

Report Number
F18110-6013
Account Number
84504



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: LEAF MULCH
Lab Number: 98652

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	%	43.82		TMECC 03.09-A
Solids	%	56.18		TMECC 03.09-A
Total Nitrogen (N)	%	0.57	1.02	TMECC 04.02-D
Phosphorus (P)	%	0.06	0.11	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.14	0.25	TMECC 04.03-A
Potassium (K)	%	0.28	0.49	TMECC 04.04-A
Potash (K ₂ O)	%	0.33	0.59	TMECC 04.04-A
Magnesium (Mg)	%	0.15	0.26	TMECC 04.05-MG
Calcium (Ca)	%	0.99	1.76	TMECC 04.05-CA
Arsenic	mg/kg	0.301	0.535	US EPA SW846-6020
Cadmium	mg/kg	< 0.279	< 0.496	US EPA SW846-6020
Chromium	mg/kg	4.76	8.48	US EPA SW846-6020
Copper	mg/kg	13.2	23.5	US EPA SW846-6010C
Mercury	mg/kg	< 0.323	< 0.575	US EPA SW846-6020
Molybdenum	mg/kg	0.437	0.777	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	2.43	4.33	US EPA SW846-6020
Lead	mg/kg	10.0	17.8	US EPA SW846-6020
Selenium	mg/kg	< 0.65	< 1.15	US EPA SW846-6020
Zinc	mg/kg	45.7	81.3	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	4.6		TMECC 04.11-A
Soluble Salts	dS/m	1.88		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	%	7.28	12.96	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	48.90	87.04	TMECC 05.07-A
Total Organic Carbon (C)	%	24.45	43.52	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	42.7:1	42.7:1	TMECC 05.02-A
Foreign Material	%	0.41	0.73	TMECC 03.08-A
Germination - Emergence	%	87		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
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	8.5		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		3	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -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	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		1.73	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		2.47	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.71	TMECC 02.02-B