

Report Number: C18012-10045
 Account Number: 95000

A & L Canada Laboratories Inc.

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



C18012-10045



To: TRANSFORM COMPOST SYSTEMS
 3911 MT LEHMAN RD
 ABBOTSFORD, BC V2T5W5

For:

Attn: JOHN PAUL

Reported Date: 2018-01-16
 Printed Date: Jan 22, 2018

COMPOST REPORT

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Sample Number	Lab Number	pH	Lime Index	Available Organic Matter %	Phosphorus P ppm	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm
TRANSFORM SOI	20906	7.4	6.8	42.8	34	184	209	2270

Sulfur S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Sodium Na ppm	Nitrate-N NO3-N ppm	Soluble Salt ms/cm	Nitrogen (Total) (%)	Moisture %
16	3.5	40	184	0.8	0.5	25	197	5.7	3.38	

INTERPRETATION

CEC		Percent Base Saturation				Proportional Equivalents (meq)				Cation Ratio		C/N Ratio
meq/100g	% BS	% K	% Mg	% Ca	% Na	K	Mg	Ca	Na	Mg/K	Ca/Mg	
13.6	100.0	3.46	12.59	83.15	0.80	0.47	1.72	11.35	0.11	4:1	7:1	
Optimum Range:		3 - 5	8 - 20	60 - 80		0.5 - 1.3				7:1	5:1	

CQA

* Results reported on a dry weight basis.

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

* Crop yield is influenced by a number of factors in addition to soil fertility.

No guarantee or warranty concerning crop performance is made by A & L.

A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca
 Additional information available upon request

Results Authorized By:

Ian McLachlin, Vice President

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REPORT OF ANALYSIS

TO: TRANSFORM COMPOST SYSTEMS
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DATE RECEIVED: 2018-01-12
DATE REPORTED: 2018-01-22
PAGE: 1 / 1

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LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
20906	TRANSFORM SOIL CONDI	Nitrogen (Total)	3.4	%	TMECC.04.02-D



C18012-10045

Results Authorized By:

A handwritten signature in black ink, appearing to be 'm. [unclear]', written over a horizontal line.

REPORT NO.
C18012-70007

ACCOUNT NUMBER
95000

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TO: TRANSFORM COMPOST SYSTEMS
3911 MT LEHMAN RD.
ABBOTSFORD, BC V2T5W5
CANADA
CANADA

ATTN: JOHN PAUL

Phone: 519-457-2575



CERTIFICATE OF ANALYSIS

PAGE: 1 / 3

PROJECT NO:
PO#: PAUL
LAB NUMBER: 127009
SAMPLE ID: TRANSFORM SOIL CONDITIONER

SAMPLE MATRIX: COMPOST
DATE SAMPLED: 2018-01-11
DATE RECEIVED: 2018-01-12
DATE REPORTED: 2018-01-19
DATE PRINTED: 2018-01-22

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Arsenic	2.11	ug/g	1.00	EPA 3050/6010 (mod) *
Cadmium	BDL*	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)*
Cobalt	2.36	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)
Chromium	8.34	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)*
Copper	300.65	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)
Mercury	BDL*	ug/g	0.10	EPA 7471 *
Molybdenum	3.5	ug/g	1.0	TMECC.04.06;EPA 3050/6010(mod)*
Nickel	8.83	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)
Lead	4.57	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)
Selenium	2.77	ug/g	1.00	EPA 3050/6010 (mod) *
Zinc	382.55	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)

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.



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Results Authorized By:

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

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CERTIFICATE OF ANALYSIS

PAGE: 2 / 3

PROJECT NO:
PO#: PAUL
LAB NUMBER: 127010
SAMPLE ID: TRANSFORM SOIL CONDITIONER

SAMPLE MATRIX: COMPOST
DATE SAMPLED: 2018-01-11
DATE RECEIVED: 2018-01-12
DATE REPORTED: 2018-01-19
DATE PRINTED: 2018-01-22

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
E. coli	<3	MPN/g dry	3	TMECC 07.01
Salmonella spp.	NEGATIVE	P-A/25.0g(ml)	1 CFU	MFLP-75 *
Fecal Coliform	<3	MPN/g dry	3	TMECC 07.01
Total Potassium (as K2O)	2.47	%	0.05	ICP
Total sharps > 2.8 mm*	BDL*	pieces/500ml		TMECC 03.08
Total sharps > 12.5 mm	BDL*	pieces/500ml		TMECC 03.08
Total FM > 2.8 mm*	BDL*	%	0.01	TMECC 03.08
Total FM > 25 mm	BDL*	pieces/500ml		TMECC 03.08
Total plastics > 2.8 mm*	BDL*	%	0.01	TMECC 03.08
Total Phosphorus (as P2O5)	3.86	%	0.05	ICP
Total Organic Matter @ 550 deg C	70.83	%	0.10	LOI@550C
Moisture	32.91	%	0.10	TMECC.03.09-A
C:N Ratio	12:1			TMECC.05.02-A
Sieve 2 Inch (% Passing)	100.00	%	0.10	ASTMD422
Sieve 1 Inch (% Passing)	100.00	%	0.10	ASTMD422
Sieve 1/2 Inch (% Passing)	100.00	%	0.10	ASTMD422
Sieve 3/8 Inch (% Passing)	99.80	%	0.01	ASTMD422
Sieve 1/4 Inch (% Passing)	99.40	%	0.10	ASTMD422
Compost Stability Index	8	---		TMECC.05.08-B
Respiration-mgCO2-C/g OM/day	1.70	mgCO2-C/ gOM/day	0.01	TMECC.05.08-B
Respiration - mgCO2-C/g TS/day	1.20	mgCO2-C/gTS/ day	0.01	TMECC.05.08-B

Comment:

Maturity Index: 8 - Inactive, highly matured compost, very well aged, possibly over-aged, like soil; no limitations for usage.

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Results Authorized By:

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



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PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
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1. FM (Foreign matter) = glass, metal, plastic
2. Sharps = foreign matter pieces of a size or shape that can cause human or animal injury
3. 8 mesh screen = 2.36mm
4. *2.8mm screen is used since 3.0mm screen does not exist

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