

REPORT NO.
F15293-6007
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 AUTHORITY
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 249

COPY: AL RATTIE

STA

ATTN: DALE BAILEY

LAB NUMBER: 81904
SAMPLE ID: STOCKPILE 249

COMPOST ANALYSIS REPORT

DATE SAMPLED: 10/19/2015

DATE RECEIVED: 10/20/2015

DATE REPORTED: 11/11/2015 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	28.93		TMECC 03.09-A
Dry Matter	%	71.07		TMECC 03.09-A
Total Nitrogen (N)	%	1.81	2.55	TMECC 04.02-D
Phosphorus (P)	%	0.70	0.99	TMECC 04.03-A
Phosphate (P205)	%	1.62	2.27	TMECC 04.03-A
Potassium (K)	%	0.28	0.39	TMECC 04.04-A
Potash (K2O)	%	0.33	0.47	TMECC 04.04-A
Magnesium (Mg)	%	0.16	0.23	TMECC 04.05-MG
Calcium (Ca)	%	1.19	1.67	TMECC 04.05-B
Arsenic	mg/kg	6.39	8.99	SW846-6020 04.06-As
Cadmium	mg/kg	0.508	0.715	SW846-6020 04.06-Cd
Chromium	mg/kg	16.6	23.3	SW846-6020 04.06-Cr
Copper	mg/kg	114	161	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: 11/11/2015

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.415	< 0.584	SW846-6020 04.06-Hg
Molybdenum	mg/kg	5.05	7.11	SW846-6020 04.06-Mo
Nickel	mg/kg	8.3	11.7	SW846-6020 04.06-Ni
Lead	mg/kg	10.3	14.5	SW846-6020 04.06-Pb
Selenium	mg/kg	1.38	1.94	SW846-6020 04.06-Se
Zinc	mg/kg	290	408	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.7		TMECC 04.11-A
Soluble Salts	dS/m	2.43		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A
Organic Matter (LOI @ 550 C)	%	40.75	57.34	TMECC 05.07-A
Total Organic Carbon (C)	%	20.38	28.67	TMECC 04.01-A

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Carbon:Nitrogen Ratio (C:N)	-	11.2:1	11.2:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	97		TMECC 05.05-A
Germination - Vigor	%	13		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.3		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
Retained on U.S. 3/8-inch Sieve	%		1.93	TMECC 02.02-B

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Retained on U.S. 1/4-inch Sieve	%		8.80	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.69	TMECC 02.02-B