

REPORT NO.

F14295-6010

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 234

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 75228

SAMPLE ID: STOCKPILE 234

COMPOST ANALYSIS REPORT

DATE SAMPLED: 10/21/2014

DATE RECEIVED: 10/22/2014

DATE REPORTED: 11/05/2014

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	33.55		TMECC 03.09-A
Dry Matter	%	66.45		TMECC 03.09-A
Total Nitrogen (N)	%	1.27	1.91	TMECC 04.02-D
Phosphorus (P)	%	0.76	1.14	TMECC 04.03-A
Phosphate (P205)	%	1.74	2.61	TMECC 04.03-A
Potassium (K)	%	0.26	0.39	TMECC 04.04-A
Potash (K2O)	%	0.31	0.47	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.18	TMECC 04.05-MG
Calcium (Ca)	%	1.50	2.25	TMECC 04.05-B
Arsenic	mg/kg	6.8	10.2	SW846-6020 04.06-As
Cadmium	mg/kg	0.649	0.976	SW846-6020 04.06-Cd
Chromium	mg/kg	14.3	21.5	SW846-6020 04.06-Cr
Copper	mg/kg	117	176	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: 11/05/2014

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Mercury	mg/kg	<0.389	< 0.586	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.07	3.11	SW846-6020 04.06-Mo
Nickel	mg/kg	8.8	13.2	SW846-6020 04.06-Ni
Lead	mg/kg	10.9	16.4	SW846-6020 04.06-Pb
Selenium	mg/kg	1.66	2.50	SW846-6020 04.06-Se
Zinc	mg/kg	231	347	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.4		TMECC 04.11-A
Soluble Salts	dS/m	4.02		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	%	32.12	48.34	TMECC 05.07-A
Total Organic Carbon (C)	%	16.06	24.17	TMECC 04.01-A

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Carbon:Nitrogen Ratio (C:N)	-	12.7:1	12.7:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	94		TMECC 05.05-A
Germination - Vigor	%	78		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.1		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.1		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	%		1.61	TMECC 02.02-B

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Retained on U.S. 1/4-inch Sieve	%		4.09	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.66	TMECC 02.02-B