



Loudoun Composting LLC

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

Product Name: XXXIIF9

Sample Date: 6/30/11 10:00 AM

A & L Lab Number: 55474

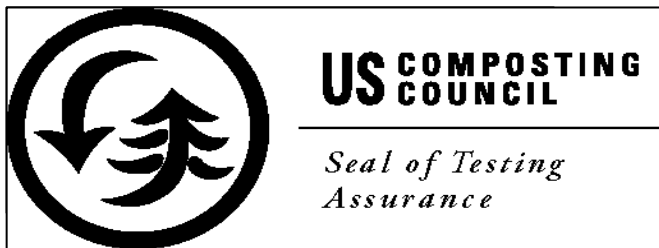
A & L Report Number: F11186-6011

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	0.80	1.64
Phosphorus	TMECC 04.03-A	P ₂ O ₅	0.20	0.41
Potassium	TMECC 04.04-A	K ₂ O	0.58	1.19
Calcium	TMECC 04.05-CA	Ca	1.20	2.48
Magnesium	TMECC 04.05-MG	Mg	0.27	0.55
Moisture Content	TMECC 03.09-A	%, wet weight basis	51.47	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	51.91	
pH	TMECC 04.11-A	pH units	7.8	
Soluble Salts <i>(electrical conductivity EC_s)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	2.17	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	99.50	
Stability Indicator <i>(respirometry)</i>			Stability Rating:	
CO ₂ Evolution	TMECC 05.08-B	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	100	
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, 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.



Loudoun Composting LLC

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

Product Name: XXXIIF9

Sample Date: 6/30/11 10:00 AM

A & L Lab Number: 55474

A & L Report Number: F11186-6011

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>	
Plant Nutrients:		%, weight basis	Not Reported	
Moisture Content	TMECC 03.09-A	%, wet weight basis	51.47	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	51.91	
pH	TMECC 04.11-A	pH units	7.8	
Soluble Salts <i>(electrical conductivity EC₅)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	2.17	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	99.50	
Stability Indicator <i>(respirometry)</i>			<i>Stability Rating:</i>	
CO ₂ Evolution	TMECC 05.08-B	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	100	
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.
F11186-6011
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

FOR: XXXIIF9

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

LAB NUMBER: 55474
SAMPLE ID: XXXIIF9

COMPOST ANALYSIS REPORT

DATE SAMPLED: 06/30/2011

DATE RECEIVED: 07/05/2011

DATE REPORTED: 07/21/2011

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	51.47		TMECC 03.09-A
Dry Matter	%	48.53		TMECC 03.09-A
Total Nitrogen (N)	%	0.80	1.64	TMECC 04.02-D
Phosphorus (P)	%	0.09	0.18	TMECC 04.03-A
Phosphate (P205)	%	0.20	0.41	TMECC 04.03-A
Potassium (K)	%	0.48	0.99	TMECC 04.04-A
Potash (K2O)	%	0.58	1.19	TMECC 04.04-A
Magnesium (Mg)	%	0.27	0.55	TMECC 04.05-MG
Calcium (Ca)	%	1.20	2.48	TMECC 04.05-CA
Iron (Fe)	%	0.88	1.82	TMECC 04.05-FE
Arsenic	mg/kg	2.841	5.855	SW846-6020 04.06-As
Cadmium	mg/kg	0.214	0.441	SW846-6020 04.06-Cd
Chromium	mg/kg	8.12	16.73	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: 7/21/2011

REPORT NO.
F11186-6011
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

FOR: XXXIIF9

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

LAB NUMBER: 55474
SAMPLE ID: XXXIIF9

COMPOST ANALYSIS REPORT

DATE SAMPLED: 06/30/2011

DATE RECEIVED: 07/05/2011

DATE REPORTED: 07/21/2011

PAGE: 2

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Copper	mg/kg	25.48	52.50	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.59	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.40	0.83	SW846-6020 04.06-Mo
Nickel	mg/kg	4.48	9.22	SW846-6020 04.06-Ni
Lead	mg/kg	7.01	14.45	SW846-6020 04.06-Pb
Selenium	mg/kg	0.36	0.73	SW846-6020 04.06-Se
Zinc	mg/kg	46.0	94.9	SW846-6020 04.06-Zn
pH	-	7.8		TMECC 04.11-A
Soluble Salts	dS/m	2.17		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	25.19	51.91	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	12.59	25.95	Estimated
Carbon:Nitrogen Ratio (C:N)	-	15.8:1	15.8:1	TMECC 05.02-A

REPORT NO.
F11186-6011
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

FOR: XXXIIF9

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

LAB NUMBER: 55474
SAMPLE ID: XXXIIF9

COMPOST ANALYSIS REPORT

DATE SAMPLED: 06/30/2011

DATE RECEIVED: 07/05/2011

DATE REPORTED: 07/21/2011

PAGE: 3

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	89		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.2		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
Retained on U.S. 5/8-inch	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		0.50	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		5.26	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		14.18	TMECC 02.02-B