

Report Number  
F22187-6512  
Account Number  
25573



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

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



To: EMMET COUNTY DEPT PUBLIC WORKS  
STE G26  
200 DIVISION ST  
PETOSKEY, MI 49770-2465

Attn: ELISA SELTZER

Sample ID: EMMET COUNTY COMPOST SUMMER 2022  
Lab Number: 46020

Date Sampled: 7/5/2022

Date Received: 7/6/2022

Date Reported: 7/21/2022

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	39.26		TMECC 03.09-A
Solids	%	60.74		TMECC 03.09-A
Total Nitrogen (N)	%	0.50	0.82	TMECC 04.02-D
Phosphorus (P)	%	0.06	0.10	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.14	0.23	TMECC 04.03-A
Potassium (K)	%	0.13	0.22	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.16	0.26	TMECC 04.04-A
Magnesium (Mg)	%	0.30	0.50	TMECC 04.05-MG
Calcium (Ca)	%	1.90	3.13	TMECC 04.05-CA
pH	-	8.1		TMECC 04.11-A
Soluble Salts	dS/m	0.73		TMECC 04.10-A
Ash @ 550 C	%	46.10	75.90	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	14.64	24.10	TMECC 05.07-A
Total Organic Carbon (C)	%	7.32	12.05	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.7:1	14.7:1	TMECC 05.02-A

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

-COMPOST

Report Approved By:

Approval Date: 7/21/2022

David Henry - Agronomist / Technical Services - CCA

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A
Germination - Vigor	%	99		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	10.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.3		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		0.3	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.7	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		97.93	TMECC 02.02-B
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 Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		2.07	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		14.02	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		12.31	TMECC 02.02-B