

Report Number  
F20171-6513  
Account Number  
63512



a&lgreatlakes  
LABORATORIES  
Scientists who don't mind getting dirty.™

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

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 283  
Lab Number: 26075

Date Sampled: 6/18/2020  
Date Received: 6/19/2020  
Date Reported: 7/1/2020

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	50.66		TMECC 03.09-A
Solids	%	49.34		TMECC 03.09-A
Total Nitrogen (N)	%	0.90	1.83	TMECC 04.02-D
Phosphorus (P)	%	0.43	0.87	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.99	1.99	TMECC 04.03-A
Potassium (K)	%	0.25	0.51	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.30	0.61	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.22	TMECC 04.05-MG
Calcium (Ca)	%	0.79	1.60	TMECC 04.05-CA
Arsenic	mg/kg	5.7	11.5	US EPA SW846-6020
Cadmium	mg/kg	0.365	0.740	US EPA SW846-6020
Chromium	mg/kg	27.5	55.8	US EPA SW846-6020
Copper	mg/kg	189	384	US EPA SW846-6010C
Mercury	mg/kg	< 0.266	< 0.540	US EPA SW846-6020
Molybdenum	mg/kg	2.91	5.90	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 - Vice President / COO

Approval Date:

7/01/2020

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Nickel	mg/kg	8.7	17.7	US EPA SW846-6020
Lead	mg/kg	8.3	16.9	US EPA SW846-6020
Selenium	mg/kg	0.97	1.97	US EPA SW846-6020
Zinc	mg/kg	142	288	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.5		TMECC 04.11-A
Soluble Salts	dS/m	1.42		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)	%	26.11	52.92	TMECC 05.07-A
Total Organic Carbon (C)	%	13.06	26.46	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.5:1	14.5:1	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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Ave Ht of Seedlings in Control	centimeters	9.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	10.9		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		0.6	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -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	%		3.71	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		0.85	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.44	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.14	TMECC 02.02-B