

Danf

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



Date: 10/12/2017

Statement of Conformance to Wisconsin DNR S100 Compost Specification

REPORT NO: F17251-6010
ACCOUNT NO: 15012
CIRCLE B, INC.
6402 LOFTUS RD
DEFOREST, WI 53532

RE: CIRCLE B TEST #4

Lab Number	94252
Sample ID:	CIRCLE B
Date Sampled:	Not Provided
Date Received:	09/08/2017
Date Reported:	10/12/2017

PARAMETER	SPECIFICATION	RESULT
Particle Size	98% through 0.75" screen	Pass
Physical Contaminants	<1% combined glass, metal and plastic	Pass
Organic Matter/Ash Content	At least 40% OM; less than 60% Ash Content	Pass
pH	Between 6 and 8	Pass
Soluble Salts	<10 dS m ⁻¹	Pass
Moisture Content	Between 35% and 50% by weight	Pass
Maturity	Resistant to further decomposition	Pass
Residual Seeds & Pathogens		Pass
Pathogens	Meet Class A requirements of NR 204.07(6)(a)	Pass
Metals	Meet requirements of NR 204.07(5)(c) WI code	Pass

The analyses listed above as "Pass" which were conducted by A&L Great Lakes Laboratories, Inc. conform to Wisconsin Department of Natural Resources Specification S100 Compost standard.

Gregory T. Neyman, Vice-President / COO

Date: 10/12/2017

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Scientists who don't mind getting dirty.™

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To: CIRCLE B INC.
6402 LOFTUS RD
DEFOREST, WI 53532

For: TEST #4
S-100 WI DNR

Attn: LYLE BUCHNER

Sample ID: CIRCLE B
Lab Number: 94252

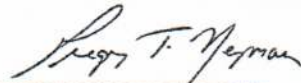
Date Received: 9/8/2017
Date Reported: 10/12/2017 Page: 1 of 3

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	48.65		TMECC 03.09-A
Solids	%	51.35		TMECC 03.09-A
Total Nitrogen (N)	%	0.84	1.64	TMECC 04.02-D
Ammonium Nitrogen (NH4-N)	mg/kg	3	5	TMECC 04.02-C
Arsenic	mg/kg	1.37	2.67	US EPA SW846-6020 04.06-
Cadmium	mg/kg	<0.253	< 0.492	US EPA SW846-6020 04.06-
Chromium	mg/kg	6.5	12.6	US EPA SW846-6020 04.06-
Copper	mg/kg	11.7	22.7	US EPA SW846-6020 04.06-
Mercury	mg/kg	<0.298	< 0.581	US EPA SW846-6020 04.06-
Molybdenum	mg/kg	0.62	1.20	US EPA SW846-6020 04.06-
Nickel	mg/kg	3.89	7.57	US EPA SW846-6020 04.06-Ni
Lead	mg/kg	11.2	21.7	US EPA SW846-6020 04.06-
Selenium	mg/kg	0.79	1.54	US EPA SW846-6020 04.06-
Zinc	mg/kg	45.7	89.0	US EPA SW846-6020 04.06-
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits

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: 10/24/2017

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Date Received: 9/8/2017
Date Reported: 10/12/2017 Page: 2 of 3

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	1.25		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	%	27.04	52.66	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	24.31	47.34	TMECC 05.07-A
Total Organic Carbon (C)	%	12.15	23.67	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.4:1	14.4:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	80		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	10.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.8		TMECC 05.05-A
Weed Seed Germination	weeds / 4000 cu.cm	0		TMECC 05.09-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1	TMECC 05.08-B

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
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
Passing U.S. 3/4-inch Sieve	%		100.00	TMECC 02.02-B

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