

REPORT NO.
F13338-6015
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 231

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 69536
SAMPLE ID: STOCKPILE 231

COMPOST ANALYSIS REPORT

DATE SAMPLED: 12/03/2013

DATE RECEIVED: 12/04/2013

DATE REPORTED: 12/18/2013 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	52.69		TMECC 03.09-A
Dry Matter	%	47.31		TMECC 03.09-A
Total Nitrogen (N)	%	1.04	2.20	TMECC 04.02-D
Phosphorus (P)	%	0.60	1.26	TMECC 04.03-A
Phosphate (P205)	%	1.37	2.90	TMECC 04.03-A
Potassium (K)	%	0.18	0.37	TMECC 04.04-A
Potash (K2O)	%	0.21	0.44	TMECC 04.04-A
Magnesium (Mg)	%	0.10	0.22	TMECC 04.05-MG
Calcium (Ca)	%	0.77	1.63	TMECC 04.05-B
Arsenic	mg/kg	5.3	11.2	SW846-6020 04.06-As
Cadmium	mg/kg	0.451	0.954	SW846-6020 04.06-Cd
Chromium	mg/kg	9.1	19.3	SW846-6020 04.06-Cr
Copper	mg/kg	13.2	27.9	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: 12/18/2013

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.278	< 0.588	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.46	5.20	SW846-6020 04.06-Mo
Nickel	mg/kg	6.9	14.5	SW846-6020 04.06-Ni
Lead	mg/kg	10.4	21.9	SW846-6020 04.06-Pb
Selenium	mg/kg	1.52	3.22	SW846-6020 04.06-Se
Zinc	mg/kg	209	442	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.0		TMECC 04.11-A
Soluble Salts	dS/m	2.24		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	%	25.34	53.56	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	12.67	26.78	Estimated

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Carbon:Nitrogen Ratio (C:N)	-	12.2:1	12.2:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	92		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.4		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	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		1.27	TMECC 02.02-B

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Retained on U.S. 1/4-inch	%		6.26	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		9.25	TMECC 02.02-B