

Report Number
F20113-6517
Account Number
84504



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



To: ARLINGTON SOLID WASTE BUREAU
4300 29TH ST S
ARLINGTON, VA 22206-2211

Attn: ERIK GRABOWSKY

Sample ID: WOOD MULCH
Lab Number: 24787

Date Received: 4/22/2020
Date Reported: 5/7/2020

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	39.51		TMECC 03.09-A
Solids	%	60.49		TMECC 03.09-A
Total Nitrogen (N)	%	0.42	0.70	TMECC 04.02-D
Nitrate Nitrogen (NO3-N)	mg/kg	1	1	TMECC 04.02-B
Phosphorus (P)	%	0.04	0.06	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.08	0.14	TMECC 04.03-A
Potassium (K)	%	0.24	0.40	TMECC 04.04-A
Potash (K ₂ O)	%	0.29	0.48	TMECC 04.04-A
Sulfur (S)	%	0.04	0.06	TMECC 04.05-S
Magnesium (Mg)	%	0.07	0.12	TMECC 04.05-MG
Calcium (Ca)	%	0.71	1.18	TMECC 04.05-CA
Sodium (Na)	%	0.01	0.01	TMECC 04.05-NA
Iron (Fe)	%	0.16	0.26	TMECC 04.05-FE
Aluminum (Al)	%	0.11	0.19	TMECC 04.07-AL
Boron (B)	mg/kg	8	13	TMECC 04.05-B

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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Manganese (Mn)	mg/kg	116	191	TMECC 04.05-MN
Arsenic	mg/kg	< 0.66	< 1.09	US EPA SW846-6020
Cadmium	mg/kg	< 0.272	< 0.449	US EPA SW846-6020
Chromium	mg/kg	3.25	5.37	US EPA SW846-6020
Copper	mg/kg	9.3	15.3	US EPA SW846-6010C
Mercury	mg/kg	0.013	0.021	US EPA SW846-6020
Molybdenum	mg/kg	0.86	1.42	US EPA SW846-6020
Nickel	mg/kg	1.88	3.10	US EPA SW846-6020
Lead	mg/kg	4.82	7.97	US EPA SW846-6020
Selenium	mg/kg	< 0.63	< 1.04	US EPA SW846-6020
Zinc	mg/kg	30.1	49.8	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.5		TMECC 04.11-A
Soluble Salts	dS/m	0.60		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		40	SM(20th)-9221E TMECC

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	4.79	7.92	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	55.70	92.08	TMECC 05.07-A
Total Organic Carbon (C)	%	27.85	46.04	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	65.8:1	65.8:1	TMECC 05.02-A
Bulk Density - As Received Basis	g/cm3	0.27		TMECC 03.01-A
Bulk Density - Dry Basis	g/cm3		0.16	TMECC 03.01-A
Pore Space %	%	86.87		TMECC 03.01-A
Free Airspace %	%	5.35		TMECC 03.01-A
Water Holding Capacity	%	81.52		TMECC 03.01-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	98		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	9.0		TMECC 05.05-A

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Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1.0	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		0.5	TMECC 05.08-B
Compost Stability Index	-		Very 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	%		3.23	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		15.06	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		15.85	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		16.27	TMECC 02.02-B

Comments:

MERCURY WAS ANALYZED BY EPA METHOD SW7471B.