
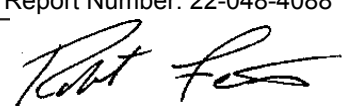




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Lab #	70063946	Report of Analysis		Report Number: 22-048-4088
Account: 48715	Florida Organic Solutions Florida Organic Solutions 6727 CR 579 Seffner FL 33584		 Robert Ferris Account Manager 402-829-9871	
Date Sampled: Date Received: Sample ID:	2022-02-02 2022-02-04 OMRI COMPOST			
			OMRI COMPOST	
			Total content, lbs per ton (as rec'd)	
			Analysis (as rec'd)	Analysis (dry weight)
NUTRIENTS				
Nitrogen				
Total Nitrogen	%	0.48	0.91	9.6
Organic Nitrogen	%	0.47	0.89	9.4
Ammonium Nitrogen	%	0.012	0.023	0.2
Nitrate Nitrogen	%	< 0.01	----	----
Major and Secondary Nutrients				
Phosphorus	%	0.11	0.21	2.2
Phosphorus as P2O5	%	0.25	0.48	5.0
Potassium	%	0.20	0.38	4.0
Potassium as K2O	%	0.24	0.46	4.8
Sulfur	%	0.07	0.13	1.4
Calcium	%	2.20	4.18	44.0
Magnesium	%	0.13	0.25	2.6
Sodium	%	0.050	0.095	1.0
Micronutrients				
Iron	ppm	989	1881	2.0
Manganese	ppm	37.9	72	----
Boron	ppm	< 100	----	----
OTHER PROPERTIES				
Moisture	%	47.41		
Total Solids	%	52.59		1051.8
Organic Matter	%	27.60	52.48	552.0
Ash	%	24.80	47.16	496.0
Total Carbon	%	10.85	20.63	
Chloride	%	0.06	0.11	
pH		8.2		
Conductivity 1:5 (Soluble Salts)	mS/cm	2.25		

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Lab #	70063946	Biological & Physical Properties	Report Number: 22-048-4088																																																																																																																																																														
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Compost Results Interpretations
Page 1

Report #: 22-048-4088
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Organic Matter %		Greater than 20% indicates a desirable range for compost on a dry weight basis.
27.60	As Received	
52.48	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.
22.6:1		

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
47.41		

>55% = Indicates overly wet compost

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 #:	22-048-4088
DATE RECEIVED:	2022-02-04

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
2.3

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 #: 22-048-4088
DATE RECEIVED: 2022-02-04

pH Value

8.2

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)

8.8

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+P2O5+K2O)

1.84	Average Nutrient Content Dry Weight	<2 = Low, >5 = High
0.5-0.5-0	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%.

22-048-4088

REPORT DATE
Feb 17, 2022
 RECEIVED DATE
Feb 04, 2022

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48715



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 www.midwestlabs.com

ISSUE DATE
Feb 17, 2022

Florida Organic Solutions
6727 CR 579
Seffner FL 33584

REPORT OF ANALYSIS
 For: (48715) Florida Organic Solutions
 OMRI COMPOST

Analysis	Level Found		Reporting			Analyst- Date	Verified- Date
	As Received	Dry Weight	Units	Limit	Method		
Sample ID: OMRI COMPOST Lab Number: 70063946 Date Sampled: 2022-02-02 1200							
Cadmium (total)	< 0.50	< 0.50	mg/kg	0.50	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Chromium (total)	4.76	9.05	mg/kg	1.00	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Mercury (total)	< 0.05	< 0.05	mg/kg	0.05	EPA 7471	mrs3-2022/02/11	kkh9-2022/02/11
Lead (total)	< 5.0	5.8	mg/kg	5.0	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Molybdenum (total)	< 1.0	< 1.0	mg/kg	1.0	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Nickel (total)	1.2	2.3	mg/kg	1.0	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Selenium (total)	< 10.0	< 10.0	mg/kg	10.0	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Zinc (total)	22.7	43.1	mg/kg	2.0	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Copper (total)	7.4	14.0	mg/kg	1	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11
Arsenic (total)	0.64	1.21	mg/kg	0.5	EPA 6020	ras7-2022/02/10	kkh9-2022/02/11
Cobalt (total)	< 1.00	< 1.00	mg/kg	1.00	EPA 6010	ery3-2022/02/07	kkh9-2022/02/11

