

Report Number
F23089-6505
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 311

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 311
Lab Number: 53655

Date Sampled: 3/29/2023
Date Received: 3/30/2023
Date Reported: 4/12/2023

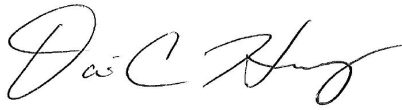
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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	51.82		TMECC 03.09-A
Solids	%	48.18		TMECC 03.09-A
Total Nitrogen (N)	%	1.35	2.81	TMECC 04.02-D
Phosphorus (P)	%	0.55	1.14	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	1.26	2.61	TMECC 04.03-A
Potassium (K)	%	0.23	0.48	TMECC 04.04-A
Potash (K ₂ O)	%	0.28	0.58	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.25	TMECC 04.05-MG
Calcium (Ca)	%	0.79	1.63	TMECC 04.05-CA
Arsenic	mg/kg	10.6	21.9	US EPA SW846-6020
Cadmium	mg/kg	0.300	0.623	US EPA SW846-6020
Chromium	mg/kg	33.0	68.4	US EPA SW846-6020
Copper	mg/kg	87	181	US EPA SW846-6010C
Mercury	mg/kg	0.085	0.177	US EPA SW846-6020
Molybdenum	mg/kg	2.42	5.03	US EPA SW846-6020

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

-COMPOST

Report Approved By: 
David Henry - Agronomist / Technical Services - CCA
Approval Date: 4/12/2023

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LABORATORIES
Scientists who don't mind getting dirty.™

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Nickel	mg/kg	7.5	15.5	US EPA SW846-6020
Lead	mg/kg	8.2	17.1	US EPA SW846-6020
Selenium	mg/kg	1.86	3.87	US EPA SW846-6020
Zinc	mg/kg	156	323	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.3		TMECC 04.11-A
Soluble Salts	dS/m	3.58		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	%	16.93	35.14	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	31.25	64.86	TMECC 05.07-A
Total Organic Carbon (C)	%	15.62	32.43	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	11.5:1	11.5:1	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	%	93		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.6		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.8		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
Passing U.S. 3/8-inch Sieve	%		100.00	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	%		0.00	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	%		7.35	TMECC 02.02-B