



Country Oaks Landscape

Mark Cherry
5904 Dixie Highway
Clarkston MI 48346
248-521-0720

Product Name: **GRADE A COMPOST 4**

Sample Date: **11/30/21 3:00 PM**

Receive Date: **12/1/21 10:56 AM**

A & L Lab Number: **40416**

A & L Report Number: **F21335-6537**

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	0.92	1.58
Phosphorus	TMECC 04.03-A	P ₂ O ₅	0.25	0.44
Potassium	TMECC 04.04-A	K ₂ O	0.75	1.28
Calcium	TMECC 04.05-CA	Ca	2.41	4.13
Magnesium	TMECC 04.05-MG	Mg	0.51	0.88
Moisture Content	TMECC 03.09-A	%, wet weight basis	41.73	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	53.08	
pH	TMECC 04.11-A	pH units	8.0	
Soluble Salts (electrical conductivity EC ₅)	TMECC 04.10-A	dS/m (mmhos/cm)	2.17	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	99.03	
Stability Indicator (respirometry)			Stability Rating:	
CO ₂ Evolution	TMECC 05.08-B	mg CO ₂ -C/g OM/day	2.3	Moderately Unstable
		mg CO ₂ -C/g TS/day	2.5	
Maturity Indicator (bioassay)				
Percent Emergence	TMECC 05.05-A	average % of control	93	
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	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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<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	41.73	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	53.08	
pH	TMECC 04.11-A	pH units	8.0	
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	99.03	
Stability Indicator <i>(respirometry)</i>			<i>Stability Rating:</i>	
CO ₂ Evolution	TMECC 05.08-B	mg CO ₂ -C/g OM/day	2.3	Moderately Unstable
		mg CO ₂ -C/g TS/day	2.5	
Maturity Indicator (bioassay)				
Percent Emergence	TMECC 05.05-A	average % of control	93	
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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COMPOST TECHNICAL DATA SHEET for MICHIGAN DOT

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

<i>Compost Parameters</i>	<i>Method</i>	<i>Specification Requirements</i>	<i>Test Results</i>
pH	TMECC 04.11-A	Minimum 6.0 Maximum 8.5	8.0
Soluble Salts	TMECC 04.10-A	Maximum 5.0 dS/m (mmho/cm)	2.17
Moisture Content	TMECC 03.09-A	30 - 60%, wet weight basis	41.73
Organic Matter Content	TMECC 05.07-A	25 - 65 %, dry weight basis	53.08
Sieve Size (aggregate size)	TMECC 02.02-B	% dry weight passing through 2" Sieve 100% 1" Sieve minimum 90% 3/4" Sieve minimum 65% 1/4 " Sieve maximum 50%	100.00 100.00 100.00 95.77
Stability Carbon Dioxide Evolution	TMECC 05.08-B	< 8 mg CO ₂ -C / gram OM / Day	2.3
Maturity Seed Germination	TMECC 05.05-A	> / = 80% (compared to control)	93
Trace Elements / Heavy Metals	TMECC 04.06	Meets US EPA Class A Standard 40 CFR § 503.13 PASS/FAIL	PASS
Pathogens	TMECC 07.01-B	Fecal Coliform < 1000 MPN / gram total solids PASS / FAIL	PASS
Man-made Inerts	TMECC 02.02-C	< 1.0% Total Inerts (dry basis)	0.00

Laboratory Report Number: F21335-6537

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Approved by: Jamie Bultemeier - Agronomist / Corporate Sales Director

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