

Report Number
F20079-6509
Account Number
63512



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

To: ANGELINA-NECHES RIVER AUTHOR.
2901 N JOHN REDDITT DR
LUFKIN, TX 75904-1628

For: WINDROW T-102 F

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: WINDROW T-102 F
Lab Number: 24008

Date Sampled: 3/18/2020
Date Received: 3/19/2020
Date Reported: 4/1/2020

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	59.96		TMECC 03.09-A
Solids	%	40.04		TMECC 03.09-A
Total Nitrogen (N)	%	0.60	1.50	TMECC 04.02-D
Phosphorus (P)	%	0.32	0.80	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.74	1.83	TMECC 04.03-A
Potassium (K)	%	0.24	0.60	TMECC 04.04-A
Potash (K ₂ O)	%	0.29	0.72	TMECC 04.04-A
Magnesium (Mg)	%	0.17	0.42	TMECC 04.05-MG
Calcium (Ca)	%	0.87	2.18	TMECC 04.05-CA
Arsenic	mg/kg	2.65	6.63	US EPA SW846-6020
Cadmium	mg/kg	0.223	0.558	US EPA SW846-6020
Chromium	mg/kg	8.6	21.4	US EPA SW846-6020
Copper	mg/kg	65	163	US EPA SW846-6010C
Mercury	mg/kg	< 0.222	< 0.555	US EPA SW846-6020
Molybdenum	mg/kg	1.15	2.87	US EPA SW846-6020

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

-COMPOST

Report Approved By:

Approval Date: 4/01/2020

Don Burgess - Agronomist / Technical Services - CPAG/CPSS/CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	4.3	10.8	US EPA SW846-6020
Lead	mg/kg	5.4	13.4	US EPA SW846-6020
Selenium	mg/kg	0.87	2.18	US EPA SW846-6020
Zinc	mg/kg	129	321	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.7		TMECC 04.11-A
Soluble Salts	dS/m	2.62		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
Organic Matter (LOI @ 550 C)	%	30.25	75.54	TMECC 05.07-A
Total Organic Carbon (C)	%	15.12	37.77	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	25.2:1	25.2:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Ave Ht of Seedlings in Control	centimeters	9.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	14.1		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1.0	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		0.5	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	%		0.00	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		3.95	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		14.36	TMECC 02.02-B