

Report Number
F20115-6515
Account Number
60095



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LABORATORIES
Scientists who don't mind getting dirty.™

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

To: MIDWEST MATERIAL MANAGEMENT
275 SOLA DR
GILBERTS, IL 60136-9003

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



Sample ID: MIDWEST MATERIAL MGMT
Lab Number: 24865

Date Sampled: 4/23/2020
Date Received: 4/24/2020
Date Reported: 5/7/2020

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	49.43		TMECC 03.09-A
Solids	%	50.57		TMECC 03.09-A
Total Nitrogen (N)	%	0.63	1.25	TMECC 04.02-D
Phosphorus (P)	%	0.10	0.19	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.22	0.44	TMECC 04.03-A
Potassium (K)	%	0.38	0.75	TMECC 04.04-A
Potash (K ₂ O)	%	0.46	0.90	TMECC 04.04-A
Magnesium (Mg)	%	0.78	1.55	TMECC 04.05-MG
Calcium (Ca)	%	2.41	4.76	TMECC 04.05-CA
Arsenic	mg/kg	3.21	6.34	US EPA SW846-6020
Cadmium	mg/kg	0.259	0.513	US EPA SW846-6020
Chromium	mg/kg	10.3	20.4	US EPA SW846-6020
Copper	mg/kg	22.0	43.5	US EPA SW846-6010C
Mercury	mg/kg	0.028	0.056	US EPA SW846-6020
Molybdenum	mg/kg	1.22	2.42	US EPA SW846-6020

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

-COMPOST

Report Approved By: 
Greg Neyman - Vice President / COO

Approval Date: 5/07/2020

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Nickel	mg/kg	7.5	14.9	US EPA SW846-6020
Lead	mg/kg	16.8	33.3	US EPA SW846-6020
Selenium	mg/kg	< 0.55	< 1.09	US EPA SW846-6020
Zinc	mg/kg	54	107	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.3		TMECC 04.11-A
Soluble Salts	dS/m	3.59		TMECC 04.10-A
Salmonella	MPN/4g dry		< 3	TMECC 07.02
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	32.50	64.26	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	18.07	35.74	TMECC 05.07-A
Total Organic Carbon (C)	%	9.04	17.87	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.3:1	14.3:1	TMECC 05.02-A
Foreign Material	%	0.02	0.03	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.0		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.7	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1.0	TMECC 05.08-B
Compost Stability Index	-		Stable	TMECC 05.08
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	%		11.05	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		25.22	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		26.09	TMECC 02.02-B

Comments:

MERCURY WAS ANALYZED BY EPA METHOD SW7471B.