

REPORT NO.  
F10349-6008  
ACCOUNT NUMBER  
52501

# 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: LOUDOUN COMPOSTING, LLC  
44150 WADE DR  
CHANTILLY, VA 20152-1347

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

LAB NUMBER: 53666  
SAMPLE ID: XXB3

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 12/14/2010

DATE RECEIVED: 12/15/2010

DATE REPORTED: 01/10/2011

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	54.89		TMECC 03.09-A
Dry Matter	%	45.11		TMECC 03.09-A
Total Nitrogen (N)	%	0.71	1.57	TMECC 04.02-D
Phosphorus (P)	%	0.09	0.21	TMECC 04.03-A
Phosphate (P205)	%	0.22	0.48	TMECC 04.03-A
Potassium (K)	%	0.51	1.14	TMECC 04.04-A
Potash (K2O)	%	0.62	1.37	TMECC 04.04-A
Magnesium (Mg)	%	0.22	0.49	TMECC 04.05-MG
Calcium (Ca)	%	1.00	2.22	TMECC 04.05-CA
Iron (Fe)	%	0.49	1.08	TMECC 04.05-FE
Arsenic	mg/kg	3.020	6.695	SW846-6020 04.06-As
Cadmium	mg/kg	0.178	0.394	SW846-6020 04.06-Cd
Chromium	mg/kg	9.167	20.321	SW846-6020 04.06-Cr
Copper	mg/kg	30.956	68.624	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.001	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.392	0.868	SW846-6020 04.06-Mo
Nickel	mg/kg	4.267	9.458	SW846-6020 04.06-Ni

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Lead	mg/kg	5.209	11.547	SW846-6020 04.06-Pb
Selenium	mg/kg		< 0.001	SW846-6020 04.06-Se
Zinc	mg/kg	54.877	121.652	SW846-6020 04.06-Zn
pH	-	7.6		TMECC 04.11-A
Soluble Salts	dS/m	2.43		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		230	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	24.53	54.37	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	12.27	27.19	Estimated
Carbon:Nitrogen Ratio (C:N)	-	17.3:1	17.3:1	TMECC 05.02-A
Germination - Emergence	%	92		TMECC 05.05-A
Germination - Vigor	%	42		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.7		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

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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	%		1.40	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		10.52	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.95	TMECC 02.02-B