

Report Number
F23145-6510
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 314

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 314
Lab Number: 55790

Date Sampled: 5/24/2023
Date Received: 5/25/2023
Date Reported: 6/12/2023

Page: 1 of 4

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	53.54		TMECC 03.09-A
Solids	%	46.46		TMECC 03.09-A
Total Nitrogen (N)	%	1.18	2.55	TMECC 04.02-D
Phosphorus (P)	%	0.36	0.78	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.83	1.79	TMECC 04.03-A
Potassium (K)	%	0.20	0.44	TMECC 04.04-A
Potash (K ₂ O)	%	0.25	0.53	TMECC 04.04-A
Magnesium (Mg)	%	0.09	0.19	TMECC 04.05-MG
Calcium (Ca)	%	0.72	1.55	TMECC 04.05-CA
Arsenic	mg/kg	7.7	16.6	US EPA SW846-6020
Cadmium	mg/kg	0.277	0.596	US EPA SW846-6020
Chromium	mg/kg	22.3	48.0	US EPA SW846-6020
Copper	mg/kg	84	180	US EPA SW846-6010C
Mercury	mg/kg	0.078	0.168	US EPA SW846-6020
Molybdenum	mg/kg	1.94	4.18	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: 6/12/2023

David Henry - Agronomist / Technical Services - CCA

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Nickel	mg/kg	6.2	13.4	US EPA SW846-6020
Lead	mg/kg	6.6	14.2	US EPA SW846-6020
Selenium	mg/kg	1.25	2.68	US EPA SW846-6020
Zinc	mg/kg	150	323	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.7		TMECC 04.11-A
Soluble Salts	dS/m	2.95		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		110	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	16.17	34.80	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	30.29	65.20	TMECC 05.07-A
Total Organic Carbon (C)	%	15.15	32.60	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.8:1	12.8:1	TMECC 05.02-A
Inerts - Total	%		0.00	TMECC 02.02-C
Foreign Material	%		0.00	TMECC 03.08-A

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Germination - Emergence	%	80		TMECC 05.05-A
Germination - Vigor	%	96		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	8.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	10.5		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		0.2	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		96.15	TMECC 02.02-B
Retained on U.S. 3-inch Sieve	%		0.00	TMECC 02.02-B
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. 3/4-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. 1/2-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		3.85	TMECC 02.02-B

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LABORATORIES
Scientists who don't mind getting dirty.™

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Retained on U.S. 1/4-inch Sieve	%		9.73	TMECC 02.02-B