

Report Number  
F21140-6537  
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 289

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Date Sampled: 5/19/2021

Sample ID: STOCKPILE 289

Date Received: 5/20/2021

Lab Number: 35532

Date Reported: 6/2/2021

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	57.77		TMECC 03.09-A
Solids	%	42.23		TMECC 03.09-A
Total Nitrogen (N)	%	1.00	2.37	TMECC 04.02-D
Phosphorus (P)	%	0.47	1.12	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	1.09	2.56	TMECC 04.03-A
Potassium (K)	%	0.16	0.37	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.19	0.44	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.29	TMECC 04.05-MG
Calcium (Ca)	%	0.62	1.46	TMECC 04.05-CA
Arsenic	mg/kg	3.51	8.31	US EPA SW846-6020
Cadmium	mg/kg	0.238	0.564	US EPA SW846-6020
Chromium	mg/kg	11.0	26.0	US EPA SW846-6020
Copper	mg/kg	77	182	US EPA SW846-6010C
Mercury	mg/kg	< 0.245	< 0.579	US EPA SW846-6020
Molybdenum	mg/kg	1.89	4.47	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:

6/02/2021

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	4.5	10.7	US EPA SW846-6020
Lead	mg/kg	6.6	15.7	US EPA SW846-6020
Selenium	mg/kg	1.11	2.63	US EPA SW846-6020
Zinc	mg/kg	133	315	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	4.5		TMECC 04.11-A
Soluble Salts	dS/m	4.23		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)	%	23.11	54.72	TMECC 05.07-A
Total Organic Carbon (C)	%	11.55	27.36	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	11.5:1	11.5:1	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	10.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	14.9		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		1.1	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.7	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	%		5.03	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		16.10	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		23.53	TMECC 02.02-B