

REPORT NO.
C23062-70001

ACCOUNT NUMBER
02653

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 V2T5W5
CANADA
Canada

FOR: Worm Castings

Phone: 605-856-2722



CERTIFICATE OF ANALYSIS

PAGE: 1 / 3

PROJECT NO:
PO#: TCP 2023-1
LAB NUMBER: 627003
SAMPLE ID: WORM CASTINGS

SAMPLE MATRIX: COMPOST
DATE SAMPLED: 2023-03-01
DATE RECEIVED: 2023-03-03
DATE REPORTED: 2023-03-10
DATE PRINTED: 2023-03-13

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Arsenic	1.31	ug/g	1.00	EPA 3050B/6010B(mod) *
Cadmium	BDL	ug/g	1.00	EPA 3050B/6010B(mod) *
Cobalt	4.05	ug/g	1.00	TMECC 4.06; EPA 3050/6010(mod)*
Chromium	10.98	ug/g	1.00	TMECC.04.06; EPA 3050/6010(mod)*
Copper	79.15	ug/g	1.00	TMECC 4.06; EPA 3050/6010(mod)*
Mercury	BDL	ug/g	0.10	EPA 7471 *
Molybdenum	2.6	ug/g	1.0	TMECC.04.06; EPA 3050/6010(mod)*
Nickel	9.86	ug/g	1.00	TMECC 4.06; EPA 3050/6010(mod)*
Lead	1.44	ug/g	1.00	EPA 3050B/6010B(mod) *
Selenium	BDL	ug/g	1.00	EPA 3050/6010 (mod) *
Zinc	287.55	ug/g	1.00	TMECC 4.06; 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. All results are released based on acceptable QC data.



C23062-70001

Results Authorized By:

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

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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	33	MPN/g dry	3	TMECC 07.01
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 Organic Matter @ 550 deg C	67.48	%	0.10	LOI@550C
Moisture	77.64	%	0.10	TMECC.03.09-A
Conductivity (@25 deg C 1:5)	2.26	ms/cm	0.02	TMECC.04.10
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-mgCO ₂ -C/g OM/day	0.60	mgCO ₂ -C/ gOM/day	0.01	TMECC.05.08-B
Respiration - mgCO ₂ -C/g TS/day	0.40	mgCO ₂ -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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SAMPLE MATRIX: COMPOST
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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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Results Authorized By:



C23062-70001

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

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Report Number: C23062-10067
 Account Number: 02653

A & L Canada Laboratories Inc.

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



C23062-10067



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

For: WORM CASTINGS

Reported Date:
 Printed Date: Mar 13, 2023

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
WORM CASTING!	79146	6.4	6.9	53.9	1449	4034	2258	4097

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
380	112.5	58	108	8.3	7.0	994	1328	6.4	1.55	1792

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	
53.7	100.0	19.25	34.57	38.13	8.05	10.34	18.57	20.49	4.32	2:1	1:1	23:1
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. All results are released based on acceptable QC data.

* 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:

Beth Wood, Agronomist

A & L Canada Laboratories Inc.

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CANADA

RE: Worm Castings

DATE RECEIVED: 2023-03-03

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PAGE: 1 / 1

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
79146	WORM CASTINGS	Nitrogen (Total)	1.5	%	TMECC.04.02-D



C23062-10067

Results Authorized By:

A handwritten signature in black ink, appearing to read 'Z Wood', written over a horizontal line.