

Report Number
F17292-6031
Account Number
63512



a&lgreatlakes
LABORATORIES
Scientists who don't mind getting dirty.™

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

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

For: STOCKPILE 263

COPY: AL RATTIE

STA

Attn: DALE BAILEY

Date Sampled: 10/18/2017

Date Received: 10/19/2017

Date Reported: 11/1/2017

Page: 1 of 3

Sample ID: STOCKPILE 265

Lab Number: 95147

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	40.20		TMECC 03.09-A
Solids	%	59.80		TMECC 03.09-A
Total Nitrogen (N)	%	1.08	1.80	TMECC 04.02-D
Phosphorus (P)	%	0.60	1.01	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	1.39	2.31	TMECC 04.03-A
Potassium (K)	%	0.16	0.27	TMECC 04.04-A
Potash (K ₂ O)	%	0.19	0.32	TMECC 04.04-A
Magnesium (Mg)	%	0.10	0.17	TMECC 04.05-MG
Calcium (Ca)	%	0.97	1.62	TMECC 04.05-CA
Arsenic	mg/kg	3.95	6.60	US EPA SW846-6020 04.06-
Cadmium	mg/kg	0.453	0.757	US EPA SW846-6020 04.06-
Chromium	mg/kg	15.1	25.3	US EPA SW846-6020 04.06-
Copper	mg/kg	292	489	US EPA SW846-6020 04.06-
Mercury	mg/kg	<0.347	< 0.581	US EPA SW846-6020 04.06-
Molybdenum	mg/kg	2.14	3.58	US EPA SW846-6020 04.06-

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

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date:

11/01/2017

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Nickel	mg/kg	6.6	11.1	US EPA SW846-6020 04.06-Ni
Lead	mg/kg	9.3	15.5	US EPA SW846-6020 04.06-
Selenium	mg/kg	2.00	3.34	US EPA SW846-6020 04.06-
Zinc	mg/kg	240	401	US EPA SW846-6020 04.06-
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.9		TMECC 04.11-A
Soluble Salts	dS/m	2.41		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)	%	23.09	38.62	TMECC 05.07-A
Total Organic Carbon (C)	%	11.55	19.31	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	10.7:1	10.7:1	TMECC 05.02-A
Foreign Material	%		0.01	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A

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Ave Ht of Seedlings in Control	centimeters	5.4		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	8.0		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		2	TMECC 05.08-B
Compost Stability Index	-		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	%		1.60	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		4.84	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		10.33	TMECC 02.02-B