



**McGill Environmental Systems**

Steve Cockman  
634 Christian Chapel Church Road  
New Hill, NC 27562-8867  
910-362-1191

*Product Name:* **Merry Oaks Soilbuilder**

*Sample Date:* **7/5/17 9:00 AM**

*Receive Date:* **7/6/17**

*A & L Lab Number:* **92916**

*A & L Report Number:* **F17187-6012**

**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	1.46	2.68
Phosphorus	TMECC 04.03-A	P <sub>2</sub> O <sub>5</sub>	1.28	2.34
Potassium	TMECC 04.04-A	K <sub>2</sub> O	0.40	0.73
Calcium	TMECC 04.05-CA	Ca	1.28	2.34
Magnesium	TMECC 04.05-MG	Mg	0.20	0.37
Moisture Content	TMECC 03.09-A	%, wet weight basis	45.35	
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	56.24	
pH	TMECC 04.11-A	pH units	7.9	
Soluble Salts ( <i>electrical conductivity EC<sub>5</sub></i> )	TMECC 04.10-A	dS/m (mmhos/cm)	7.83	
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	100.00	
Stability Indicator ( <i>respirometry</i> )			<i>Stability Rating:</i>	
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	100	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	40	
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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Compost Parameters	Method	Reported as (units of measure)	Test Results
Plant Nutrients:		%, weight basis	Not Reported
Moisture Content	TMECC 03.09-A	%, wet weight basis	45.35
Organic Matter Content	TMECC 05.07-A	%, dry weight basis	56.24
pH	TMECC 04.11-A	pH units	7.9
Soluble Salts (electrical conductivity EC <sub>5</sub> )	TMECC 04.10-A	dS/m (mmhos/cm)	7.83
Particle Size	TMECC 02.02-B	% < 9.5 mm (3/8 in.), dw basis	100.00
Stability Indicator (respirometry)			Stability Rating:
CO <sub>2</sub> Evolution	TMECC 05.08-B	mg CO <sub>2</sub> -C/g OM/day	1
		mg CO <sub>2</sub> -C/g TS/day	1
Maturity Indicator (bioassay)			Very Stable
Percent Emergence	TMECC 05.05-A	average % of control	
Relative Seedling Vigor	TMECC 05.05-A	average % of control	40
Select Pathogens	TMECC 07.01-B	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	PASS
Trace Metals	TMECC 04.06	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13,	Fecal Coliform
			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.



This product meets or exceeds the parameters of the Acceptable Range of compost characteristics contained in the USCC's Consumer Compost Use program.

### Compost Ingredients:

This compost product has been sampled and tested as required by the Seal of Testing Assurance Program of the United States Composting Council (USCC), using certain methods from the "Test Methods for the Examination of Compost and Composting" manual. Test results are available upon request by calling McGill Environmental Systems 919-362-1161. The USCC makes no warranties regarding this product or its contents, quality, or suitability for any particular use.

For additional information pertaining to compost use, the specific compost parameters tested for within the Seal of Testing Assurance Program, or the program in general, log on to the US Composting Council's TMECC web-site at <http://www.tmecc.org/sta/>.