

REPORT NO.
C23335-70000

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 SYSTEMS LTD
BOX 169, STN MATSQUI
ABBOTSFORD, BC V4X 3R2
CANADA
Canada

FOR: SOIL CONDITIONER

Phone: 605-856-2722



CERTIFICATE OF ANALYSIS

PAGE: 1 / 3

PROJECT NO:
PO#: TCP 202311
LAB NUMBER: 3357001
SAMPLE ID: SOIL CONDITIONER

SAMPLE MATRIX: COMPOST
DATE SAMPLED: 2023-11-30
DATE RECEIVED: 2023-12-01
DATE REPORTED:
DATE PRINTED: 2023-12-14

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Arsenic	1.68	ug/g	1.00	EPA 3050B/6010B(mod) *
Cadmium	BDL	ug/g	1.00	EPA 3050B/6010B(mod) *
Cobalt	2.64	ug/g	1.00	TMECC 4.06; EPA 3050/6010(mod)*
Chromium	11.21	ug/g	1.00	TMECC.04.06; EPA 3050/6010(mod)*
Copper	300.25	ug/g	1.00	TMECC 4.06; EPA 3050/6010(mod)*
Mercury	BDL	ug/g	0.10	EPA 7471 *
Molybdenum	2.2	ug/g	1.0	TMECC.04.06; EPA 3050/6010(mod)*
Nickel	9.71	ug/g	1.00	TMECC 4.06; EPA 3050/6010(mod)*
Lead	4.12	ug/g	1.00	EPA 3050B/6010B(mod) *
Selenium	2.34	ug/g	1.00	EPA 3050/6010 (mod) *
Zinc	372.82	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.



C23335-70000

Results Authorized By:

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

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CERTIFICATE OF ANALYSIS

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PROJECT NO:
PO#: TCP 202311
LAB NUMBER: 3357002
SAMPLE ID: SOIL CONDITIONER

SAMPLE MATRIX: COMPOST
DATE SAMPLED: 2023-11-30
DATE RECEIVED: 2023-12-01
DATE REPORTED:
DATE PRINTED: 2023-12-14

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Total Nitrogen	2.30	%	0.10	AOAC 993:13*
E. coli	8	MPN/g dry	3	TMECC 07.01
Salmonella spp.	NEGATIVE	P-A/25.0g(ml)	1 CFU	MFLP-75 *
Total Phosphorus (as P2O5)	3.034	%	0.001	
Fecal Coliform	53	MPN/g dry	3	TMECC 07.01
Total Potassium (as K2O)	1.7826	%	0.0001	
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	70.32	%	0.10	LOI@550C
Moisture	56.43	%	0.10	TMECC.03.09-A
Conductivity (@25 deg C 1:5)	2.80	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)	97.00	%	0.10	ASTMD422
Sieve 1/4 Inch (% Passing)	84.80	%	0.10	ASTMD422
Compost Stability Index	8	---		TMECC.05.08-B
Respiration-mgCO2-C/g OM/day	1.80	mgCO2-C/ gOM/day	0.01	TMECC.05.08-B
Respiration - mgCO2-C/g TS/day	1.30	mgCO2-C/gTS/ day	0.01	TMECC.05.08-B

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

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SAMPLE ID: SOIL CONDITIONER

SAMPLE MATRIX: COMPOST
DATE SAMPLED: 2023-11-30
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PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
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Comment:

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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Results Authorized By:

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

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Report Number: C23335-10308
 Account Number: 02653

A & L Canada Laboratories Inc.

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



C23335-10308



To: TRANSFORM COMPOST SYSTEMS LTD
 BOX 169, STN MATSQUI
 ABBOTSFORD, BC V4X 3R2

For: SOIL CONDITIONER

P.O. Number: TCP 202311

Reported Date:
 Printed Date: Dec 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
SOIL CONDITION	18345	7.2	6.7	55.2	1976	2822	1545	3422

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
446	87.3	97	109	7.7	3.7	742	155	4.4	2.46	4200

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	
40.3	100.0	17.97	31.55	42.48	8.01	7.24	12.71	17.11	3.23	2:1	1:1	15:1
Optimum Range:		3 - 5	8 - 20	60 - 80		0.5 - 1.3				7:1	5:1	

CQA

* Results reported on a dry weight basis.

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* 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: SOIL CONDITIONER

DATE RECEIVED: 2023-12-01

DATE REPORTED: 2023-12-13

PAGE: 1 / 1

P.O. NUMBER: TCP 202311

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
18345	SOIL CONDITIONER	Nitrogen (Total)	2.5	%	TMECC.04.02-D



C23335-10308

Results Authorized By:

A handwritten signature in black ink, appearing to read 'Z Wood'.