

Report Number
F23193-6511
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 315

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Sample ID: 315
Lab Number: 56669

Date Sampled: 7/11/2023
Date Received: 7/12/2023
Date Reported: 7/26/2023

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	47.24		TMECC 03.09-A
Solids	%	52.76		TMECC 03.09-A
Total Nitrogen (N)	%	1.32	2.50	TMECC 04.02-D
Phosphorus (P)	%	0.39	0.74	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.90	1.69	TMECC 04.03-A
Potassium (K)	%	0.24	0.46	TMECC 04.04-A
Potash (K ₂ O)	%	0.29	0.55	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.21	TMECC 04.05-MG
Calcium (Ca)	%	0.78	1.47	TMECC 04.05-CA
Arsenic	mg/kg	6.6	12.5	US EPA SW846-6020
Cadmium	mg/kg	0.262	0.496	US EPA SW846-6020
Chromium	mg/kg	15.3	29.0	US EPA SW846-6020
Copper	mg/kg	64	122	US EPA SW846-6010C
Mercury	mg/kg	0.065	0.124	US EPA SW846-6020
Molybdenum	mg/kg	2.53	4.79	US EPA SW846-6020

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

-COMPOST

Report Approved By: *Jamie J. Bultemeier* Approval Date: 7/26/2023
 Jamie Bultemeier - Agronomist / Technical Services - CPAg/CCA

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Nickel	mg/kg	5.8	10.9	US EPA SW846-6020
Lead	mg/kg	6.9	13.1	US EPA SW846-6020
Selenium	mg/kg	1.10	2.09	US EPA SW846-6020
Zinc	mg/kg	144	272	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.7		TMECC 04.11-A
Soluble Salts	dS/m	3.64		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	%	22.69	43.00	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	30.07	57.00	TMECC 05.07-A
Total Organic Carbon (C)	%	15.04	28.50	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	11.4:1	11.4:1	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	%	82		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	10.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	10.1		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.1	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		0.1	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		97.48	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	%		2.52	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	%		10.68	TMECC 02.02-B