

Report Number
F20352-6527
Account Number
63512



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

To: ANGELINA-NECHES RIVER AUTHOR.
2901 N JOHN REDDITT DR
LUFKIN, TX 75904-1628

For: STOCKPILE 285

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Sample ID: STOCKPILE 285
Lab Number: 31672

Date Sampled: 12/16/2020
Date Received: 12/17/2020
Date Reported: 1/11/2021

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	33.20		TMECC 03.09-A
Solids	%	66.80		TMECC 03.09-A
Total Nitrogen (N)	%	1.72	2.58	TMECC 04.02-D
Phosphorus (P)	%	0.86	1.29	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	1.98	2.95	TMECC 04.03-A
Potassium (K)	%	0.22	0.33	TMECC 04.04-A
Potash (K ₂ O)	%	0.26	0.40	TMECC 04.04-A
Magnesium (Mg)	%	0.17	0.26	TMECC 04.05-MG
Calcium (Ca)	%	1.41	2.11	TMECC 04.05-CA
Arsenic	mg/kg	3.75	5.61	US EPA SW846-6020
Cadmium	mg/kg	0.517	0.774	US EPA SW846-6020
Chromium	mg/kg	15.0	22.5	US EPA SW846-6020
Copper	mg/kg	149	223	US EPA SW846-6010C
Mercury	mg/kg	0.198	0.296	US EPA SW846-6020
Molybdenum	mg/kg	1.88	2.81	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 - Director of Green Industries

Approval Date: 1/11/2021

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LABORATORIES
Scientists who don't mind getting dirty.™

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	17.7	26.5	US EPA SW846-6020
Lead	mg/kg	12.9	19.3	US EPA SW846-6020
Selenium	mg/kg	1.60	2.39	US EPA SW846-6020
Zinc	mg/kg	451	675	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.9		TMECC 04.11-A
Soluble Salts	dS/m	4.50		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Organic Matter (LOI @ 550 C)	%	30.11	45.08	TMECC 05.07-A
Total Organic Carbon (C)	%	15.06	22.54	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	8.7:1	8.7:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	46		TMECC 05.05-A

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Ave Ht of Seedlings in Control	centimeters	10.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	3.0		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		2.8	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		2.6	TMECC 05.08-B
Compost Stability Index	-	Moderately Unstable		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	%		3.23	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		6.43	TMECC 02.02-B

Comments:

MERCURY WAS ANALYZED BY EPA METHOD SW7471B.