



# US Composting Council

## Seal of Testing Assurance®

Ulster County Resource Recovery Agency

Product – **Grow Ulster Green Compost**, Tested once every three months

[www.ucrra.org](http://www.ucrra.org)

999 Flatbush Road

Kingston, New York 12401

Contact – Angelina Peone

[apeo@ucrra.org](mailto:apeo@ucrra.org)

(845) 336-0600

Sample Date: 20220330 FinishedScreenedCompost 03\_25\_2022

## Compost Technical Data Sheet

Compost Parameters	Reported as	Test Results
pH		8.4
Soluble salts	dS/m (mmhos/cm)	2.87
Primary plant nutrients	%, dry weight basis	
Nitrogen	Total N	1.46
Phosphorus	P <sub>2</sub> O <sub>5</sub>	0.71
Potassium	K <sub>2</sub> O	0.67
Calcium	Ca	5.42
Magnesium	Mg	0.47
Moisture content	%, wet weight basis	38.49
Organic matter content	%, dry weight basis	41.36
Particle size	Screen size passing through	100% passing 9.5 mm
Stability (respirometry)	mg CO <sub>2</sub> -C per g TS per day mg CO <sub>2</sub> -C per g OM per day	1.4 2.1
Maturity (Bioassay)		
Percent emergence	% (average)	100
Relative seedling vigor	% (average)	100
Select Pathogens	PASS/FAIL (Per US EPA Class A standards, 40 CFR § 503.32(a))	<b>PASS</b>
Trace metals	PASS/FAIL (Per US EPA standards, 40 CFR § 503.13, Table 3)	<b>PASS</b>

*Participants in the United States Composting Council's Seal of Testing Compliance Program have shown the commitment to test their compost products on a prescribed basis, and provide this data, along with compost end use instructions, as a means to better serve the needs of their compost customers.*

This compost product has been sampled and tested as required by the Seal of Testing Assurance Program on the United States Composting Council (USCC), using certain methods from the "Test Methods for the Examination of Compost and Composting" manual. Test results are available upon request by contacting the compost producer (address at top of page). The USCC makes no warranties regarding this product or its content, quality, or suitability for any particular use. Nutrients data are for informational purposes only and do not constitute, in part or whole, a guaranteed analysis. Nutrients data are for informational purposes only and do not constitute, in part or whole, a guaranteed analysis.



Account No. : 1985

Compost (TMECC) Analysis Report

PEONE, ANGELINA  
 ULSTER COUNTY RESOURCE RECOVERY AG  
 P.O. BOX 6219  
 KINGSTON NY 12402

Invoice No. : 1132814  
 Date Received : 03/29/2022  
 Date Analyzed: 03/30/2022

Lab No. : 735

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY  
 Sample ID : FINISHED SCREENED COMPOST PILE  
 3\_25\_2022 PO 15763

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Organic N, % N	1.36	0.84	27.2	16.7	4.2
Ammonium, % N	0.102	0.0630	2.0	1.3	1.2
Nitrate, % N	< 0.001	0.0000	0.0	0.0	0.0
Total N, % N	1.46	0.90	29.2	18.0	5.4
Phosphorus, % P <sub>2</sub> O <sub>5</sub>	0.71	0.44	14.2	8.8	6.1
Potassium, % K <sub>2</sub> O	0.67	0.41	13.4	8.3	7.4
Sulfur, % S	0.27	0.17	5.5	3.4	1.3
Calcium, % Ca	5.42	3.33	108.4	66.7	46.7
Magnesium, % Mg	0.47	0.29	9.3	5.7	4.0
Sodium, % Na	0.20	0.12	4.0	2.4	2.4
Sodium Adsorption Ratio (SAR)	2.18				
Zinc, ppm Zn	118.6	73.0	0.2	0.1	0.1
Iron, ppm Fe	12184.7	7494.8	24.4	15.0	10.5
Manganese, ppm Mn	382.7	235.4	0.8	0.5	0.3
Copper, ppm Cu	42.2	26.0	0.1	0.0	0.1
Aluminum, ppm Al	4246.9	2612.3	8.5	5.2	3.7
Boron, ppm B	21.8	13.4	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		2.87			
pH		8.4			
Moisture, %	38.49				
Dry Matter (TS), %	61.51				
Ash, %	58.64	36.07			
Organic Matter LOI 550C, %	41.36	25.44			
Organic Carbon, %	23.99	14.76			
Organic C:N Ratio	16.4				
Bulk Density, lbs / cubic foot		41			

