

Report Number  
F16204-6011  
Account Number  
18215



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

To: RECYCLING & WASTE REDUCTION  
155 INDIANA AVE RM 314  
VALPARAISO, IN 46383-5502

For: CROCKER COMPOST SITE

Attn: STEVE DOLAK

Sample ID: CROCKER COMPOST  
Lab Number: 86420

Date Sampled: 7/21/2016  
Date Received: 7/22/2016  
Date Reported: 8/10/2016

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	65.62		TMECC 03.09-A
Solids	%	34.38		TMECC 03.09-A
Total Nitrogen (N)	%	0.67	1.96	TMECC 04.02-D
Phosphorus (P)	%	0.08	0.24	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.19	0.55	TMECC 04.03-A
Potassium (K)	%	0.17	0.49	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.20	0.59	TMECC 04.04-A
Magnesium (Mg)	%	0.43	1.26	TMECC 04.05-MG
Calcium (Ca)	%	1.98	5.77	TMECC 04.05-CA
Arsenic	mg/kg	0.78	2.28	SW846-6020 04.06-As
Cadmium	mg/kg	0.227	0.661	SW846-6020 04.06-Cd
Chromium	mg/kg	3.7	10.9	SW846-6020 04.06-Cr
Copper	mg/kg	6.7	19.5	SW846-6020 04.06-Cu
Mercury	mg/kg	<0.198	< 0.577	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.66	1.91	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: 8/10/2016

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Nickel	mg/kg	2.34	6.80	SW846-6020 04.06-Ni
Lead	mg/kg	4.3	12.4	SW846-6020 04.06-Pb
Selenium	mg/kg	<0.39	< 1.14	SW846-6020 04.06-Se
Zinc	mg/kg	35	102	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.3		TMECC 04.11-A
Soluble Salts	dS/m	1.37		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		70	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	14.46	42.06	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	19.92	57.94	TMECC 05.07-A
Total Organic Carbon (C)	%	9.96	28.97	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.8:1	14.8:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A

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Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	7.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.4		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		1	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -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	%		4.43	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		14.02	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		14.22	TMECC 02.02-B