

Report Number
F23138-6519
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

Attn: STEVE DOLAK

Sample ID: VALPO
Lab Number: 55595

Date Sampled: 5/17/2023
Date Received: 5/18/2023
Date Reported: 6/1/2023

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	67.79		TMECC 03.09-A
Solids	%	32.21		TMECC 03.09-A
Total Nitrogen (N)	%	0.72	2.22	TMECC 04.02-D
Phosphorus (P)	%	0.08	0.25	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.19	0.57	TMECC 04.03-A
Potassium (K)	%	0.28	0.86	TMECC 04.04-A
Potash (K ₂ O)	%	0.33	1.03	TMECC 04.04-A
Magnesium (Mg)	%	0.41	1.26	TMECC 04.05-MG
Calcium (Ca)	%	1.83	5.69	TMECC 04.05-CA
Arsenic	mg/kg	0.45	1.39	US EPA SW846-6020
Cadmium	mg/kg	0.109	0.339	US EPA SW846-6020
Chromium	mg/kg	2.25	6.99	US EPA SW846-6020
Copper	mg/kg	8.4	26.0	US EPA SW846-6010C
Mercury	mg/kg	0.022	0.069	US EPA SW846-6020
Molybdenum	mg/kg	0.59	1.83	US EPA SW846-6020

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

-COMPOST

Report Approved By: *Jamie J. Bultemeier* Approval Date: 6/01/2023
 Jamie Bultemeier - Agronomist / Technical Services - CPAg/CCA

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Nickel	mg/kg	6.0	18.7	US EPA SW846-6020
Lead	mg/kg	2.18	6.78	US EPA SW846-6020
Selenium	mg/kg	0.33	1.02	US EPA SW846-6020
Zinc	mg/kg	28.7	89.0	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	2.42		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	%	9.93	30.84	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	22.28	69.16	TMECC 05.07-A
Total Organic Carbon (C)	%	11.14	34.58	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	15.6:1	15.6:1	TMECC 05.02-A
Inerts - Total	%		0.00	TMECC 02.02-C
Foreign Material	%		0.00	TMECC 03.08-A

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Germination - Emergence	%	87		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	10.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.5		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.7	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		0.3	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		82.25	TMECC 02.02-B
Retained on U.S. 3-inch Sieve	%		0.00	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. 3/4-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. 1/2-inch Sieve	%		9.56	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		8.19	TMECC 02.02-B

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Retained on U.S. 1/4-inch Sieve	%		8.53	TMECC 02.02-B