

REPORT NO.  
F11355-6012  
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

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

## COMPOST ANALYSIS REPORT

LAB NUMBER: 58356

SAMPLE ID: NCF STOCKPILE #200

DATE RECEIVED: 12/21/2011

DATE REPORTED: 01/19/2012 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	39.00		TMECC 03.09-A
Dry Matter	%	61.00		TMECC 03.09-A
Total Nitrogen (N)	%	1.36	2.23	TMECC 04.02-D
Phosphorus (P)	%	0.82	1.35	TMECC 04.03-A
Phosphate (P205)	%	1.89	3.11	TMECC 04.03-A
Potassium (K)	%	0.19	0.31	TMECC 04.04-A
Potash (K2O)	%	0.23	0.37	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.20	TMECC 04.05-MG
Calcium (Ca)	%	1.51	2.48	TMECC 04.05-CA
Arsenic	mg/kg	2.069	3.392	SW846-6020 04.06-As
Cadmium	mg/kg	0.683	1.120	SW846-6020 04.06-Cd
Chromium	mg/kg	8.06	13.21	SW846-6020 04.06-Cr
Copper	mg/kg	176.18	288.82	SW846-6020 04.06-Cu

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

Report Approved By:

Randall L. Warden - Director, Client Services

Approval Date: 1/19/2012

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg		< 0.59	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.39	3.92	SW846-6020 04.06-Mo
Nickel	mg/kg	7.06	11.57	SW846-6020 04.06-Ni
Lead	mg/kg	17.23	28.24	SW846-6020 04.06-Pb
Selenium	mg/kg	2.55	4.18	SW846-6020 04.06-Se
Zinc	mg/kg	354.0	580.4	SW846-6020 04.06-Zn
pH	-	8.7		TMECC 04.11-A
Soluble Salts	dS/m	2.92		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	33.88	55.54	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.94	27.77	Estimated
Carbon:Nitrogen Ratio (C:N)	-	12.5:1	12.5:1	TMECC 05.02-A
Germination - Emergence	%	25		TMECC 05.05-A

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Germination - Vigor	%		0	TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.4		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	1.7		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	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		2.10	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		5.99	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.22	TMECC 02.02-B