



Account No. : 1985

**Environmental Sample Analysis Report**

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

**Invoice No. : 1114863  
 Date Received : 09/10/2019  
 Date Reported : 09/11/2019**

**Lab No. : 1656**

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

**Sample ID : SCREENED FINISHED COMPOST**

**Description :**

	<b>Analysis</b>		<b>EPA Method Number</b>	<b>Lab. Tech.</b>	<b>Detection Limit</b>
	<b>Solid: Dry Wgt</b>	<b>Liquid: As Rcvd</b>			
Arsenic As, mg/kg	5.77		3050B/6010C	L.D.S	0.01
Cadmium Cd, mg/kg	0.41		3050B/6010C	L.D.S	0.01
Chromium Cr, mg/kg	13.57		3050B/6010C	L.D.S	0.01
Copper Cu, mg/kg	37.17		3050B/6010C	L.D.S	0.01
Molybdenum Mo, mg/kg	8.77		3050B/6010C	L.D.S	0.01
Nickel Ni, mg/kg	14.07		3050B/6010C	L.D.S	0.01
Lead Pb, mg/kg	25.43		3050B/6010C	L.D.S	0.01
Selenium Se, mg/kg	< 0.01		3050B/6010C	L.D.S	0.01
Zinc Zn, mg/kg	109.32		3050B/6010C	L.D.S	0.01
Mercury Hg, mg/kg	0.025		7473	L.D.S	0.01
<b>Microbiological Screening</b>	<b>Count</b>		<b>Method</b>		<b>Detection Limit</b>
E Coli Bacteria, MPN of CFU/g	27.47		Colilert		1 CFU/g
Fecal Bacteria, MPN of CFU/1g dry basis	27		Colilert-18		1 CFU/g

"<" - Not Detected / Below Detection Limit



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JSCC-STA Compost (TMECC) Analysis Report

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

Invoice No. : 1114860  
Date Received : 09/10/2019  
Date Analyzed: 09/11/2019

Lab No. : 9982

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY

Sample ID : SCREENED FINISHED COMPOST

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Organic N, % N	0.81	0.59	16.1	11.7	2.9
Ammonium, % N	0.015	0.0110	0.3	0.2	0.2
Nitrate, % N	< 0.001	0.0000	0.0	0.0	0.0
Total N, % N	0.82	0.60	16.4	11.9	3.1
Phosphorus, % P <sub>2</sub> O <sub>5</sub>	0.74	0.54	14.8	10.8	7.5
Potassium, % K <sub>2</sub> O	0.53	0.39	10.6	7.7	6.9
Sulfur, % S	0.38	0.28	7.5	5.5	2.2
Calcium, % Ca	10.54	7.67	210.8	153.5	107.4
Magnesium, % Mg	0.40	0.29	8.0	5.9	4.1
Sodium, % Na	0.20	0.15	3.9	2.9	2.9
Zinc, ppm Zn	120.6	87.8	0.2	0.2	0.1
Iron, ppm Fe	12545.4	9131.8	25.1	18.3	12.8
Manganese, ppm Mn	249.6	181.7	0.5	0.4	0.3
Copper, ppm Cu	41.3	30.1	0.1	0.0	0.1
Aluminum, ppm Al	1675.0	1219.2	3.3	2.4	1.7
Boron, ppm B	20.6	15.0	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		2.67			
pH		8.8			
Moisture, %	27.21				
Dry Matter (TS), %	72.79				
Ash, %	66.39	48.33			
Organic Matter LOI 550C, %	33.61	24.46			
Organic Carbon, %	19.49	14.19			
Organic C:N Ratio	23.8				
Bulk Density, lbs / cubic foot		41			
Human Inerts & Plastic Film, %		< 0.1			



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	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
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	1.0				
Compost Respiration Stability Index		Very Stable			
Maturity Indicator by Germination					
Emergence %		100			
Maturity		Very Mature			
Seedling Vigor %		86			
Maturity		Mature			

"<" - Not Detected / Below Detection Limit

Particle Size Distribution	Sieve Size	Fraction Retained (%)	Total Passing (%)
	25 mm	0.0	100.0
	No.10 (2 mm)	56.0	44.0
	No.18 (1 mm)	12.1	31.9
	No.35 (500 µm)	11.9	20.0
	No.60 (250 µm)	10.7	9.3
	No.140 (106 µm)	6.7	2.6
	No.270 (53 µm)	1.8	0.8
	Pan	0.8	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.