

Report Number  
F17118-6022  
Account Number  
60534



3505 Conestoga Dr.  
Fort Wayne, IN 46808  
260.483.4759  
algreatlakes.com

To: MICHIGAN STATE UNIVERSITY  
E3774 UNIVERSITY  
PO BOX 168  
CHATHAM, MI 49816-0168

Attn: CHRIS KAPP

Sample ID: COMPOST-17  
Lab Number: 91840

Date Sampled: 4/25/2017  
Date Received: 4/28/2017  
Date Reported: 5/2/2017

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	44.27		TMECC 03.09-A
Solids	%	55.73		TMECC 03.09-A
Total Nitrogen (N)	%	0.51	0.91	TMECC 04.02-D
Phosphorus (P)	%	0.16	0.28	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.36	0.64	TMECC 04.03-A
Potassium (K)	%	0.12	0.22	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.15	0.26	TMECC 04.04-A
Sulfur (S)	%	0.06	0.11	TMECC 04.05-S
Magnesium (Mg)	%	0.60	1.07	TMECC 04.05-MG
Calcium (Ca)	%	1.22	2.19	TMECC 04.05-CA
Sodium (Na)	%	0.01	0.01	TMECC 04.05-NA
Iron (Fe)	%	0.33	0.59	TMECC 04.05-FE
Aluminum (Al)	%	0.28	0.50	TMECC 04.07-AL
Copper (Cu)	mg/kg	18	32	TMECC 04.05-CU
Manganese (Mn)	mg/kg	255	457	TMECC 04.05-MN

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

Report Approved By:   
Greg Neyman - Vice President / COO

Approval Date: 5/02/2017

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a&lgreatlakes  
LABORATORIES  
*Scientists who don't mind getting dirty.™*

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Zinc (Zn)	mg/kg	38	68	TMECC 04.05-ZN
pH	-	7.4		TMECC 04.11-A
Soluble Salts	dS/m	0.38		TMECC 04.10-A
Ash @ 550 C	%	45.01	80.76	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	10.72	19.24	TMECC 05.07-A
Total Organic Carbon (C)	%	5.36	9.62	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	10.6:1	10.6:1	TMECC 05.02-A

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Sample ID: COMPOST-15  
Lab Number: 91841

Date Sampled: 4/25/2017

Date Received: 4/28/2017

Date Reported: 5/2/2017

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	64.87		TMECC 03.09-A
Solids	%	35.13		TMECC 03.09-A
Total Nitrogen (N)	%	0.50	1.42	TMECC 04.02-D
Phosphorus (P)	%	0.18	0.52	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.42	1.19	TMECC 04.03-A
Potassium (K)	%	0.23	0.66	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.28	0.79	TMECC 04.04-A
Sulfur (S)	%	0.08	0.23	TMECC 04.05-S
Magnesium (Mg)	%	0.59	1.67	TMECC 04.05-MG
Calcium (Ca)	%	1.35	3.83	TMECC 04.05-CA
Sodium (Na)	%	0.01	0.02	TMECC 04.05-NA
Iron (Fe)	%	0.28	0.80	TMECC 04.05-FE
Aluminum (Al)	%	0.16	0.46	TMECC 04.07-AL
Copper (Cu)	mg/kg	15	42	TMECC 04.05-CU
Manganese (Mn)	mg/kg	175	498	TMECC 04.05-MN

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Zinc (Zn)	mg/kg	33	95	TMECC 04.05-ZN
pH	-	7.6		TMECC 04.11-A
Soluble Salts	dS/m	1.80		TMECC 04.10-A
Ash @ 550 C	%	22.75	64.76	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	12.38	35.24	TMECC 05.07-A
Total Organic Carbon (C)	%	6.19	17.62	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.4:1	12.4:1	TMECC 05.02-A