



Account No. : 1985

JSCC-STA Compost (TMECC) Analysis Report

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

**Invoice No. : 1113264
Date Received : 06/18/2019
Date Analyzed: 06/19/2019**

Lab No. : 9772

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	1.21	0.74	24.1	14.8	3.7
Ammonium, % N	0.033	0.0200	0.7	0.4	0.4
Nitrate, % N	< 0.001	0.0000	0.0	0.0	0.0
Total N, % N	1.24	0.76	24.8	15.2	4.1
Phosphorus, % P ₂ O ₅	0.89	0.55	17.8	10.9	7.7
Potassium, % K ₂ O	0.70	0.43	14.1	8.6	7.8
Sulfur, % S	0.32	0.20	6.5	4.0	1.6
Calcium, % Ca	7.34	4.51	146.7	90.1	63.0
Magnesium, % Mg	0.41	0.25	8.3	5.1	3.6
Sodium, % Na	0.25	0.15	5.0	3.1	3.1
Zinc, ppm Zn	113.5	69.7	0.2	0.1	0.1
Iron, ppm Fe	8313.6	5102.9	16.6	10.2	7.1
Manganese, ppm Mn	259.7	159.4	0.5	0.3	0.2
Copper, ppm Cu	37.4	23.0	0.1	0.0	0.0
Aluminum, ppm Al	1272.0	780.8	2.5	1.6	1.1
Boron, ppm B	12.6	7.7	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		2.99			
pH		8.4			
Moisture, %	38.62				
Dry Matter (TS), %	61.38				
Ash, %	58.38	35.83			
Organic Matter LOI 550C, %	41.62	25.55			
Organic Carbon, %	24.14	14.82			
Organic C:N Ratio	19.5				
Bulk Density, lbs / cubic foot		41			
Human Inerts & Plastic Film, %		< 0.1			



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Sample ID : FINISHED SCREENED COMPOST PILE

	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 ₂ -C/g OM/day	1.4				
Compost Respiration Stability Index		Very Stable			
Respiration mg CO ₂ -C/g TS/day	1.0				
Compost Respiration Stability Index		Very Stable			
Maturity Indicator by Germination					
Emergence %		100			
Maturity		Very Mature			
Seedling Vigor %		83			
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)	53.8	46.2
	No.18 (1 mm)	20.7	25.5
	No.35 (500 µm)	14.4	11.1
	No.60 (250 µm)	7.4	3.7
	No.140 (106 µm)	2.8	0.9
	No.270 (53 µm)	0.6	0.3
	Pan	0.3	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. : 1113262
Date Received : 06/18/2019
Date Reported : 06/19/2019

Lab No. : 1542

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY

Sample ID : FINISHED SCREENED COMPOST PILE

Description :

	Analysis	EPA Method Number	Detection Limit
Arsenic As, mg/kg	8.59	3050B/6010C	0.01
Cadmium Cd, mg/kg	0.64	3050B/6010C	0.01
Copper Cu, mg/kg	44.28	3050B/6010C	0.01
Molybdenum Mo, mg/kg	2.83	3050B/6010C	0.01
Nickel Ni, mg/kg	20.54	3050B/6010C	0.01
Lead Pb, mg/kg	66.94	3050B/6010C	0.01
Sulfur S, mg/kg	0.32	3050B/6010C	0.01
Selenium Se, mg/kg	< 0.01	3050B/6010C	0.01
Zinc Zn, mg/kg	173.41	3050B/6010C	0.01
Mercury Hg, mg/kg	0.036	7473	0.01
Microbiological Screening	Count	Method	Detection Limit
E Coli Bacteria, MPN of CFU/g	50.50	Colilert	1 CFU/g
Fecal Bacteria, MPN of CFU/1g dry basis	140	Colilert-18	1 CFU/g

"<" - Not Detected / Below Detection Limit