



Account No. : 1985

STA Compost (TMECC) Analysis Report

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

**Invoice No. : 1121930
Date Received : 09/11/2020
Date Analyzed: 09/14/2020**

Lab No. : 11704

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY

Sample ID : FINISHED SCREENED COMPOST PILE

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Organic N, % N	1.20	0.77	24.0	15.5	3.9
Ammonium, % N	0.053	0.0340	1.1	0.7	0.7
Nitrate, % N	0.016	0.0100	0.3	0.2	0.2
Total N, % N	1.27	0.82	25.4	16.4	4.7
Phosphorus, % P ₂ O ₅	0.75	0.48	15.0	9.6	6.7
Potassium, % K ₂ O	0.66	0.43	13.1	8.5	7.6
Sulfur, % S	0.33	0.21	6.5	4.2	1.7
Calcium, % Ca	10.02	6.45	200.4	129.1	90.4
Magnesium, % Mg	0.51	0.33	10.3	6.6	4.6
Sodium, % Na	0.24	0.15	4.8	3.1	3.1
Sodium Adsorption Ratio (SAR)	2.00				
Zinc, ppm Zn	102.4	66.0	0.2	0.1	0.1
Iron, ppm Fe	12625.8	8133.5	25.3	16.3	11.4
Manganese, ppm Mn	337.9	217.7	0.7	0.4	0.3
Copper, ppm Cu	40.4	26.0	0.1	0.0	0.1
Aluminum, ppm Al	4535.7	2921.9	9.1	5.8	4.1
Boron, ppm B	24.1	15.5	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		3.08			
pH		8.3			
Moisture, %	35.58				
Dry Matter (TS), %	64.42				
Ash, %	74.62	48.07			
Organic Matter LOI 550C, %	25.38	16.35			
Organic Carbon, %	14.72	9.48			
Organic C:N Ratio	11.6				
Bulk Density, lbs / cubic foot		43			



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			Dry Basis	As Is Basis	
Human Inerts & Plastic Film, %		< 0.1			
STA 503 H.Metal Screen	Pass				
STA Pathogen Screen		Pass			
Respiration mg CO ₂ -C/g OM/day	1.1				
Compost Respiration Stability Index		Very Stable			
Respiration mg CO ₂ -C/g TS/day	0.4				
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)	49.9	50.1
	No.18 (1 mm)	20.3	29.8
	Pan	29.8	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.



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Environmental Sample Analysis Report

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

**Invoice No. : 1121932
 Date Received : 09/11/2020
 Date Analyzed: 09/14/2020**

Lab No. : 2279

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY

Sample ID : FINISHED SCREENED COMPOST PILE

Description :

Analysis

	Solid: Dry Wgt Liquid: As Rcvd	EPA Method Number	Lab. Tech.	Detection Limit
Arsenic As, mg/kg	10.19	3050B/6010C	L.D.S	0.01
Cadmium Cd, mg/kg	0.46	3050B/6010C	L.D.S	0.01
Chromium Cr, mg/kg	26.83	3050B/6010C	L.D.S	0.01
Copper Cu, mg/kg	52.24	3050B/6010C	L.D.S	0.01
Molybdenum Mo, mg/kg	2.33	3050B/6010C	L.D.S	0.01
Nickel Ni, mg/kg	13.75	3050B/6010C	L.D.S	0.01
Lead Pb, mg/kg	35.69	3050B/6010C	L.D.S	0.01
Selenium Se, mg/kg	< 0.01	3050B/6010C	L.D.S	0.01
Zinc Zn, mg/kg	100.70	3050B/6010C	L.D.S	0.01
Mercury Hg, mg/kg	0.023	7473	L.D.S	0.01

Microbiological Screening

	Count	Method	Detection Limit
E Coli Bacteria, MPN of CFU/g	0.00	Colilert	1 CFU/g
Fecal Bacteria, MPN of CFU/1g dry basis	145	Col-18 40CFR 136.3	1 CFU/g dry wgt

"<" - Not Detected / Below Detection Limit



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Invoice No. : 1121932
Date Received : 09/11/2020
Date Analyzed: 09/14/2020
Lab No. : 2280

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY

Sample ID : FINISHED SCREENED COMPOST PILE

Description :

Analysis

Solid: Dry Wgt

Liquid: As Rcvd

EPA Method
Number

Lab.
Tech.

Detection
Limit

Microbiological Screening

Count

Method

Detection
Limit

Salmonella

Not Detected

L. Flow ATEC 13076

1 CFU/g dry wgt