

Report Number  
F21307-6516  
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 297

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 297  
Lab Number: 39379

Date Sampled: 11/2/2021

Date Received: 11/3/2021

Date Reported: 11/23/2021 Page: 1 of 3

## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	54.33		TMECC 03.09-A
Solids	%	45.67		TMECC 03.09-A
Total Nitrogen (N)	%	0.74	1.63	TMECC 04.02-D
Phosphorus (P)	%	0.26	0.57	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.60	1.31	TMECC 04.03-A
Potassium (K)	%	0.16	0.35	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.19	0.42	TMECC 04.04-A
Magnesium (Mg)	%	0.06	0.13	TMECC 04.05-MG
Calcium (Ca)	%	0.38	0.84	TMECC 04.05-CA
Arsenic	mg/kg	1.49	3.27	US EPA SW846-6020
Cadmium	mg/kg	< 0.224	< 0.491	US EPA SW846-6020
Chromium	mg/kg	6.0	13.2	US EPA SW846-6020
Copper	mg/kg	59	129	US EPA SW846-6010C
Mercury	mg/kg	< 0.265	< 0.580	US EPA SW846-6020
Molybdenum	mg/kg	3.88	8.50	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: 11/23/2021

David Henry - Agronomist / Technical Services - CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	3.35	7.34	US EPA SW846-6020
Lead	mg/kg	6.1	13.3	US EPA SW846-6020
Selenium	mg/kg	< 0.52	< 1.14	US EPA SW846-6020
Zinc	mg/kg	166	363	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.3		TMECC 04.11-A
Soluble Salts	dS/m	1.65		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	%	14.09	30.86	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	31.58	69.14	TMECC 05.07-A
Total Organic Carbon (C)	%	15.79	34.57	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	21.2:1	21.2:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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## COMPOST ANALYSIS

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	11.6		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	%		0.00	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.19	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.27	TMECC 02.02-B