

Report Number
F22004-6513
Account Number
99990



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



To: LUSH FARMS LLC
N 1475 CR M
WATERTOWN, WI 53098

Attn: ANTHONY ARBUCIAS

Purchase Order: 004-6513

Sample ID: ANTHONY ARBUCIAS
Lab Number: 41729

Date Received: 1/4/2022
Date Reported: 1/19/2022 Page: 1 of 3

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	52.78		TMECC 03.09-A
Solids	%	47.22		TMECC 03.09-A
Total Nitrogen (N)	%	0.79	1.68	TMECC 04.02-D
Phosphorus (P)	%	0.04	0.09	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.10	0.21	TMECC 04.03-A
Potassium (K)	%	0.16	0.34	TMECC 04.04-A
Potash (K ₂ O)	%	0.19	0.41	TMECC 04.04-A
Magnesium (Mg)	%	0.53	1.13	TMECC 04.05-MG
Calcium (Ca)	%	1.66	3.52	TMECC 04.05-CA
Arsenic	mg/kg	2.01	4.25	US EPA SW846-6020
Cadmium	mg/kg	< 0.233	< 0.494	US EPA SW846-6020
Chromium	mg/kg	5.4	11.5	US EPA SW846-6020
Copper	mg/kg	8.5	17.9	US EPA SW846-6010C
Mercury	mg/kg	< 0.276	< 0.584	US EPA SW846-6020
Molybdenum	mg/kg	1.93	4.08	US EPA SW846-6020

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

-COMPOST

Report Approved By:

Approval Date: 1/19/2022

Don Burgess - Agronomist / Technical Services - CPAG/CPSS/CCA

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Nickel	mg/kg	6.3	13.4	US EPA SW846-6020
Lead	mg/kg	6.8	14.3	US EPA SW846-6020
Selenium	mg/kg	1.41	2.99	US EPA SW846-6020
Zinc	mg/kg	18.3	38.8	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.1		TMECC 04.11-A
Soluble Salts	dS/m	2.12		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		20	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	%	24.49	51.86	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	22.73	48.14	TMECC 05.07-A
Total Organic Carbon (C)	%	11.37	24.07	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.3:1	14.3:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A

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Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	8.1		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.5		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1.6	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1.4	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	%		0.00	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		0.52	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		0.46	TMECC 02.02-B