

Report Number
F23020-6504
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 308

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 308
Lab Number: 52133

Date Sampled: 1/19/2023
Date Received: 1/20/2023
Date Reported: 2/10/2023

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	34.06		TMECC 03.09-A
Solids	%	65.94		TMECC 03.09-A
Total Nitrogen (N)	%	1.79	2.71	TMECC 04.02-D
Phosphorus (P)	%	0.69	1.05	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	1.59	2.40	TMECC 04.03-A
Potassium (K)	%	0.27	0.41	TMECC 04.04-A
Potash (K ₂ O)	%	0.32	0.49	TMECC 04.04-A
Magnesium (Mg)	%	0.17	0.26	TMECC 04.05-MG
Calcium (Ca)	%	1.33	2.01	TMECC 04.05-CA
Arsenic	mg/kg	8.4	12.7	US EPA SW846-6020
Cadmium	mg/kg	0.487	0.739	US EPA SW846-6020
Chromium	mg/kg	19.6	29.7	US EPA SW846-6020
Copper	mg/kg	157	238	US EPA SW846-6010C
Mercury	mg/kg	0.158	0.240	US EPA SW846-6020
Molybdenum	mg/kg	4.11	6.23	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: 2/10/2023

David Henry - Agronomist / Technical Services - CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	8.8	13.3	US EPA SW846-6020
Lead	mg/kg	13.3	20.1	US EPA SW846-6020
Selenium	mg/kg	2.6	3.9	US EPA SW846-6020
Zinc	mg/kg	297	451	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.2		TMECC 04.11-A
Soluble Salts	dS/m	4.40		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		10	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	31.88	48.34	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	34.06	51.66	TMECC 05.07-A
Total Organic Carbon (C)	%	17.03	25.83	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	9.5:1	9.5:1	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	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.9		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.7		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.2	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	%		98.12	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	%		1.88	TMECC 02.02-B

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Retained on U.S. 1/4-inch Sieve	%		6.40	TMECC 02.02-B