

Report Number
F22137-6510
Account Number
18215



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



To: RECYCLING & WASTE REDUCTION
RM 314
155 INDIANA AVE
VALPARAISO, IN 46383-5599

For: VALPO COMPOST SITE

Attn: STEVE DOLAK

Sample ID: VALPO
Lab Number: 44706

Date Sampled: 5/16/2022
Date Received: 5/17/2022
Date Reported: 6/1/2022

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	69.48		TMECC 03.09-A
Solids	%	30.52		TMECC 03.09-A
Total Nitrogen (N)	%	0.67	2.20	TMECC 04.02-D
Phosphorus (P)	%	0.07	0.24	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.17	0.55	TMECC 04.03-A
Potassium (K)	%	0.24	0.77	TMECC 04.04-A
Potash (K ₂ O)	%	0.28	0.92	TMECC 04.04-A
Magnesium (Mg)	%	0.41	1.35	TMECC 04.05-MG
Calcium (Ca)	%	1.64	5.38	TMECC 04.05-CA
Arsenic	mg/kg	0.46	1.50	US EPA SW846-6020
Cadmium	mg/kg	0.137	0.450	US EPA SW846-6020
Chromium	mg/kg	1.68	5.52	US EPA SW846-6020
Copper	mg/kg	6.0	19.8	US EPA SW846-6010C
Mercury	mg/kg	0.020	0.065	US EPA SW846-6020
Molybdenum	mg/kg	0.69	2.26	US EPA SW846-6020

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

-COMPOST

Report Approved By: 
David Henry - Agronomist / Technical Services - CCA
Approval Date: 6/01/2022

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Nickel	mg/kg	1.52	4.98	US EPA SW846-6020
Lead	mg/kg	2.73	8.96	US EPA SW846-6020
Selenium	mg/kg	0.144	0.472	US EPA SW846-6020
Zinc	mg/kg	26.6	87.0	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	8.1		TMECC 04.11-A
Soluble Salts	dS/m	1.97		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
Ash @ 550 C	%	7.19	23.56	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	23.33	76.44	TMECC 05.07-A
Total Organic Carbon (C)	%	11.66	38.22	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	17.4:1	17.4:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A

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Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.2		TMECC 05.05-A
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		0.4	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		92.38	TMECC 02.02-B
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	%		7.62	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		9.99	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.22	TMECC 02.02-B