

Report Number  
F20231-6514  
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: STOCKPILE 284

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 284  
Lab Number: 27285

Date Sampled: 8/17/2020  
Date Received: 8/18/2020  
Date Reported: 9/3/2020

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	58.79		TMECC 03.09-A
Solids	%	41.21		TMECC 03.09-A
Total Nitrogen (N)	%	0.89	2.15	TMECC 04.02-D
Phosphorus (P)	%	0.49	1.18	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	1.12	2.70	TMECC 04.03-A
Potassium (K)	%	0.18	0.44	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.22	0.53	TMECC 04.04-A
Magnesium (Mg)	%	0.09	0.23	TMECC 04.05-MG
Calcium (Ca)	%	0.73	1.78	TMECC 04.05-CA
Arsenic	mg/kg	5.3	12.8	US EPA SW846-6020
Cadmium	mg/kg	0.342	0.830	US EPA SW846-6020
Chromium	mg/kg	18.9	45.9	US EPA SW846-6020
Copper	mg/kg	59	142	US EPA SW846-6010C
Mercury	mg/kg	< 0.221	< 0.537	US EPA SW846-6020
Molybdenum	mg/kg	1.58	3.83	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 - Director of Green Industries

Approval Date: 9/03/2020

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	5.0	12.1	US EPA SW846-6020
Lead	mg/kg	6.2	15.0	US EPA SW846-6020
Selenium	mg/kg	1.23	2.99	US EPA SW846-6020
Zinc	mg/kg	139	337	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.4		TMECC 04.11-A
Soluble Salts	dS/m	1.82		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)	%	24.51	59.48	TMECC 05.07-A
Total Organic Carbon (C)	%	12.26	29.74	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	13.8:1	13.8:1	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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Ave Ht of Seedlings in Control	centimeters	9.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.0		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		0.5	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.3	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	%		3.25	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.28	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		15.34	TMECC 02.02-B