

REPORT NO.
F10006-6006
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 171
POTTING SOIL BLEND

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 48830

SAMPLE ID: STOCKPILE 171/POTTING SOIL BLEND

COMPOST ANALYSIS REPORT

DATE SAMPLED: 01/05/2010

DATE RECEIVED: 01/06/2010

DATE REPORTED: 01/22/2010

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	52.71		TMECC 03.09-A
Dry Matter	%	47.29		TMECC 03.09-A
Total Nitrogen (N)	%	1.07	2.27	TMECC 04.02-D
Phosphorus (P)	%	0.49	1.03	TMECC 04.03-A
Phosphate (P205)	%	1.12	2.37	TMECC 04.03-A
Potassium (K)	%	0.08	0.17	TMECC 04.04-A
Potash (K2O)	%	0.10	0.20	TMECC 04.04-A
Magnesium (Mg)	%	0.10	0.21	TMECC 04.05-MG
Calcium (Ca)	%	0.64	1.35	TMECC 04.05-CA
Arsenic	mg/kg	6.207	13.126	SW846-6020 04.06-As
Cadmium	mg/kg	0.341	0.722	SW846-6020 04.06-Cd
Chromium	mg/kg	10.423	22.041	SW846-6020 04.06-Cr
Copper	mg/kg	66.887	141.439	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.001	SW846-6020 04.06-Hg
Molybdenum	mg/kg	3.421	7.235	SW846-6020 04.06-Mo
Nickel	mg/kg	6.203	13.116	SW846-6020 04.06-Ni
Lead	mg/kg	11.842	25.041	SW846-6020 04.06-Pb

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Selenium	mg/kg	1.471	3.110	SW846-6020 04.06-Se
Zinc	mg/kg	144.050	304.610	SW846-6020 04.06-Zn
pH	-	7.3		TMECC 04.11-A
Soluble Salts	dS/m	1.98		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		340	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	26.42	55.86	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	13.21	27.93	Estimated
Carbon:Nitrogen Ratio (C:N)	-	12.3:1	12.3:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.6		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

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Retained on U.S. 5/8-inch	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		0.59	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		5.51	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		9.82	TMECC 02.02-B