

REPORT NO.
F13219-6006
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 226

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 67133
SAMPLE ID: STOCKPILE 226

COMPOST ANALYSIS REPORT

DATE SAMPLED: 08/06/2013

DATE RECEIVED: 08/07/2013

DATE REPORTED: 08/22/2013

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	29.05		TMECC 03.09-A
Dry Matter	%	70.95		TMECC 03.09-A
Total Nitrogen (N)	%	1.55	2.19	TMECC 04.02-D
Phosphorus (P)	%	0.93	1.31	TMECC 04.03-A
Phosphate (P205)	%	2.14	3.01	TMECC 04.03-A
Potassium (K)	%	0.27	0.38	TMECC 04.04-A
Potash (K2O)	%	0.32	0.46	TMECC 04.04-A
Magnesium (Mg)	%	0.16	0.23	TMECC 04.05-MG
Calcium (Ca)	%	1.41	1.99	TMECC 04.05-CA
Arsenic	mg/kg	5.56	7.84	SW846-6020 04.06-As
Cadmium	mg/kg	0.89	1.25	SW846-6020 04.06-Cd
Chromium	mg/kg	12.6	17.8	SW846-6020 04.06-Cr
Copper	mg/kg	166	234	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: 8/22/2013

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Mercury	mg/kg	<0.416	< 0.586	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.97	4.19	SW846-6020 04.06-Mo
Nickel	mg/kg	10.0	14.1	SW846-6020 04.06-Ni
Lead	mg/kg	15.0	21.1	SW846-6020 04.06-Pb
Selenium	mg/kg	2.46	3.47	SW846-6020 04.06-Se
Zinc	mg/kg	265	373	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.5		TMECC 04.11-A
Soluble Salts	dS/m	2.22		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
Ash @ 550 C	%	22.68	31.96	TMECC 03.02-B
Organic Matter by LOI @ 550C	%	48.27	68.04	TMECC 05.07-A

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Organic Carbon by LOI @ 550C	%	24.14	34.02	Estimated
Carbon:Nitrogen Ratio (C:N)	-	15.5:1	15.5:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	99		TMECC 05.05-A
Germination - Vigor	%	85		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	2.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.0		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	-		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

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Retained on U.S. 3/8-inch	%		1.08	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		6.57	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		11.48	TMECC 02.02-B