

Report Number
F22027-6506
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 200

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 299
Lab Number: 42161

Date Sampled: 1/26/2022
Date Received: 1/27/2022
Date Reported: 2/14/2022

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	55.18		TMECC 03.09-A
Solids	%	44.82		TMECC 03.09-A
Total Nitrogen (N)	%	1.32	2.95	TMECC 04.02-D
Phosphorus (P)	%	0.32	0.72	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.74	1.65	TMECC 04.03-A
Potassium (K)	%	0.15	0.33	TMECC 04.04-A
Potash (K ₂ O)	%	0.18	0.40	TMECC 04.04-A
Magnesium (Mg)	%	0.09	0.19	TMECC 04.05-MG
Calcium (Ca)	%	0.60	1.33	TMECC 04.05-CA
Arsenic	mg/kg	3.80	8.47	US EPA SW846-6020
Cadmium	mg/kg	0.264	0.589	US EPA SW846-6020
Chromium	mg/kg	6.9	15.3	US EPA SW846-6020
Copper	mg/kg	56	125	US EPA SW846-6010C
Mercury	mg/kg	< 0.262	< 0.585	US EPA SW846-6020
Molybdenum	mg/kg	3.71	8.27	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: 2/14/2022

David Henry - Agronomist / Technical Services - CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	4.28	9.54	US EPA SW846-6020
Lead	mg/kg	7.0	15.6	US EPA SW846-6020
Selenium	mg/kg	1.00	2.22	US EPA SW846-6020
Zinc	mg/kg	118	263	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.4		TMECC 04.11-A
Soluble Salts	dS/m	3.00		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		620	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	15.53	34.64	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	29.29	65.36	TMECC 05.07-A
Total Organic Carbon (C)	%	14.65	32.68	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	11.1:1	11.1:1	TMECC 05.02-A
Foreign Material	%	0.004	0.01	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	8.6		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.4		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.4	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -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	%		1.28	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		5.27	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.86	TMECC 02.02-B