



**US COMPOSTING  
COUNCIL**

*Seal of Testing  
Assurance*

**Loudoun Composting LLC**

Tim Hutchinson  
44150 Wade Dr  
Chantilly VA 20152-1347  
703-327-8428

Product Name: **PILE# D #XXX111C**

Sample Date: **8/23/07 10:30 AM**

A & L Lab Number: **37004**

A & L Report Number: **F07236-6011**

**COMPOST TECHNICAL DATA SHEET**

**A & L Great Lakes Laboratories, Inc. 3505 Conestoga Drive Fort Wayne IN 46808**

<i>Compost Parameters</i>	<i>Method</i>	<i>Reported as (units of measure)</i>	<i>Test Results</i>	<i>Test Results</i>
Plant Nutrients:		%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	TMECC 04.02-D	Total N	1.06	1.68
Phosphorus	TMECC 04.03-A	P <sub>2</sub> O <sub>5</sub>	0.22	0.34
Potassium	TMECC 04.04-A	K <sub>2</sub> O	0.64	1.02
Calcium	TMECC 04.05-CA	Ca	1.54	2.45
Magnesium	TMECC 04.05-MG	Mg	0.33	0.53
Moisture Content	TMECC 03.09-A	%, wet weight basis	36.98	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	54.25	
pH	TMECC 04.11-A	pH units	7.9	
Soluble Salts ( <i>electrical conductivity EC<sub>5</sub></i> )	TMECC 04.10-A	dS/m (mmhos/cm)	1.35	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	100.00	
Stability Indicator ( <i>respirometry</i> )			Stability Rating:	
CO <sub>2</sub> Evolution		mg CO <sub>2</sub> -C/g OM/day	1	Very Stable
		mg CO <sub>2</sub> -C/g TS/day	1	
Maturity Indicator (bioassay)				
Percent Emergence	TMECC 05.05-A	average % of control	99	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	92	
Select Pathogens	TMECC 07.01-B	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS	<i>Fecal Coliform</i>
Trace Metals	TMECC 04.06	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	PASS	<i>As, Cd, Pb, Hg,</i>
				<i>Mo, Ni, Se, Zn</i>

*Participants in the US Composting Council's Seal of Testing Assurance Program have shown the commitment to test their compost products on a prescribed basis and provide this data, along with compost end use instructions, as a means to better serve the needs of their compost customers.*



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Plant Nutrients:		%, weight basis	Not Reported	
Moisture Content	TMECC 03.09-A	%, wet weight basis	36.98	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	54.25	
pH	TMECC 04.11-A	pH units	7.9	
Soluble Salts <i>(electrical conductivity EC<sub>5</sub>)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	1.35	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	100.00	
<i>Stability Indicator (respirometry)</i>			<i>Stability Rating:</i>	
CO <sub>2</sub> Evolution		mg CO <sub>2</sub> -C/g OM/day	1	Very Stable
		mg CO <sub>2</sub> -C/g TS/day	1	
<i>Maturity Indicator (bioassay)</i>				
Percent Emergence	TMECC 05.05-A	average % of control	99	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	92	
Select Pathogens	TMECC 07.01-B	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS	<i>Fecal Coliform</i>
Trace Metals	TMECC 04.06	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13,	PASS	<i>As, Cd, Pb, Hg,</i>
				<i>Mo, Ni, Se, Zn</i>

*Participants in the US Composting Council's Seal of Testing Assurance Program have shown the commitment to test their compost products on a prescribed basis and provide this data, along with compost end use instructions, as a means to better serve the needs of*

REPORT NO.  
F07236-6011  
ACCOUNT NUMBER  
52501

# A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274  
www.algreatlakes.com • lab@algreatlakes.com



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

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

## COMPOST ANALYSIS REPORT

LAB NUMBER: 37004  
SAMPLE ID: PILE# D #XXX111C

DATE SAMPLED: 08/23/2007  
DATE RECEIVED: 08/24/2007  
DATE REPORTED: 09/25/2007 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	36.98		TMECC 03.09-A
Dry Matter	%	63.02		TMECC 03.09-A
Total Nitrogen (N)	%	1.06	1.68	TMECC 04.02-D
Ammonium Nitrogen (NH4-N)	mg/kg	10	16	TMECC 04.02-C
Phosphorus (P)	%	0.09	0.15	TMECC 04.03-A
Phosphate (P205)	%	0.22	0.34	TMECC 04.03-A
Potassium (K)	%	0.54	0.85	TMECC 04.04-A
Potash (K2O)	%	0.64	1.02	TMECC 04.04-A
Magnesium (Mg)	%	0.33	0.53	TMECC 04.05-MG
Calcium (Ca)	%	1.54	2.45	TMECC 04.05-CA
Iron (Fe)	%	0.88	1.39	TMECC 04.05-FE
Arsenic	mg/kg	4.902	7.779	SW846-6020 04.06-As
Cadmium	mg/kg	0.23	0.37	SW846-6020 04.06-Cd
Chromium	mg/kg	15.52	24.63	SW846-6020 04.06-Cr
Copper	mg/kg	35.51	56.35	SW846-6020 04.06-Cu
Mercury	mg/kg	<0.01	< 0.01	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.59	0.94	SW846-6020 04.06-Mo

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Nickel	mg/kg	8.09	12.84	SW846-6020 04.06-Ni
Lead	mg/kg	11.77	18.67	SW846-6020 04.06-Pb
Selenium	mg/kg	<0.001	< 0.001	SW846-6020 04.06-Se
Zinc	mg/kg	69.67	110.55	SW846-6020 04.06-Zn
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	1.35		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	34.19	54.25	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	17.09	27.12	Estimated
Carbon:Nitrogen Ratio (C:N)	-	16.1:1	16.1:1	TMECC 05.02-A
Germination - Emergence	%	99		TMECC 05.05-A
Germination - Vigor	%	92		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.3		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		1	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

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PAGE: 3

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
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	%		0.00	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		2.70	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		8.51	TMECC 02.02-B