



**Loudoun Composting LLC**

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

Product Name: XXIVD6

Sample Date: 3/22/11 12:30 PM

A & L Lab Number: 54427

A & L Report Number: F11082-6003

**COMPOST TECHNICAL DATA SHEET**

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

Compost Parameters	Method	Reported as (units of measure)	Test Results	Test Results
Plant Nutrients:		%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	TMECC 04.02-D	Total N	0.67	1.53
Phosphorus	TMECC 04.03-A	P <sub>2</sub> O <sub>5</sub>	0.15	0.34
Potassium	TMECC 04.04-A	K <sub>2</sub> O	0.39	0.89
Calcium	TMECC 04.05-CA	Ca	0.95	2.17
Magnesium	TMECC 04.05-MG	Mg	0.19	0.43
Moisture Content	TMECC 03.09-A	%, wet weight basis	58.17	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	55.76	
pH	TMECC 04.11-A	pH units	7.7	
Soluble Salts (electrical conductivity EC <sub>s</sub> )	TMECC 04.10-A	dS/m (mmhos/cm)	1.68	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	98.16	
Stability Indicator (respirometry)			Stability Rating:	
CO <sub>2</sub> Evolution	TMECC 05.08-B	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	94	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	89	
Select Pathogens	TMECC 07.01-B	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS	Fecal Coliform
Trace Metals	TMECC 04.06	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	PASS	As, Cd, Pb, Hg,
				Mo, Ni, Se, Zn

*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	58.17	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	55.76	
pH	TMECC 04.11-A	pH units	7.7	
Soluble Salts <i>(electrical conductivity EC<sub>5</sub>)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	1.68	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	98.16	
Stability Indicator <i>(respirometry)</i>			Stability Rating:	
CO <sub>2</sub> Evolution	TMECC 05.08-B	mg CO <sub>2</sub> -C/g OM/day	1	Very Stable
		mg CO <sub>2</sub> -C/g TS/day	1	
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Percent Emergence	TMECC 05.05-A	average % of control	94	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	89	
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>

*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.*

REPORT NO.  
F11082-6003  
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: 54427  
SAMPLE ID: XXIVD6

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 03/22/2011

DATE RECEIVED: 03/23/2011

DATE REPORTED: 04/06/2011

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	56.17		TMECC 03.09-A
Dry Matter	%	43.83		TMECC 03.09-A
Total Nitrogen (N)	%	0.67	1.53	TMECC 04.02-D
Phosphorus (P)	%	0.07	0.15	TMECC 04.03-A
Phosphate (P205)	%	0.15	0.34	TMECC 04.03-A
Potassium (K)	%	0.32	0.74	TMECC 04.04-A
Potash (K2O)	%	0.39	0.89	TMECC 04.04-A
Magnesium (Mg)	%	0.19	0.43	TMECC 04.05-MG
Calcium (Ca)	%	0.95	2.17	TMECC 04.05-CA
Iron (Fe)	%	0.56	1.28	TMECC 04.05-FE
Arsenic	mg/kg	2.543	5.802	SW846-6020 04.06-As
Cadmium	mg/kg	0.163	0.371	SW846-6020 04.06-Cd
Chromium	mg/kg	7.07	16.14	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: 4/06/2011

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DATE REPORTED: 04/06/2011 PAGE: 2

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Copper	mg/kg	23.88	54.49	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.59	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.34	0.78	SW846-6020 04.06-Mo
Nickel	mg/kg	3.12	7.13	SW846-6020 04.06-Ni
Lead	mg/kg	5.17	11.80	SW846-6020 04.06-Pb
Selenium	mg/kg		< 0.56	SW846-6020 04.06-Se
Zinc	mg/kg	37.6	85.9	SW846-6020 04.06-Zn
pH	-	7.7		TMECC 04.11-A
Soluble Salts	dS/m	1.68		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		370	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	24.44	55.76	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	12.22	27.88	Estimated
Carbon:Nitrogen Ratio (C:N)	-	18.2:1	18.2:1	TMECC 05.02-A

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Germination - Emergence	%	94		TMECC 05.05-A
Germination - Vigor	%	89		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	2.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.7		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
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	%		1.84	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		10.14	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		21.28	TMECC 02.02-B