassium	208.50	ug/g	5.00	EPA 3050/6010 (mod)*
Sodium	5745.00	ug/g	1.00	EPA 3050/6010 (mod)*
Sulphur	799.00	ug/g	5.00	EPA 3050/6010 (mod)*
Zinc	10.37	ug/g	1.00	EPA 3050B/6010 (mod)*
Total Solids (as received)	99.46	%	0.10	Gravimetric

Comment:

Results reported on a dry weight basis

\* - accredited test

BDL - Below detectable levels

The results of this report relate to the sample submitted and analyzed.



C20301-70015

Results Authorized By:

Haifeng Song, Ph.D., C.Chem. Lab Director

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# A & L Canada Laboratories Inc.

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A&L Lab Test Results	PEI AGLime 12-Nov-20	PEI 100% Lobster Shell 10-Dec-20	PEI 100% Mussel Shell 10-Dec-20	PEI 85% Lobster 15% Mussel 10-Dec-20
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## CFIA LABEL

### AGRICULTURAL ANALYSIS

DWB				
Total Nitrogen (%)	0	1.14	0.65	0.56
Phosphorus as P205 (%)	0	5.48	0.94	3.73
Potassium K20 (%)	0	0.04	0	0.1
Calcium (%)	24.4	2626	34.43	27.23
Magnesium (%)	14.1	1.18	0.22	0.61

Total Solids	%	94.67	59.47	77.28	70.89
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### Agricultural Analysis "as is"

Total Nitrogen (%)	0	0.7	0.5	0.4
Phosphorus as P205 (%)	0	3.3	0.7	2.6
Potassium K20 (%)	0	0	0	0.1
Calcium (%)	23.1	15.6	26.6	19.3
Magnesium (%)	13.3	0.7	0.2	0.4
Organic Matter (%)		15.5	6.3	9.3
Fines #10 mesh%	99.5	58.2	44.9	64.8
Fines #60 mesh%	57.6	14.7	17.4	25.4
Fines #100 mesh %	43.3	13	15	21.4

### Soil Neutralization Availability

Neutralizing Value	%	101.5	59.8	72.5	60
ECCE**		75.7	19.2	20.6	24.7
Lime Blend			Ratio: 1:3:9	Ratio: 1:3:7	Ratio: 1:3:1

\*TNV\* Total Neutralizing Value

### Other

pH	8.59	7.8	7.8	7.8
Free Lime Ca0	0	0	0	0

Fertilizer/Lime Value per Tonne		\$121.09	\$42.01	\$86.63
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	Value comes from Nutrients (P and Mg biggest) Only \$10 attributed to Lime	Value comes from nutrients (P and Mg Biggest) only \$10 attributed to Lime	Value comes from nutrients (P and Mg biggest) Only \$13 attributed to Lime
Fertilizer	0.7.3.3.0	0.5.0.7.0	0.4.2.6.0.1

This doesn't mean this is what could be charged for it. Costs more for trucking, application, and time compared to fertilizer. Comparing to other amendments with similar \$ Value. Product charge comparison would be per tonne.

	\$15	Free	\$10.00
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## CFIA LABEL

### AGRICULTURAL ANALYSIS

	DWB				
Total Nitrogen (%)	0	1.14	0.65	0.56	
Phosphorus as P2O5 (%)	0	5.48	0.94	3.73	
Potassium K2O (%)	0	0.04	0	0.1	
Calcium (%)	24.4	2626	34.43	27.23	
Magnesium (%)	14.1	1.18	0.22	0.61	
<b>Total Solids</b>	<b>%</b>	<b>94.67</b>	<b>59.47</b>	<b>77.28</b>	<b>70.89</b>

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*TNV* Total Neutralizing Value					

### Other

pH	8.59	7.8	7.8	7.8
Free Lime CaO	0	0	0	0