

REPORT NO.  
F11279-6012  
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

FOR: STOCKPILE 200

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 57133  
SAMPLE ID: STOCKPILE 200

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 10/05/2011

DATE RECEIVED: 10/06/2011

DATE REPORTED: 10/20/2011 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	28.99		TMECC 03.09-A
Dry Matter	%	71.01		TMECC 03.09-A
Total Nitrogen (N)	%	2.27	3.19	TMECC 04.02-D
Phosphorus (P)	%	0.85	1.19	TMECC 04.03-A
Phosphate (P205)	%	1.94	2.74	TMECC 04.03-A
Potassium (K)	%	0.30	0.42	TMECC 04.04-A
Potash (K2O)	%	0.36	0.50	TMECC 04.04-A
Magnesium (Mg)	%	0.18	0.26	TMECC 04.05-MG
Calcium (Ca)	%	1.50	2.11	TMECC 04.05-CA
Arsenic	mg/kg	2.287	3.220	SW846-6020 04.06-As
Cadmium	mg/kg	0.587	0.827	SW846-6020 04.06-Cd
Chromium	mg/kg	9.11	12.82	SW846-6020 04.06-Cr
Copper	mg/kg	240.58	338.80	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: 10/20/2011

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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	2.53	3.56	SW846-6020 04.06-Mo
Nickel	mg/kg	6.88	9.69	SW846-6020 04.06-Ni
Lead	mg/kg	13.13	18.49	SW846-6020 04.06-Pb
Selenium	mg/kg	3.95	5.57	SW846-6020 04.06-Se
Zinc	mg/kg	409.3	576.5	SW846-6020 04.06-Zn
pH	-	7.5		TMECC 04.11-A
Soluble Salts	dS/m	3.11		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	45.25	63.73	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	22.63	31.87	Estimated
Carbon:Nitrogen Ratio (C:N)	-	10.0:1	10.0:1	TMECC 05.02-A
Germination - Emergence	%	96		TMECC 05.05-A

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Germination - Vigor	%	3		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.8		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	%		2.70	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		8.24	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.18	TMECC 02.02-B