

REPORT NO.  
F11139-6004  
ACCOUNT NUMBER  
13568

# A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274  
www.algreatlakes.com • lab@algreatlakes.com



QUALITY ANALYSES FOR INFORMED DECISIONS

TO: C & C PEAT COMPANY, INC.  
1650 COUNTY ROAD 470  
OKAHUMPKA, FL 34762-3402

COPY: AL RATTIE

STA

ATTN: MICHAEL WOLFE

## COMPOST ANALYSIS REPORT

LAB NUMBER: 54996

SAMPLE ID: C&C PEAT COMPOST

DATE RECEIVED: 05/19/2011

DATE REPORTED: 06/24/2011 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	62.87		TMECC 03.09-A
Dry Matter	%	37.13		TMECC 03.09-A
Total Nitrogen (N)	%	0.37	1.00	TMECC 04.02-D
Phosphorus (P)	%	0.18	0.48	TMECC 04.03-A
Phosphate (P205)	%	0.41	1.10	TMECC 04.03-A
Potassium (K)	%	0.30	0.80	TMECC 04.04-A
Potash (K2O)	%	0.36	0.96	TMECC 04.04-A
Magnesium (Mg)	%	0.06	0.16	TMECC 04.05-MG
Calcium (Ca)	%	0.39	1.06	TMECC 04.05-CA
Arsenic	mg/kg	0.313	0.844	SW846-6020 04.06-As
Cadmium	mg/kg	0.133	0.358	SW846-6020 04.06-Cd
Chromium	mg/kg	3.01	8.11	SW846-6020 04.06-Cr
Copper	mg/kg	54.54	146.90	SW846-6020 04.06-Cu

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

Report Approved By:

Lois K. Parker - President

Approval Date: 6/24/2011

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg		< 0.59	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.05	5.52	SW846-6020 04.06-Mo
Nickel	mg/kg	1.15	3.09	SW846-6020 04.06-Ni
Lead	mg/kg	1.55	4.18	SW846-6020 04.06-Pb
Selenium	mg/kg	0.74	2.00	SW846-6020 04.06-Se
Zinc	mg/kg	70.5	190.1	SW846-6020 04.06-Zn
pH	-	6.8		TMECC 04.11-A
Soluble Salts	dS/m	2.89		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	29.99	80.78	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	15.00	40.39	Estimated
Carbon:Nitrogen Ratio (C:N)	-	40.1:1	40.1:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Germination - Vigor	%	85		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	5.1		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	5.2		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	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		0.70	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		2.35	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		4.83	TMECC 02.02-B