

REPORT NO.  
F11291-6013  
ACCOUNT NUMBER  
52501

# 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: LOUDOUN COMPOSTING, LLC  
44150 WADE DR  
CHANTILLY, VA 20152-1347

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

LAB NUMBER: 57283  
SAMPLE ID: XXXUB

## COMPOST ANALYSIS REPORT

DATE RECEIVED: 10/18/2011  
DATE REPORTED: 11/09/2011 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	54.37		TMECC 03.09-A
Dry Matter	%	45.63		TMECC 03.09-A
Total Nitrogen (N)	%	0.74	1.63	TMECC 04.02-D
Phosphorus (P)	%	0.08	0.17	TMECC 04.03-A
Phosphate (P205)	%	0.18	0.39	TMECC 04.03-A
Potassium (K)	%	0.36	0.79	TMECC 04.04-A
Potash (K2O)	%	0.43	0.95	TMECC 04.04-A
Magnesium (Mg)	%	0.22	0.48	TMECC 04.05-MG
Calcium (Ca)	%	0.99	2.16	TMECC 04.05-CA
Iron (Fe)	%	0.61	1.33	TMECC 04.05-FE
Arsenic	mg/kg	2.630	5.764	SW846-6020 04.06-As
Cadmium	mg/kg	0.535	1.173	SW846-6020 04.06-Cd
Chromium	mg/kg	7.31	16.01	SW846-6020 04.06-Cr

TMECC - Test Methods for the Examination of Composting and Compost, The U.S. Composting Council.

Report Approved By:

Lois K. Parker - President

Approval Date: 11/09/2011

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Copper	mg/kg	21.19	46.44	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.59	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.37	0.81	SW846-6020 04.06-Mo
Nickel	mg/kg	3.35	7.34	SW846-6020 04.06-Ni
Lead	mg/kg	5.35	11.72	SW846-6020 04.06-Pb
Selenium	mg/kg		< 0.56	SW846-6020 04.06-Se
Zinc	mg/kg	45.2	99.1	SW846-6020 04.06-Zn
pH	-	7.8		TMECC 04.11-A
Soluble Salts	dS/m	1.95		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	25.68	56.28	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	12.84	28.14	Estimated
Carbon:Nitrogen Ratio (C:N)	-	17.3:1	17.3:1	TMECC 05.02-A

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SAMPLE ID: XXXUB

## COMPOST ANALYSIS REPORT

DATE RECEIVED: 10/18/2011  
DATE REPORTED: 11/09/2011 PAGE: 3

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Germination - Emergence	%	90		TMECC 05.05-A
Germination - Vigor	%	24		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.9		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.4		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		2	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -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
Retained on U.S. 3/8-inch	%		7.39	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		16.71	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		15.15	TMECC 02.02-B

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TO: LOUDOUN COMPOSTING, LLC  
44150 WADE DR  
CHANTILLY, VA 20152-1347

ATTN: TIM HUTCHINSON

LAB NUMBER: 57591  
SAMPLE ID: 1

## COMPOST ANALYSIS REPORT

DATE RECEIVED: 11/07/2011  
DATE REPORTED: 11/09/2011 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	36.07		TMECC 03.09-A
Dry Matter	%	63.93		TMECC 03.09-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC

TMECC - Test Methods for the Examination of Composting and Compost, The U.S. Composting Council.

Report Approved By:   
Lois K. Parker - President

Approval Date: 11/09/2011