

Report Number
F17236-6005
Account Number
18215



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LABORATORIES
Scientists who don't mind getting dirty.™

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

To: RECYCLING & WASTE REDUCTION
155 INDIANA AVE RM 314
VALPARAISO, IN 46383-5502

For: THE PINES

Attn: STEVE DOLAK

Sample ID: THE PINES
Lab Number: 94012

Date Received: 8/24/2017

Date Reported: 9/11/2017

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	51.65		TMECC 03.09-A
Solids	%	48.35		TMECC 03.09-A
Total Nitrogen (N)	%	0.36	0.74	TMECC 04.02-D
Phosphorus (P)	%	0.04	0.09	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.10	0.21	TMECC 04.03-A
Potassium (K)	%	0.10	0.20	TMECC 04.04-A
Potash (K ₂ O)	%	0.12	0.24	TMECC 04.04-A
Magnesium (Mg)	%	0.47	0.97	TMECC 04.05-MG
Calcium (Ca)	%	1.36	2.81	TMECC 04.05-CA
Arsenic	mg/kg	6.0	12.3	US EPA SW846-6020 04.06-
Cadmium	mg/kg	0.329	0.680	US EPA SW846-6020 04.06-
Chromium	mg/kg	10.2	21.1	US EPA SW846-6020 04.06-
Copper	mg/kg	10.8	22.3	US EPA SW846-6020 04.06-
Mercury	mg/kg	<0.281	< 0.581	US EPA SW846-6020 04.06-
Molybdenum	mg/kg	1.31	2.70	US EPA SW846-6020 04.06-

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

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date:

9/11/2017

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Nickel	mg/kg	3.33	6.89	US EPA SW846-6020 04.06-Ni
Lead	mg/kg	10.7	22.2	US EPA SW846-6020 04.06-
Selenium	mg/kg	<0.55	< 1.14	US EPA SW846-6020 04.06-
Zinc	mg/kg	65	134	US EPA SW846-6020 04.06-
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.7		TMECC 04.11-A
Soluble Salts	dS/m	0.87		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	%	34.89	72.16	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	13.46	27.84	TMECC 05.07-A
Total Organic Carbon (C)	%	6.73	13.92	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	18.8:1	18.8:1	TMECC 05.02-A
Foreign Material	%		0.06	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Germination - Vigor	%	95		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	8.9		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.1		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1	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	%		1.45	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		1.97	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.78	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		9.77	TMECC 02.02-B