

REPORT NO.  
F04141-6009  
ACCOUNT NUMBER  
52501

# A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274  
www.algreatlakes.com • lab@algreatlakes.com



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

COPY: AL RATTIE

STA

ATTN: TIM HUTCHINSON

## COMPOST ANALYSIS REPORT

LAB NUMBER: 24296  
SAMPLE ID: PILE II B

DATE RECEIVED: 05/20/2004  
DATE REPORTED: 06/07/2004 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	33.00		TMECC 03.09-A
Dry Matter	%	67.00		TMECC 03.09-A
Total Nitrogen (N)	%	0.92	1.37	TMECC 04.02-D
Phosphorus (P)	%	0.15	0.22	TMECC 04.03-A
Phosphate (P205)	%	0.34	0.51	TMECC 04.03-A
Potassium (K)	%	0.33	0.49	TMECC 04.04-A
Potash (K2O)	%	0.39	0.59	TMECC 04.04-A
Magnesium (Mg)	%	0.34	0.50	TMECC 04.05-MG
Calcium (Ca)	%	1.72	2.56	TMECC 04.05-CA
Arsenic	milligrams/kilogram	3.66	5.47	SW846-7061A 04.06-As
Cadmium	milligrams/kilogram	1.72	2.56	SW846-6010B 04.06-Cd
Copper	milligrams/kilogram	31.7	47.3	SW846-6010B 04.06-Cu
Mercury	milligrams/kilogram	0.08	0.12	SW846-7471A 04.06-Hg
Molybdenum	milligrams/kilogram	<0.07	<0.10	SW846-6010B
Nickel	milligrams/kilogram	18.75	27.99	SW846-6010B 04.06-Ni
Lead	milligrams/kilogram	14.7	22.0	SW846-6010B 04.06-Pb
Selenium	milligrams/kilogram	0.19	0.29	SW846-7741A 04.06-Se

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Zinc	milligrams/kilogram	96.5	144.1	SW846-6010B 04.06-Zn
pH	-	7.7		TMECC 04.11-A
Soluble Salts	dS/m	0.95		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	22.87	34.14	TMECC 05.07-A
Germination - Emergence	%	100		TMECC 05.05-B
Germination - Vigor	%	54		TMECC 05.05-B
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	%		14.71	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		8.93	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		4.57	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		5.04	TMECC 02.02-B