

REPORT NO.

F14344-6019

ACCOUNT NUMBER

63512

# A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274

www.algreatlakes.com • lab@algreatlakes.com

**QUALITY ANALYSES FOR INFORMED DECISIONS**



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

FOR: STOCKPILE 240

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 76263

SAMPLE ID: STOCKPILE 240

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 12/09/2014

DATE RECEIVED: 12/10/2014

DATE REPORTED: 01/12/2015

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	45.26		TMECC 03.09-A
Dry Matter	%	54.74		TMECC 03.09-A
Total Nitrogen (N)	%	1.02	1.87	TMECC 04.02-D
Phosphorus (P)	%	0.71	1.30	TMECC 04.03-A
Phosphate (P205)	%	1.64	2.98	TMECC 04.03-A
Potassium (K)	%	0.22	0.41	TMECC 04.04-A
Potash (K2O)	%	0.27	0.49	TMECC 04.04-A
Magnesium (Mg)	%	0.14	0.26	TMECC 04.05-MG
Calcium (Ca)	%	1.29	2.36	TMECC 04.05-B
Arsenic	mg/kg	4.77	8.72	SW846-6020 04.06-As
Cadmium	mg/kg	0.480	0.877	SW846-6020 04.06-Cd
Chromium	mg/kg	9.7	17.8	SW846-6020 04.06-Cr
Copper	mg/kg	90	165	SW846-6020 04.06-Cu

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

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date: 1/12/2015

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Mercury	mg/kg	<0.321	< 0.586	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.31	2.39	SW846-6020 04.06-Mo
Nickel	mg/kg	5.25	9.59	SW846-6020 04.06-Ni
Lead	mg/kg	10.0	18.3	SW846-6020 04.06-Pb
Selenium	mg/kg	1.23	2.24	SW846-6020 04.06-Se
Zinc	mg/kg	204	372	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.9		TMECC 04.11-A
Soluble Salts	dS/m	2.90		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A
Organic Matter by LOI @ 550C	%	22.86	41.76	TMECC 05.07-A
Total Organic Carbon (C)	%	11.43	20.88	TMECC 04.01-A

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Carbon:Nitrogen Ratio (C:N)	-	11.2:1	11.2:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	97		TMECC 05.05-A
Germination - Vigor	%	40		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.1		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.7		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	%		1.82	TMECC 02.02-B

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Retained on U.S. 1/4-inch Sieve	%		8.32	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		14.14	TMECC 02.02-B