

Report Number  
F22132-6509  
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 301

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Date Sampled: 5/11/2022

Date Received: 5/12/2022

Date Reported: 5/27/2022

Page: 1 of 3

Sample ID: STOCKPILE 301

Lab Number: 44569

## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	48.80		TMECC 03.09-A
Solids	%	51.20		TMECC 03.09-A
Total Nitrogen (N)	%	1.30	2.54	TMECC 04.02-D
Phosphorus (P)	%	0.44	0.85	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	1.00	1.95	TMECC 04.03-A
Potassium (K)	%	0.19	0.38	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.23	0.46	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.24	TMECC 04.05-MG
Calcium (Ca)	%	0.87	1.69	TMECC 04.05-CA
Arsenic	mg/kg	2.94	5.74	US EPA SW846-6020
Cadmium	mg/kg	0.317	0.620	US EPA SW846-6020
Chromium	mg/kg	6.8	13.3	US EPA SW846-6020
Copper	mg/kg	72	141	US EPA SW846-6010C
Mercury	mg/kg	0.031	0.060	US EPA SW846-6020
Molybdenum	mg/kg	2.72	5.32	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: 5/27/2022

David Henry - Agronomist / Technical Services - CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	5.4	10.6	US EPA SW846-6020
Lead	mg/kg	3.29	6.42	US EPA SW846-6020
Selenium	mg/kg	1.17	2.28	US EPA SW846-6020
Zinc	mg/kg	162	316	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	1.78		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		180	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	19.70	38.48	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	31.50	61.52	TMECC 05.07-A
Total Organic Carbon (C)	%	15.75	30.76	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.1:1	12.1:1	TMECC 05.02-A
Foreign Material	%		0.00	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	9.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	15.1		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		0.6	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.4	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		93.32	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. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		6.68	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.30	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		11.94	TMECC 02.02-B