

REPORT NO.  
F14023-6011  
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 230

COPY: AL RATTIE  
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 70230

SAMPLE ID: NCF STOCKPILE 230

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 01/22/2014

DATE RECEIVED: 01/23/2014

DATE REPORTED: 02/03/2014

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	29.07		TMECC 03.09-A
Dry Matter	%	70.93		TMECC 03.09-A
Total Nitrogen (N)	%	1.20	1.69	TMECC 04.02-D
Phosphorus (P)	%	0.59	0.83	TMECC 04.03-A
Phosphate (P205)	%	1.35	1.91	TMECC 04.03-A
Potassium (K)	%	0.16	0.23	TMECC 04.04-A
Potash (K2O)	%	0.20	0.28	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.15	TMECC 04.05-MG
Calcium (Ca)	%	1.74	2.46	TMECC 04.05-B
Arsenic	mg/kg	0.476	0.671	SW846-6020 04.06-As
Cadmium	mg/kg	0.638	0.899	SW846-6020 04.06-Cd
Chromium	mg/kg	10.9	15.4	SW846-6020 04.06-Cr
Copper	mg/kg	138	195	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: 2/03/2014

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.412	< 0.581	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.35	3.32	SW846-6020 04.06-Mo
Nickel	mg/kg	7.9	11.2	SW846-6020 04.06-Ni
Lead	mg/kg	12.3	17.3	SW846-6020 04.06-Pb
Selenium	mg/kg	1.74	2.46	SW846-6020 04.06-Se
Zinc	mg/kg	329	464	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	8.5		TMECC 04.11-A
Soluble Salts	dS/m	1.81		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	%	33.74	47.57	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.87	23.79	Estimated

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Carbon:Nitrogen Ratio (C:N)	-	14.1:1	14.1:1	TMECC 05.02-A
Foreign Material	%		0.05	TMECC 03.08-A
Germination - Emergence	%	49		TMECC 05.05-A
Germination - Vigor	%	0		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.4		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.2		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	%		1.47	TMECC 02.02-B

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Retained on U.S. 1/4-inch	%		5.74	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		8.13	TMECC 02.02-B