

REPORT NO.
F12122-6010
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 AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 209

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 60296
SAMPLE ID: STOCKPILE 209

COMPOST ANALYSIS REPORT

DATE SAMPLED: 04/30/2012

DATE RECEIVED: 05/01/2012

DATE REPORTED: 05/18/2012 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	48.60		TMECC 03.09-A
Dry Matter	%	51.40		TMECC 03.09-A
Total Nitrogen (N)	%	0.85	1.65	TMECC 04.02-D
Phosphorus (P)	%	0.31	0.61	TMECC 04.03-A
Phosphate (P205)	%	0.72	1.40	TMECC 04.03-A
Potassium (K)	%	0.21	0.40	TMECC 04.04-A
Potash (K2O)	%	0.25	0.48	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.22	TMECC 04.05-MG
Calcium (Ca)	%	0.75	1.45	TMECC 04.05-CA
Arsenic	mg/kg	4.47	8.70	SW846-6020 04.06-As
Cadmium	mg/kg	0.152	0.295	SW846-6020 04.06-Cd
Chromium	mg/kg	8.8	17.1	SW846-6020 04.06-Cr
Copper	mg/kg	54	106	SW846-6020 04.06-Cu

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

Report Approved By:

Lois K. Parker - President

Approval Date: 5/21/2012

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.134	< 0.260	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.93	1.80	SW846-6020 04.06-Mo
Nickel	mg/kg	4.76	9.26	SW846-6020 04.06-Ni
Lead	mg/kg	7.0	13.6	SW846-6020 04.06-Pb
Selenium	mg/kg	1.15	2.23	SW846-6020 04.06-Se
Zinc	mg/kg	153	298	SW846-6020 04.06-Zn
pH	-	8.0		TMECC 04.11-A
Soluble Salts	dS/m	1.48		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	30.80	59.93	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	15.40	29.96	Estimated
Carbon:Nitrogen Ratio (C:N)	-	18.2:1	18.2:1	TMECC 05.02-A
Germination - Emergence	%	93		TMECC 05.05-A

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Germination - Vigor	%	22		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.0		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	%		3.37	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		8.91	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		14.54	TMECC 02.02-B