



**US COMPOSTING
COUNCIL**

*Seal of Testing
Assurance*

Loudoun Composting LLC

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

Product Name: **G-3AA**

Sample Date: **7/16/09 10:30 AM**

A & L Lab Number: **46406**

A & L Report Number: **F09198-6007**

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	0.90	1.60
Phosphorus	TMECC 04.03-A	P ₂ O ₅	0.23	0.41
Potassium	TMECC 04.04-A	K ₂ O	0.54	0.96
Calcium	TMECC 04.05-CA	Ca	1.33	2.36
Magnesium	TMECC 04.05-MG	Mg	0.29	0.52
Moisture Content	TMECC 03.09-A	%, wet weight basis	43.49	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	50.71	
pH	TMECC 04.11-A	pH units	7.6	
Soluble Salts <i>(electrical conductivity EC_s)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	2.65	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	98.99	
Stability Indicator <i>(respirometry)</i>			Stability Rating:	
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	100	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	100	
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	43.49	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	50.71	
pH	TMECC 04.11-A	pH units	7.6	
Soluble Salts <i>(electrical conductivity EC₅)</i>	TMECC 04.10-A	dS/m (mmhos/cm)	2.65	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	98.99	
<i>Stability Indicator (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	
<i>Maturity Indicator (bioassay)</i>				
Percent Emergence	TMECC 05.05-A	average % of control	100	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	100	
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>

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REPORT NO.
F09198-6007
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: 46406
SAMPLE ID: ID # G-3AA

COMPOST ANALYSIS REPORT

DATE RECEIVED: 07/17/2009

DATE REPORTED: 08/03/2009 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	43.49		TMECC 03.09-A
Dry Matter	%	56.51		TMECC 03.09-A
Total Nitrogen (N)	%	0.90	1.60	TMECC 04.02-D
Phosphorus (P)	%	0.10	0.18	TMECC 04.03-A
Phosphate (P205)	%	0.23	0.41	TMECC 04.03-A
Potassium (K)	%	0.45	0.80	TMECC 04.04-A
Potash (K2O)	%	0.54	0.96	TMECC 04.04-A
Magnesium (Mg)	%	0.29	0.52	TMECC 04.05-MG
Calcium (Ca)	%	1.33	2.36	TMECC 04.05-CA
Iron (Fe)	%	0.83	1.47	TMECC 04.05-FE
Arsenic	mg/kg	4.363	7.720	SW846-6020 04.06-As
Cadmium	mg/kg	0.260	0.460	SW846-6020 04.06-Cd
Chromium	mg/kg	15.173	26.850	SW846-6020 04.06-Cr
Copper	mg/kg	36.969	65.420	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.001	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.819	1.450	SW846-6020 04.06-Mo
Nickel	mg/kg	8.392	14.850	SW846-6020 04.06-Ni

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SAMPLE ID: ID # G-3AA

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DATE REPORTED: 08/03/2009 PAGE: 2

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Lead	mg/kg	10.290	18.210	SW846-6020 04.06-Pb
Selenium	mg/kg	0.379	0.670	SW846-6020 04.06-Se
Zinc	mg/kg	73.440	129.960	SW846-6020 04.06-Zn
pH	-	7.6		TMECC 04.11-A
Soluble Salts	dS/m	2.65		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	28.66	50.71	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	14.33	25.36	Estimated
Carbon:Nitrogen Ratio (C:N)	-	15.9:1	15.9:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.9		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	%		1.01	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		5.72	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.92	TMECC 02.02-B