

Report Number
F20282-6520
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 286

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 286
Lab Number: 28755

Date Sampled: 10/7/2020

Date Received: 10/8/2020

Date Reported: 10/27/2020 Page: 1 of 3

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	33.92		TMECC 03.09-A
Solids	%	66.08		TMECC 03.09-A
Total Nitrogen (N)	%	1.62	2.45	TMECC 04.02-D
Phosphorus (P)	%	0.89	1.35	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	2.05	3.09	TMECC 04.03-A
Potassium (K)	%	0.21	0.32	TMECC 04.04-A
Potash (K ₂ O)	%	0.25	0.38	TMECC 04.04-A
Magnesium (Mg)	%	0.17	0.26	TMECC 04.05-MG
Calcium (Ca)	%	1.39	2.11	TMECC 04.05-CA
Arsenic	mg/kg	3.98	6.03	US EPA SW846-6020
Cadmium	mg/kg	0.69	1.05	US EPA SW846-6020
Chromium	mg/kg	20.0	30.3	US EPA SW846-6020
Copper	mg/kg	150	227	US EPA SW846-6010C
Mercury	mg/kg	< 0.352	< 0.533	US EPA SW846-6020
Molybdenum	mg/kg	3.40	5.15	US EPA SW846-6020

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

-COMPOST

Report Approved By:

Greg Neyman - Director of Green Industries

Approval Date:

10/27/2020

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	9.0	13.6	US EPA SW846-6020
Lead	mg/kg	11.0	16.7	US EPA SW846-6020
Selenium	mg/kg	3.10	4.69	US EPA SW846-6020
Zinc	mg/kg	347	525	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	3.86		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
Organic Matter (LOI @ 550 C)	%	29.78	45.06	TMECC 05.07-A
Total Organic Carbon (C)	%	14.89	22.53	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	9.2:1	9.2:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	91		TMECC 05.05-A

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Ave Ht of Seedlings in Control	centimeters	8.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	8.3		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.9	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		0.9	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
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	%		0.52	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		4.05	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.05	TMECC 02.02-B