





13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

Lab #	Report of Analysis		Report Number:	
70774916	<b>Account:</b> 43761	COMPOST TECHNOLOGIES LLC COMPOST TECHNOLOGIES LLC 48414 COUNTY RD B CENTER CO 81125	 Robert Ferris Account Manager 402-829-9871	
	<b>Date Sampled:</b> <b>Date Received:</b> <b>Sample ID:</b>	2026-03-20 SPRING 2026 ALL COMPOST LINES		
Total content, lbs per ton (as rec'd)				
<b>NUTRIENTS</b>				
Nitrogen				
Total Nitrogen	%	1.35	1.65	27.0
Organic Nitrogen	%	0.99	1.21	19.8
Ammonium Nitrogen	%	0.342	0.418	6.8
Nitrate Nitrogen	%	0.02	0.02	0.4
Major and Secondary Nutrients				
Phosphorus	%	0.58	0.71	11.6
Phosphorus as P2O5	%	1.33	1.63	26.6
Potassium	%	1.73	2.12	34.6
Potassium as K2O	%	2.08	2.54	41.6
Sulfur	%	0.98	1.20	19.6
Calcium	%	3.84	4.70	76.8
Magnesium	%	0.81	0.99	16.2
Sodium	%	0.480	0.587	9.6
Micronutrients				
Iron	ppm	21100	25817	42.2
Manganese	ppm	570	697	1.1
Boron	ppm	< 100	----	----
<b>OTHER PROPERTIES</b>				
Moisture	%	18.27		
Total Solids	%	81.73		1634.6
Organic Matter	%	26.60	32.55	532.0
Ash	%	54.80	67.05	1096.0
Total Carbon	%	12.82	15.69	
Chloride	%	0.69	0.84	
pH		8.0		
Conductivity 1:5 (Soluble Salts)	mS/cm	8.31		

13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

Lab #	70774916	<b>Biological &amp; Physical Properties</b>			Report Number:							
<b>Account:</b>	43761	COMPOST TECHNOLOGIES LLC COMPOST TECHNOLOGIES LLC 48414 COUNTY RD B CENTER CO 81125			  Robert Ferris Client Service Representative 402-829-9871							
<b>Date Sampled:</b>												
<b>Date Received:</b>	2026-03-20	2026-03-20 SPRING 2026 ALL COMPOST LINES			COMPOST PLUS PKG							
<b>Sample ID:</b>												
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%;">Analysis (as rec'd)</th> <th style="width: 15%;">Analysis (dry weight)</th> <th style="width: 10%;">Units</th> <th style="width: 10%;">Detection Limit</th> <th style="width: 15%;">Method</th> </tr> </thead> </table>								Analysis (as rec'd)	Analysis (dry weight)	Units	Detection Limit	Method
	Analysis (as rec'd)	Analysis (dry weight)	Units	Detection Limit	Method							
<b>Biological Properties</b>												
CO <sub>2</sub> OM Evolution	1.97		mgCO <sub>2</sub> -C/gOM/day	0.01	TMECC 05.08B							
CO <sub>2</sub> Solids Evolution	1.4		mgCO <sub>2</sub> -C/gTS/day	0.01	TMECC 05.08B							
Fecal Coliform		3	mpn/g	0.2	EPA 1681							
Salmonella		< 1.2	mpn/4g	1.2	TMECC 07.02							
Stability Rating	Stable		N/A	N/A	TMECC 05.08B							
<b>Physical Properties</b>												
Bulk Density (Compost)	1297		lbs/cu yard	1	TMECC 03.01A							
Film Plastics	n.d.		%	0.1	TMECC 03.08							
Glass Fragments	n.d.		%	0.1	TMECC 03.08							
Hard Plastics	n.d.		%	0.1	TMECC 03.08							
Metal Fragment	n.d.		%	0.1	TMECC 03.08							
Sharps	Absent		---	0.1	TMECC 03.08							
Max. Particle Length		1.0	inches	N/A	TMECC Sieve							
Sieve % Passing 3"		100	%	0.01	TMECC Sieve							
Sieve % Passing 2"		100	%	0.01	TMECC Sieve							
Sieve % Passing 1.5"		100	%	0.01	TMECC Sieve							
Sieve % Passing 1"		100	%	0.01	TMECC Sieve							
Sieve % Passing 3/4"		100	%	0.01	TMECC Sieve							
Sieve % Passing 5/8"		100	%	0.01	TMECC Sieve							
Sieve % Passing 3/8"		99	%	0.01	TMECC Sieve							
Sieve % Passing 1/4"		95	%	0.01	TMECC Sieve							

Compost Results Interpretations  
Page 1

Report #: 0  
DATE RECEIVED: 2026-03-20

Organic Matter %		Greater than 20% indicates a desirable range for compost on a dry weight basis.
26.60	As Received	
32.55	Dry Weight	

Compost is a significant source of Organic Matter, which is an important supplier of carbon. Organic Matter improves soil and plant efficiency by improving soil physical properties, providing a source of energy to beneficial organisms, and enhancing the reservoir of soil nutrients.

C/N Ratio		20-30 indicates an ideal range for the initial compost process. 10-20 indicates an ideal range for a finished compost.
9.5:1		

All organic matter is made up of substantial amounts of carbon with lesser amounts of nitrogen. The balance of these two elements is called the Carbon/Nitrogen Ratio. For the best performance, the compost pile requires the correct proportion of carbon for energy and nitrogen for protein production. If the C:N ratio is too high (excess carbon) decomposition slows down. If the C:N ratio is too low (excess Nitrogen) the compost pile could be difficult to manage.

