

REPORT NO.  
F15350-6008  
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 AUTHORITY  
PO BOX 387  
LUFKIN, TX 75902-0387

FOR: STOCKPILE 250

COPY: AL RATTIE

STA

ATTN: DALE BAILEY

LAB NUMBER: 83243  
SAMPLE ID: STOCKPILE 250

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 12/15/2015

DATE RECEIVED: 12/16/2015

DATE REPORTED: 01/11/2016 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	30.28		TMECC 03.09-A
Dry Matter	%	69.72		TMECC 03.09-A
Total Nitrogen (N)	%	1.62	2.33	TMECC 04.02-D
Phosphorus (P)	%	0.86	1.24	TMECC 04.03-A
Phosphate (P205)	%	1.99	2.84	TMECC 04.03-A
Potassium (K)	%	0.28	0.40	TMECC 04.04-A
Potash (K2O)	%	0.33	0.48	TMECC 04.04-A
Magnesium (Mg)	%	0.17	0.24	TMECC 04.05-MG
Calcium (Ca)	%	1.50	2.15	TMECC 04.05-B
Arsenic	mg/kg	5.01	7.18	SW846-6020 04.06-As
Cadmium	mg/kg	0.647	0.928	SW846-6020 04.06-Cd
Chromium	mg/kg	13.0	18.7	SW846-6020 04.06-Cr
Copper	mg/kg	162	232	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: 1/11/2016

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.401	< 0.575	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.06	2.95	SW846-6020 04.06-Mo
Nickel	mg/kg	8.6	12.3	SW846-6020 04.06-Ni
Lead	mg/kg	12.4	17.8	SW846-6020 04.06-Pb
Selenium	mg/kg	2.12	3.04	SW846-6020 04.06-Se
Zinc	mg/kg	329	472	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.1		TMECC 04.11-A
Soluble Salts	dS/m	2.91		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
Organic Matter (LOI @ 550 C)	%	36.20	51.92	TMECC 05.07-A
Total Organic Carbon (C)	%	18.10	25.96	TMECC 04.01-A

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Carbon:Nitrogen Ratio (C:N)	-	11.1:1	11.1:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	67		TMECC 05.05-A
Germination - Vigor	%	0		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.9		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.1		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	%		1.10	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	%		4.26	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.92	TMECC 02.02-B