

REPORT NO.
F13100-6016
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 221

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 65325
SAMPLE ID: STOCKPILE 221

COMPOST ANALYSIS REPORT

DATE SAMPLED: 04/09/2013

DATE RECEIVED: 04/10/2013

DATE REPORTED: 04/25/2013

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	45.58		TMECC 03.09-A
Dry Matter	%	54.42		TMECC 03.09-A
Total Nitrogen (N)	%	1.39	2.55	TMECC 04.02-D
Phosphorus (P)	%	0.66	1.22	TMECC 04.03-A
Phosphate (P205)	%	1.53	2.81	TMECC 04.03-A
Potassium (K)	%	0.23	0.42	TMECC 04.04-A
Potash (K2O)	%	0.27	0.50	TMECC 04.04-A
Magnesium (Mg)	%	0.13	0.23	TMECC 04.05-MG
Calcium (Ca)	%	1.10	2.02	TMECC 04.05-CA
Arsenic	mg/kg	2.35	4.32	SW846-6020 04.06-As
Cadmium	mg/kg	0.94	1.72	SW846-6020 04.06-Cd
Chromium	mg/kg	8.8	16.2	SW846-6020 04.06-Cr
Copper	mg/kg	123	227	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: 4/25/2013

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Mercury	mg/kg	<0.301	< 0.554	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.64	4.86	SW846-6020 04.06-Mo
Nickel	mg/kg	6.0	11.1	SW846-6020 04.06-Ni
Lead	mg/kg	13.7	25.1	SW846-6020 04.06-Pb
Selenium	mg/kg	1.83	3.37	SW846-6020 04.06-Se
Zinc	mg/kg	264	486	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.1		TMECC 04.11-A
Soluble Salts	dS/m	2.30		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	%	34.14	62.73	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	17.07	31.37	Estimated

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Carbon:Nitrogen Ratio (C:N)	-	12.3:1	12.3:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	97		TMECC 05.05-A
Germination - Vigor	%	94		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	2.4		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.0		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	-			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	%		1.49	TMECC 02.02-B

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Retained on U.S. 1/4-inch	%		6.80	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		14.00	TMECC 02.02-B