

Report Number
F18081-6026
Account Number
63512



3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

To: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

Attn: DALE BAILEY

Sample ID: STOCKPILE 267
Lab Number: 98050

Date Sampled: 3/21/2018
Date Received: 3/22/2018
Date Reported: 4/5/2018

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	37.31		TMECC 03.09-A
Solids	%	62.69		TMECC 03.09-A
Total Nitrogen (N)	%	1.69	2.70	TMECC 04.02-D
Phosphorus (P)	%	0.55	0.87	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	1.25	1.99	TMECC 04.03-A
Potassium (K)	%	0.22	0.35	TMECC 04.04-A
Potash (K ₂ O)	%	0.26	0.42	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.18	TMECC 04.05-MG
Calcium (Ca)	%	0.67	1.07	TMECC 04.05-CA
Arsenic	mg/kg	4.47	7.13	US EPA SW846-6020
Cadmium	mg/kg	0.422	0.673	US EPA SW846-6020
Chromium	mg/kg	12.4	19.8	US EPA SW846-6020
Copper	mg/kg	208	331	US EPA SW846-6010C
Mercury	mg/kg	< 0.362	< 0.578	US EPA SW846-6020
Molybdenum	mg/kg	3.70	5.90	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 - Vice President / COO

Approval Date:

4/05/2018

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	7.4	11.8	US EPA SW846-6020
Lead	mg/kg	10.7	17.0	US EPA SW846-6020
Selenium	mg/kg	2.08	3.32	US EPA SW846-6020
Zinc	mg/kg	191	304	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.7		TMECC 04.11-A
Soluble Salts	dS/m	1.77		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)	%	30.56	48.74	TMECC 05.07-A
Total Organic Carbon (C)	%	15.28	24.37	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	9.0:1	9.0:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A
Germination - Vigor	%	73		TMECC 05.05-A

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Ave Ht of Seedlings in Control	centimeters	8.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	10.0		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1	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	%		0.00	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		6.88	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		10.07	TMECC 02.02-B