

Report Number  
F16180-6005  
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 254

COPY: AL RATTIE

STA

Attn: DALE BAILEY

Date Sampled: 6/27/2016

Date Received: 6/28/2016

Date Reported: 7/18/2016

Page: 1 of 3

Sample ID: STOCKPILE 254

Lab Number: 86051

## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	60.75		TMECC 03.09-A
Solids	%	39.25		TMECC 03.09-A
Total Nitrogen (N)	%	0.84	2.13	TMECC 04.02-D
Phosphorus (P)	%	0.34	0.87	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.79	1.99	TMECC 04.03-A
Potassium (K)	%	0.15	0.38	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.18	0.46	TMECC 04.04-A
Magnesium (Mg)	%	0.07	0.17	TMECC 04.05-MG
Calcium (Ca)	%	0.57	1.45	TMECC 04.05-CA
Arsenic	mg/kg	6.6	16.9	SW846-6020 04.06-As
Cadmium	mg/kg	0.330	0.840	SW846-6020 04.06-Cd
Chromium	mg/kg	12.0	30.6	SW846-6020 04.06-Cr
Copper	mg/kg	81	206	SW846-6020 04.06-Cu
Mercury	mg/kg	<0.226	< 0.575	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.61	4.10	SW846-6020 04.06-Mo

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:

7/18/2016

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	5.7	14.5	SW846-6020 04.06-Ni
Lead	mg/kg	6.9	17.6	SW846-6020 04.06-Pb
Selenium	mg/kg	1.37	3.50	SW846-6020 04.06-Se
Zinc	mg/kg	130	330	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.7		TMECC 04.11-A
Soluble Salts	dS/m	1.10		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)	%	22.25	56.70	TMECC 05.07-A
Total Organic Carbon (C)	%	11.13	28.35	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	13.3:1	13.3:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Ave Ht of Seedlings in Control	centimeters	6.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	9.1		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		1	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -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	%		3.08	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		12.22	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		18.77	TMECC 02.02-B