

Report Number
F16356-6012
Account Number
63512



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

To: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

For: STOCK PILE 262

COPY: AL RATTIE

STA

Attn: DALE BAILEY

Date Sampled: 12/20/2016

Date Received: 12/21/2016

Date Reported: 1/16/2017 Page: 1 of 3

Sample ID: STOCKPILE 262

Lab Number: 90158

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	42.99		TMECC 03.09-A
Solids	%	57.01		TMECC 03.09-A
Total Nitrogen (N)	%	0.64	1.13	TMECC 04.02-D
Phosphorus (P)	%	0.38	0.67	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.88	1.53	TMECC 04.03-A
Potassium (K)	%	0.08	0.14	TMECC 04.04-A
Potash (K ₂ O)	%	0.10	0.17	TMECC 04.04-A
Magnesium (Mg)	%	0.06	0.10	TMECC 04.05-MG
Calcium (Ca)	%	0.29	0.51	TMECC 04.05-CA
Arsenic	mg/kg	7.2	12.7	SW846-6020 04.06-As
Cadmium	mg/kg	0.164	0.288	SW846-6020 04.06-Cd
Chromium	mg/kg	8.8	15.5	SW846-6020 04.06-Cr
Copper	mg/kg	80	141	SW846-6020 04.06-Cu
Mercury	mg/kg	0.088	0.155	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.01	1.78	SW846-6020 04.06-Mo

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

Report Approved By: 
Greg Neyman - Vice President / COO

Approval Date: 1/16/2017

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	3.99	7.00	SW846-6020 04.06-Ni
Lead	mg/kg	7.1	12.4	SW846-6020 04.06-Pb
Selenium	mg/kg	0.60	1.06	SW846-6020 04.06-Se
Zinc	mg/kg	102	179	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.0		TMECC 04.11-A
Soluble Salts	dS/m	1.75		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)	%	25.67	45.02	TMECC 05.07-A
Total Organic Carbon (C)	%	12.83	22.51	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	19.9:1	19.9:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A
Germination - Vigor	%	80		TMECC 05.05-A

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Ave Ht of Seedlings in Control	centimeters	8.9		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	10.0		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1	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	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		0.93	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		3.24	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		6.43	TMECC 02.02-B