

REPORT NO.

F15035-6008

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



REPORT PRINTED 2/19/2015

TO: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 245

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 77041

SAMPLE ID: STOCKPILE 245

COMPOST ANALYSIS REPORT

DATE SAMPLED: 02/03/2015

DATE RECEIVED: 02/04/2015

DATE REPORTED: 02/18/2015

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	59.07		TMECC 03.09-A
Dry Matter	%	40.93		TMECC 03.09-A
Total Nitrogen (N)	%	0.63	1.54	TMECC 04.02-D
Phosphorus (P)	%	0.42	1.02	TMECC 04.03-A
Phosphate (P205)	%	0.96	2.34	TMECC 04.03-A
Potassium (K)	%	0.07	0.18	TMECC 04.04-A
Potash (K2O)	%	0.09	0.22	TMECC 04.04-A
Magnesium (Mg)	%	0.06	0.14	TMECC 04.05-MG
Calcium (Ca)	%	0.56	1.38	TMECC 04.05-B
Arsenic	mg/kg	3.02	7.38	SW846-6020 04.06-As
Cadmium	mg/kg	0.327	0.798	SW846-6020 04.06-Cd
Chromium	mg/kg	9.2	22.4	SW846-6020 04.06-Cr
Copper	mg/kg	79	192	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: 2/19/2015

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.230	< 0.563	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.53	3.73	SW846-6020 04.06-Mo
Nickel	mg/kg	4.5	10.9	SW846-6020 04.06-Ni
Lead	mg/kg	8.3	20.2	SW846-6020 04.06-Pb
Selenium	mg/kg	1.38	3.37	SW846-6020 04.06-Se
Zinc	mg/kg	220	538	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	4.7		TMECC 04.11-A
Soluble Salts	dS/m	3.39		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	%	14.06	34.36	TMECC 03.02-B
Organic Matter by LOI @ 550C	%	26.87	65.64	TMECC 05.07-A

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Total Organic Carbon (C)	%	13.43	32.82	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	21.3:1	21.3:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	94		TMECC 05.05-A
Germination - Vigor	%	93		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.1		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 Sieve	%		0.00	TMECC 02.02-B

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Retained on U.S. 3/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		1.44	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		6.65	TMECC 02.02-B