

Report Number  
F22244-6513  
Account Number  
60095



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



To: MIDWEST MATERIAL MANAGEMENT  
270 N STATE ST  
PO BOX 729  
HAMPSHIRE, IL 60140-0729

For: MIDWEST MATERIAL MGMT  
1270 E BEECHER RD  
BRISTOL, IL 60512

Sample ID: MIDWEST MATERIAL MGMT  
Lab Number: 47611

Date Sampled: 8/31/2022  
Date Received: 9/1/2022  
Date Reported: 9/20/2022


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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	46.25		TMECC 03.09-A
Solids	%	53.75		TMECC 03.09-A
Total Nitrogen (N)	%	0.92	1.71	TMECC 04.02-D
Phosphorus (P)	%	0.13	0.24	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.30	0.55	TMECC 04.03-A
Potassium (K)	%	0.50	0.93	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.60	1.12	TMECC 04.04-A
Magnesium (Mg)	%	0.69	1.28	TMECC 04.05-MG
Calcium (Ca)	%	2.64	4.92	TMECC 04.05-CA
Arsenic	mg/kg	2.88	5.35	US EPA SW846-6020
Cadmium	mg/kg	0.74	1.38	US EPA SW846-6020
Chromium	mg/kg	13.6	25.3	US EPA SW846-6020
Copper	mg/kg	141	263	US EPA SW846-6010C
Mercury	mg/kg	0.243	0.452	US EPA SW846-6020
Molybdenum	mg/kg	8.0	14.8	US EPA SW846-6020

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

-COMPOST

Report Approved By:   
David Henry - Agronomist / Technical Services - CCA  
Approval Date: 9/20/2022

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Nickel	mg/kg	12.0	22.3	US EPA SW846-6020
Lead	mg/kg	19.0	35.3	US EPA SW846-6020
Selenium	mg/kg	1.22	2.27	US EPA SW846-6020
Zinc	mg/kg	773	1439	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.4		TMECC 04.11-A
Soluble Salts	dS/m	4.61		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Salmonella	MPN/4g dry		< 3	TMECC 07.02
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	30.76	57.22	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	22.99	42.78	TMECC 05.07-A
Total Organic Carbon (C)	%	11.50	21.39	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.5:1	12.5:1	TMECC 05.02-A
Inerts - Total	%		0.00	TMECC 02.02-C

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	16.7		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		0.4	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		94.11	TMECC 02.02-B
Retained on U.S. 3-inch Sieve	%		0.00	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. 3/4-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. 1/2-inch Sieve	%		0.00	TMECC 02.02-B

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Retained on U.S. 3/8-inch Sieve	%		5.89	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.68	TMECC 02.02-B