

Report Number
F21260-6513
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 293

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Date Sampled: 9/16/2021

Sample ID: STOCKPILE 293

Date Received: 9/17/2021

Lab Number: 38284

Date Reported: 10/7/2021

Page: 1 of 3

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	43.20		TMECC 03.09-A
Solids	%	56.80		TMECC 03.09-A
Total Nitrogen (N)	%	0.81	1.43	TMECC 04.02-D
Phosphorus (P)	%	0.37	0.65	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.85	1.49	TMECC 04.03-A
Potassium (K)	%	0.26	0.45	TMECC 04.04-A
Potash (K ₂ O)	%	0.31	0.54	TMECC 04.04-A
Magnesium (Mg)	%	0.10	0.18	TMECC 04.05-MG
Calcium (Ca)	%	0.90	1.58	TMECC 04.05-CA
Arsenic	mg/kg	9.0	15.9	US EPA SW846-6020
Cadmium	mg/kg	0.370	0.652	US EPA SW846-6020
Chromium	mg/kg	15.4	27.1	US EPA SW846-6020
Copper	mg/kg	74	130	US EPA SW846-6010C
Mercury	mg/kg	< 0.332	< 0.584	US EPA SW846-6020
Molybdenum	mg/kg	1.87	3.30	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: 10/07/2021

David Henry - Agronomist / Technical Services - CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	6.2	11.0	US EPA SW846-6020
Lead	mg/kg	11.6	20.5	US EPA SW846-6020
Selenium	mg/kg	1.41	2.48	US EPA SW846-6020
Zinc	mg/kg	258	454	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.6		TMECC 04.11-A
Soluble Salts	dS/m	1.67		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	%	37.31	65.68	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	19.49	34.32	TMECC 05.07-A
Total Organic Carbon (C)	%	9.75	17.16	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.0:1	12.0:1	TMECC 05.02-A
Foreign Material	%	0.17	0.30	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	8.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	11.9		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.8	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1.0	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	%		2.77	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		7.24	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.19	TMECC 02.02-B