

Report Number  
F18110-6012  
Account Number  
84504



a&lgreatlakes  
LABORATORIES  
Scientists who don't mind getting dirty.™

3505 Conestoga Dr.  
Fort Wayne, IN 46808  
260.483.4759  
algreatlakes.com

To: ARLINGTON SOLID WASTE BUREAU  
4300 29TH STREET S  
ARLINGTON, VA 22206-2211

For: LEE CARRIG

Attn: ERIK GRABOWSKY

Sample ID: WOOD MULCH  
Lab Number: 98650

Date Received: 4/20/2018

Date Reported: 5/4/2018

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	40.35		TMECC 03.09-A
Solids	%	59.65		TMECC 03.09-A
Total Nitrogen (N)	%	0.33	0.56	TMECC 04.02-D
Phosphorus (P)	%	0.04	0.06	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.08	0.14	TMECC 04.03-A
Potassium (K)	%	0.21	0.35	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.25	0.42	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.18	TMECC 04.05-MG
Calcium (Ca)	%	0.68	1.14	TMECC 04.05-CA
Arsenic	mg/kg	2.09	3.50	US EPA SW846-6020
Cadmium	mg/kg	0.385	0.645	US EPA SW846-6020
Chromium	mg/kg	11.6	19.5	US EPA SW846-6020
Copper	mg/kg	29.7	49.8	US EPA SW846-6010C
Mercury	mg/kg	< 0.350	< 0.587	US EPA SW846-6020
Molybdenum	mg/kg	0.74	1.24	US EPA SW846-6020

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

-COMPOST

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date:

5/04/2018

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Nickel	mg/kg	4.98	8.35	US EPA SW846-6020
Lead	mg/kg	27.6	46.2	US EPA SW846-6020
Selenium	mg/kg	< 0.70	< 1.17	US EPA SW846-6020
Zinc	mg/kg	83	139	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	3.9		TMECC 04.11-A
Soluble Salts	dS/m	1.54		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	4.43	7.42	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	55.22	92.58	TMECC 05.07-A
Total Organic Carbon (C)	%	27.61	46.29	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	82.7:1	82.7:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A

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Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	4.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	7.4		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		2	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		1	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Retained on U.S. 2-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 1-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 5/8-inch Sieve	%		5.25	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		12.37	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		17.80	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		17.28	TMECC 02.02-B