



**US COMPOSTING
COUNCIL**

*Seal of Testing
Assurance*

Loudoun Composting LLC

Tim Hutchinson
44150 Wade Dr
Chantilly VA 20152-1347

Product Name: **PILE # XXX2CL**

Sample Date: **2/9/07 12:00 AM**

A & L Lab Number: **34339**

A & L Report Number: **F07043-6007**

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	0.76	1.68
Phosphorus	TMECC 04.03-A	P ₂ O ₅	0.19	0.41
Potassium	TMECC 04.04-A	K ₂ O	0.41	0.91
Calcium	TMECC 04.05-CA	Ca	0.85	1.89
Magnesium	TMECC 04.05-MG	Mg	0.27	0.60
Moisture Content	TMECC 03.09-A	%, wet weight basis	54.96	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	50.67	
pH	TMECC 04.11-A	pH units	7.2	
Soluble Salts <i>(electrical conductivity EC_s)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	1.96	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	94.33	
Stability Indicator (<i>respirometry</i>)			<i>Stability Rating:</i>	
CO ₂ Evolution		mg CO ₂ -C/g OM/day	1	Very Stable
		mg CO ₂ -C/g TS/day	1	
Maturity Indicator (bioassay)				
Percent Emergence	TMECC 05.05-A	average % of control	97	
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	54.96	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	50.67	
pH	TMECC 04.11-A	pH units	7.2	
Soluble Salts (<i>electrical conductivity EC₅</i>)	TMECC 04.10-A	dS/m (mmhos/cm)	1.96	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	94.33	
Stability Indicator (<i>respirometry</i>)			<i>Stability Rating:</i>	
CO ₂ Evolution		mg CO ₂ -C/g OM/day	1	Very Stable
		mg CO ₂ -C/g TS/day	1	
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Percent Emergence	TMECC 05.05-A	average % of control	97	
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, Mo, Ni, Se, Zn</i>

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REPORT NO.
F07043-6007
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

LAB NUMBER: 34339
SAMPLE ID: PILE XXX2CL

COMPOST ANALYSIS REPORT

DATE SAMPLED: 02/09/2007

DATE RECEIVED: 02/12/2007

DATE REPORTED: 03/05/2007

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	54.96		TMECC 03.09-A
Dry Matter	%	45.04		TMECC 03.09-A
Total Nitrogen (N)	%	0.76	1.68	TMECC 04.02-D
Phosphorus (P)	%	0.08	0.18	TMECC 04.03-A
Phosphate (P205)	%	0.19	0.41	TMECC 04.03-A
Potassium (K)	%	0.34	0.76	TMECC 04.04-A
Potash (K2O)	%	0.41	0.91	TMECC 04.04-A
Magnesium (Mg)	%	0.27	0.60	TMECC 04.05-MG
Calcium (Ca)	%	0.85	1.89	TMECC 04.05-CA
Iron (Fe)	%	1.05	2.34	TMECC 04.05-FE
Arsenic	mg/kg	4.039	8.968	SW846-6020 04.06-As
Cadmium	mg/kg	0.18	0.40	SW846-6020 04.06-Cd
Chromium	mg/kg	15.57	34.57	SW846-6020 04.06-Cr
Copper	mg/kg	22.52	49.99	SW846-6020 04.06-Cu
Mercury	mg/kg	0.05	0.10	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.35	0.78	SW846-6020 04.06-Mo
Nickel	mg/kg	10.11	22.44	SW846-6020 04.06-Ni

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DATE REPORTED: 03/05/2007 PAGE: 2

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Lead	mg/kg	9.08	20.16	SW846-6020 04.06-Pb
Selenium	mg/kg	0.273	0.607	SW846-6020 04.06-Se
Zinc	mg/kg	59.52	132.16	SW846-6020 04.06-Zn
pH	-	7.2		TMECC 04.11-A
Soluble Salts	dS/m	1.96		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		10	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	22.82	50.67	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	11.41	25.33	Estimated
Carbon:Nitrogen Ratio (C:N)	-	15.1:1	15.1:1	TMECC 05.02-A
Germination - Emergence	%	97		TMECC 05.05-A
Germination - Vigor	%	92		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.4		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

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
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	%		5.67	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		13.54	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		18.04	TMECC 02.02-B