Moisture %		<35% = Indicates overly dry compost  >55% = Indicates overly wet compost
18.27		

Moisture Percent is the measure of water present in the compost and expressed as a percentage of total weight. Moisture present affects handling and transport. Overly dry will be light and dusty while overly wet will be heavy and clumpy. A desirable moisture content of finished compost will range between 40 to 50%.

Compost Results Interpretations

Page 2

Report #:

0

DATE RECEIVED:

2026-03-20

Conductivity or Soluble Salts measures the conductance of electrical current in a liquid compost slurry. Excessive soluble salt content in a compost can prevent or delay seed germination and proper root growth. Conductivity analysis is done on a 1:5 basis.

Conductivity 1:5
8.3

Conductivity Level	Interpretation
Greater than 10	Very High nutrient content. Use for Ag Applications
5 - 10	High nutrient content. Use for Ag Applications
3 - 5	Higher than desirable for salt sensitive plants, some loss of vigor
0.6 - 3	Desirable range for most plants
0.3 - 0.6	Ideal range for greenhouse growth media
0.0 - 0.3	Very Low: Indicates very low nutrient status: plants may show deficiencies.

Compost Results Interpretations  
Page 3

Report #: 0  
DATE RECEIVED: 2026-03-20

**pH Value**  
8.0

0 to 14 scale with 6 to 8 as normal pH levels for compost  
A pH in the 6 to 8 pH range indicates a more mature compost

pH measures the acidity or alkalinity of the compost, and is a measurement of the hydrogen ion activity of a soil or compost on a logarithmic scale. The pH scale ranges from 0 to 14 and 7 indicates a neutral pH. Growing media with a higher pH or pH greater than 7 can benefit from a compost that has a more acidic pH or pH below 7. This type of application will possibly lower the soil pH making the soil more conducive to plants that thrive in a more acidic soil condition.

**Nutrient Index (Ag Index)**  
4.1

The Nutrient Index normally runs between 1 and 10.

The Nutrient Index is obtained by dividing the total nutrients (N,P,K) by the amount of salt (Sodium and Chloride). The higher the Nutrient Index the less chance of having a toxic buildup of Sodium (salt) in the soil.

AG INDEX CHART										
<i>salt injury possible</i>	<i>use on soils with excellent drainage characteristics, good water quality and low salts</i>				<i>you may use on soils with poor drainage, poor water quality, or high salts</i>					<i>for all soils</i>
1	2	3	4	5	6	7	8	9	10	> 10

**Nutrients (N+P205+K20)**  
5.82 Average Nutrient Content Dry Weight <2 = Low, >5 = High  
1.5-1.5-2 Rating As Received

The most commonly used compost data is the amount of Nitrogen, Phosphate, and Potash (abbreviated as N,P,K) present and the information is similar to that found in common fertilizers. If a compost result has the rating 1-2-2 it means that the compost has 1% Nitrogen, 2% Phosphate and 2% Potash. Most compost tests will have a average nutrient level (N+P+K) of < 5%.



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770  
www.midwestlabs.com

COMPOST TECHNOLOGIES LLC  
COMPOST TECHNOLOGIES LLC  
48414 COUNTY RD B  
CENTER CO 81125

REPORT OF ANALYSIS  
For: (43761) COMPOST TECHNOLOGIES LLC  
COMPOST PLUS PKG

Analysis	Level Found		Reporting			Analyst- Date	Verified- Date
	As Received	Dry Weight	Units	Limit	Method		

Sample ID: **SPRING 2026 ALL COMPOST LINES** Lab Number: **70774916**

Cadmium (total)	0.52	0.64	mg/kg	0.20	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Chromium (total)	13.8	16.9	mg/kg	1.00	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Mercury (total)	< 0.05	< 0.05	mg/kg	0.05	EPA 7471	Mab7-2026/03/30	ras7-2026/03/30
Lead (total)	10.5	12.8	mg/kg	5.0	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Molybdenum (total)	2.6	3.2	mg/kg	1.0	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Nickel (total)	12.5	15.3	mg/kg	1.0	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Selenium (total)	< 10.0	< 10.0	mg/kg	10.0	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Zinc (total)	182.4	223.2	mg/kg	2.0	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Copper (total)	37.8	46.3	mg/kg	1	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Arsenic (total)	17.2	21.1	mg/kg	0.5	EPA 6020	nt07-2026/03/24	ras7-2026/03/30
Cobalt (total)	4.76	5.82	mg/kg	1.00	EPA 6010	erw9-2026/03/23	ras7-2026/03/30
Listeria	negative		org/30g	1		Kkb0-2026/03/28	smb8-2026/03/30

Real-Time PCR Assay: A0ACR1 121402/ANOR QUA 18/10/19

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

# Partial

REPORT DATE

SEND TO  
43761

RECEIVED DATE  
Mar 20, 2026



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770  
www.midwestlabs.com

ISSUE DATE  
Apr 08, 2026

COMPOST TECHNOLOGIES LLC  
COMPOST TECHNOLOGIES LLC  
48414 COUNTY RD B  
CENTER CO 81125

REPORT OF ANALYSIS  
For: (43761) COMPOST TECHNOLOGIES LLC  
COMPOST PLUS PKG

Analysis	Level Found		Reporting		Method	Analyst- Date	Verified- Date
	As Received	Dry Weight	Units	Limit			

This is a partial report. Results are preliminary and may not have been properly reviewed.  
\*\*\* = Analysis in Progress. ppm = parts per million, mg/kg, ppm = mg/L

For questions please contact:

  
Rob Ferris  
Account Manager  
rferris@midwestlabs.com (402)829-9871

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.