

REPORT NO.  
C20260-70003

ACCOUNT NUMBER  
95000

# A & L Canada Laboratories Inc.

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



TO: TRANSFORM COMPOST PRODUCTS  
3911 MT LEHMAN RD  
ABBOTSFORD, BC V2T 5W5

FOR: WORM CASTINGS



Phone: 519-457-2575

## CERTIFICATE OF ANALYSIS

PAGE: 1 / 3

PROJECT NO:  
PO#: TCP 2020  
LAB NUMBER: 2607009  
SAMPLE ID: WORM CASTINGS

SAMPLE MATRIX: COMPOST  
DATE SAMPLED: 2020-09-14  
DATE RECEIVED: 2020-09-16  
DATE REPORTED: 2020-09-28  
DATE PRINTED: 2020-09-28

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Arsenic	2.35	ug/g	1.00	EPA 3050B/6010B(mod) *
Cadmium	BDL	ug/g	1.00	EPA 3050B/6010B(mod) *
Cobalt	4.75	ug/g	1.00	TMECC.04.06; EPA 3050/6010(mod)
Chromium	18.87	ug/g	1.00	TMECC.04.06; EPA 3050/6010(mod)*
Copper	59.00	ug/g	1.00	TMECC.04.06; EPA 3050/6010(mod)
Mercury	BDL	ug/g	0.10	EPA 7471 *
Molybdenum	2.7	ug/g	1.0	TMECC.04.06; EPA 3050/6010(mod)*
Nickel	9.82	ug/g	1.00	TMECC.04.06; EPA 3050/6010(mod)
Lead	7.02	ug/g	1.00	EPA 3050B/6010B(mod) *
Selenium	BDL	ug/g	1.00	EPA 3050/6010 (mod) *
Zinc	192.95	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.



C20260-70003

Results Authorized By:

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

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FOR: WORM CASTINGS



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PROJECT NO:  
PO#: TCP 2020  
LAB NUMBER: 2607010  
SAMPLE ID: WORM CASTINGS

SAMPLE MATRIX: COMPOST  
DATE SAMPLED: 2020-09-14  
DATE RECEIVED: 2020-09-16  
DATE REPORTED: 2020-09-28  
DATE PRINTED: 2020-09-28

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
E. coli	10	MPN/g dry	3	TMECC 07.01
Salmonella spp.	NEGATIVE	P-A/25.0g(ml)	1 CFU	MFLP-75 *
Fecal Coliform	24	MPN/g dry	3	TMECC 07.01
Total Potassium (as K2O)	0.99	%	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)	0.89	%	0.05	ICP
Total Organic Matter @ 550 deg C	42.99	%	0.10	LOI@550C
Moisture	62.28	%	0.10	TMECC.03.09-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)	100.00	%	0.01	ASTMD422
Sieve 1/4 Inch (% Passing)	100.00	%	0.10	ASTMD422
Compost Stability Index	8	---		TMECC.05.08-B
Respiration-mgCO2-C/g OM/day	BDL	mgCO2-C/ gOM/day	0.01	TMECC.05.08-B
Respiration - mgCO2-C/g TS/day	BDL	mgCO2-C/gTS/ day	0.01	TMECC.05.08-B

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SAMPLE MATRIX: COMPOST  
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PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
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Maturity Index: 8 - Inactive, highly matured compost, very well aged, possibly over-aged, like soil; no limitations for usage.

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

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Report Number: C20260-10377  
 Account Number: 95000

# A & L Canada Laboratories Inc.

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



C20260-10377



To: TRANSFORM COMPOST PRODUCTS  
 3911 MT LEHMAN RD  
 ABBOTSFORD, BC V2T 5W5

For: WORMCASTINGS

P.O. Number: TCP2020

Reported Date:  
 Printed Date: Sep 28, 2020

## 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
WORMCASTINGS	55727	7.0	6.9	34.7	615	2811	977	2580

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) (%)	Chloride ppm
130	43.0	17	159	3.7	3.0	509	1638	3.1	2.04	1412

### 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	
30.4	100.0	23.74	26.47	42.50	7.29	7.21	8.03	12.90	2.21	1:1	2:1	11:1
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.**

Results Authorized By:

Ian McLachlin, Vice President

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ABBOTSFORD, BC V2T 5W5

RE: WORMCASTINGS

DATE RECEIVED: 2020-09-16

DATE REPORTED: 2020-09-28

PAGE: 1 / 1

P.O. NUMBER: TCP2020

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
55727	WORMCASTINGS	Nitrogen (Total)	2.0	%	TMECC.04.02-D



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