W.R. Rohrer - AgroLab Inc.

4/15/2022

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Page 1 of 2

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Account No. : 1985

Compost (TMECC) Analysis Report

PEONE, ANGELINA  
 ULSTER COUNTY RESOURCE RECOVERY AG  
 P.O. BOX 6219  
 KINGSTON NY 12402

Invoice No. : 1132814  
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 Sample ID : FINISHED SCREENED COMPOST PILE  
 3\_25\_2022 PO 15763

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Human Inerts & Plastic Film, %		< 0.1			
STA 503 H.Metal Screen	Pass				
STA Pathogen Screen		Pass			
Respiration mg CO <sub>2</sub> -C/g OM/day	2.1				
Compost Respiration Stability Index		Stable			
Respiration mg CO <sub>2</sub> -C/g TS/day	1.4				
Compost Respiration Stability Index		Very Stable			
Maturity Indicator by Germination					
Emergence %		100			
Maturity		Very Mature			
Seedling Vigor %		100			
Maturity		Very Mature			

"<" - Not Detected / Below Detection Limit

Particle Size Distribution	Sieve Size	Fraction Retained (%)	Total Passing (%)
	25 mm	0.0	100.0
	9.5 mm	0.0	100.0
	No.10 (2 mm)	35.6	64.4
	No.18 (1 mm)	19.8	44.6
	Pan	44.6	0.0

**Note:** The available first year Ammonium-N is calculated based on maximum availability, or incorporation within 24 hours. Advise a nutrient consultant for adjustments beyond 24 hr incorporation.



Account No. : 1985

**Environmental Sample Analysis Report**

**PEONE, ANGELINA  
 ULSTER COUNTY RESOURCE RECOVERY AG  
 P.O. BOX 6219  
 KINGSTON NY 12402**

**Invoice No. : 1132824  
 Date Received : 03/29/2022  
 Date Analyzed: 03/30/2022**

**Lab No. : 320**

**Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY**

**Sample ID : FINISHED SCREENED COMPOST PILE**

**Description : 3\_25\_2022 PO 15763**

**Analysis**

	<b>Solid: Dry Wgt Liquid: As Rcvd</b>	<b>EPA Method Number</b>	<b>Lab. Tech.</b>	<b>Detection Limit</b>
Arsenic As, mg/kg	6.33	3050B/6010C	L.D.S	0.01
Cadmium Cd, mg/kg	0.49	3050B/6010C	L.D.S	0.01
Chromium Cr, mg/kg	16.95	3050B/6010C	L.D.S	0.01
Copper Cu, mg/kg	39.40	3050B/6010C	L.D.S	0.01
Molybdenum Mo, mg/kg	2.19	3050B/6010C	L.D.S	0.01
Nickel Ni, mg/kg	11.74	3050B/6010C	L.D.S	0.01
Lead Pb, mg/kg	34.14	3050B/6010C	L.D.S	0.01
Selenium Se, mg/kg	0.03	3050B/6010C	L.D.S	0.01
Zinc Zn, mg/kg	102.39	3050B/6010C	L.D.S	0.01
Mercury Hg, mg/kg	0.037	7473	L.D.S	0.01

**Microbiological Screening**

	<b>Count</b>	<b>Method</b>	<b>Detection Limit</b>
Salmonella MPN of CFU/4g	Not Detected	L. Flow ATEC 13076	Pos/Neg/4g dry wgt