

REPORT NO.
C22178-70003

ACCOUNT NUMBER
02848

A & L Canada Laboratories Inc.

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



TO:ANNELIDA CASTING INNOVATIONS
904 9 AVE
NISKU, AB T9E 1C8

FOR:SAMPLE #1 PREMIUM WORM CASTINGS

ATTN:Michael Launer
Phone:780-777-9676



CERTIFICATE OF ANALYSIS

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PROJECT NO:
PO#:
LAB NUMBER:1787004
SAMPLE ID:SAMPLE #1 PREMIUM WORM CASTINGS

SAMPLE MATRIX:COMPOST
DATE SAMPLED:2022-06-21
DATE RECEIVED:2022-06-27
DATE REPORTED:2022-07-06
DATE PRINTED:2022-07-11

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Arsenic	1.29	ug/g	1.00	EPA 3050B/6010B(mod) *
Cadmium	BDL	ug/g	1.00	EPA 3050B/6010B(mod) *
Cobalt	2.92	ug/g	1.00	TMECC 4.06;EPA 3050/6010(mod)*
Chromium	5.63	ug/g	1.00	TMECC.04.06;EPA 3050/6010(mod)*
Copper	16.90	ug/g	1.00	TMECC 4.06;EPA 3050/6010(mod)*
Mercury	BDL	ug/g	0.10	EPA 7471 *
Molybdenum	BDL	ug/g	1.0	TMECC.04.06;EPA 3050/6010(mod)*
Nickel	7.48	ug/g	1.00	TMECC 4.06;EPA 3050/6010(mod)*
Lead	5.37	ug/g	1.00	EPA 3050B/6010B(mod) *
Selenium	BDL	ug/g	1.00	EPA 3050/6010 (mod) *
Zinc	108.75	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.



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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
E. coli	17	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 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	65.24	%	0.10	LOI@550C
Moisture	56.58	%	0.10	TMECC.03.09-A
Conductivity (@25 deg C 1:5)	0.71	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	BDL	mgCO ₂ -C/ gOM/day	0.01	TMECC.05.08-B
Respiration - mgCO ₂ -C/g TS/day	BDL	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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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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