

REPORT NO.  
F05019-6002  
ACCOUNT NUMBER  
63512

# 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: ANGELINA-NECHES RIVER AUTHOR.  
PO BOX 387  
LUFKIN, TX 75902-0387

COPY: AL RATTIE

STA

ATTN: JON CHEATHAM

## COMPOST ANALYSIS REPORT

LAB NUMBER: 25995

SAMPLE ID: BIO-SOLID COMPOST

DATE RECEIVED: 01/19/2005

DATE REPORTED: 02/02/2005 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	40.55		TMECC 03.09-A
Dry Matter	%	59.45		TMECC 03.09-A
Total Nitrogen (N)	%	1.31	2.21	TMECC 04.02-D
Phosphorus (P)	%	0.83	1.39	TMECC 04.03-A
Phosphate (P205)	%	1.90	3.20	TMECC 04.03-A
Potassium (K)	%	0.12	0.20	TMECC 04.04-A
Potash (K2O)	%	0.14	0.24	TMECC 04.04-A
Magnesium (Mg)	%	0.10	0.17	TMECC 04.05-MG
Calcium (Ca)	%	0.99	1.67	TMECC 04.05-CA
Arsenic	mg/kg	11.055	18.596	SW846-6020 04.06-As
Cadmium	mg/kg	1.02	1.72	SW846-6020 04.06-Cd
Chromium	mg/kg	20.25	34.07	SW846-6020 04.06-Cr
Copper	mg/kg	122.87	206.67	SW846-6020 04.06-Cu
Mercury	mg/kg	0.56	0.94	SW846-6020 04.06-Hg
Molybdenum	mg/kg	10.11	17.00	SW846-6020 04.06-Mo
Nickel	mg/kg	7.56	12.71	SW846-6020 04.06-Ni
Lead	mg/kg	24.67	41.50	SW846-6020 04.06-Pb

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Selenium	mg/kg	0.714	1.201	SW846-6020 04.06-Se
Zinc	mg/kg	308.21	518.44	SW846-6020 04.06-Zn
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	1.44		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	32.36	54.44	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.18	27.22	Estimated
Carbon:Nitrogen Ratio (C:N)	-	12.3:1	12.3:1	TMECC 05.02-A
Germination - Emergence	%	99		TMECC 05.05-B
Germination - Vigor	%	19		TMECC 05.05-B
Ave Ht of Germination Control	inches	3.8		TMECC 05.05-B
Ave Ht of Seedlings in Compost	inches	3.4		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

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Retained on U.S. 5/8-inch	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		4.73	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		11.96	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		11.76	TMECC 02.02-B