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

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ISSUE DATE
Feb 17, 2022

Florida Organic Solutions
6727 CR 579
Seffner FL 33584

REPORT OF ANALYSIS
For: (48715) Florida Organic Solutions
OMRI COMPOST

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

EPA 1681 holding time of < 24 hours from sampling to laboratory set up of samples for biosolids and compost has been exceeded. Individual states enforce different holding times for compost or biosolids so please contact the regulatory body in your state for their requirements.
ppm = parts per million, ppm = mg/kg

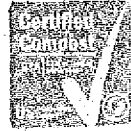
For questions please contact:

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

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Act # 48715



OFFICIAL Seal of Testing Assurance
Compost Sample Chain of Custody Form

B.S.C.
 H.B.



70063946-946
 Samples: Page: 1 1/2
 Ashley Voleika
 2022 02 04 10:12

STA Laboratory: Midwest Labs Tel: 402-334-7770 Address: 13611 B Street FAX: 402-334-9121 City, State, Zip code: Omaha, Nebraska 68144 Email: rferris@midwestlabs.com		LABORATORY USE ONLY Storage Locations Freezer _____ Cold Room _____ Storage Shelf _____ Sample Condition: _____ Temperature: _____ Malodor: _____ Moisture: _____							
Client/Reporting Company: Veransa- Florida Organic Solutions Tel: 813-628-0600 Contact Name: Gracie O'Neal FAX: _____ Billing Address: 3025 Whitfield Rd. Email: AP@flaorganic.com City, State Zip code: Sarasota, FL 34243 goneal@flaorganic.com		Sample Type: <input type="radio"/> POINT <input checked="" type="radio"/> COMPOSITE <input type="radio"/> STRATIFIED <input type="radio"/> INTERVAL P.O. Number: _____ USCC: <input checked="" type="radio"/> YES <input type="radio"/> NO Member: _____							
Send Results to: Florida Organic Solutions City, State Zip code: 6727 County Rd. 579, Seffner, FL 33584		SELECTION OF ANALYSIS. Refer to http://www.tmecc.org/cap/methods.html for details. STA Suite; State DOT Tests (indicate State); A, B, C - Specify other tests in fields A through C. (e.g., tests required for regulated samples, etc.). NOTE! STA analytical results via the STA Compost Technical Data Sheet and this Chain of Custody form are submitted to STA program management.							
Name or Source of Sample(s): OMRI Compost Name of Person(s), Sample Collector(s): Daniel Hage, Gracie O'Neal		A	B	C					
Client Sample ID and Special Instructions 1. List Feedstocks 2. Check all that apply 3. List % by volume.	7.5% Green Waste _____ Leaves _____ Food Scraps _____ Manures _____ Biosolids _____ Animal Mortality _____ Fish Waste	Collection Date/Time Date: _____ Time: _____	Sample Matrix Compost <input checked="" type="radio"/> Erosion Control Compost <input type="radio"/>	Composting Operation Type Windrow <input checked="" type="radio"/> In-Vessel <input type="radio"/>	Shipping Temperature Dry Ice <input type="radio"/> Double-Packaged Wet Ice <input checked="" type="radio"/>	Indicate Compost Analysis Requirements (*identify state) STA Suite State DOT Identify State A B C			LAB USE ONLY Job Number & Sample Status
		Crop Residue Industrial By-product	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____		

70063946

INFORM THE STA LABORATORY AND SPECIFY THE REQUIRED LABORATORY TESTS WHEN SUBMITTING REGULATED COMPOST SAMPLES (please use spaces A, B and C provided above).

PLEASE PROVIDE SPECIFIC FEEDSTOCK AND OPERATIONAL DETAIL IN THE SPACE PROVIDED.
 YOUR VOLUNTEERED INFORMATION PROVIDES CCREP STANDARDS AND PRACTICES COMMITTEE WITH CRUTIAL DATA NEEDED TO BETTER UNDERSTAND THE COMPOSTING PROCESS AND COMPOST END USES.

				Date		
Releasing Signature 1	Date	Time	Receiving Signature 1	Date	Time	
Releasing Signature 2	Date	Time	Receiving Signature 2	Date	Time	
Releasing Signature 3	Date	Time	Receiving Signature 3	Date	Time	
Releasing Signature 4	Date	Time	Receiving Signature 4	Date	Time	



70063946-946
 Samples: 1 Page: 2/2
 Ashley Valerka
 2022 02 04 10:12