

Woods End Laboratories, Inc.

290 Belgrade Road, P.O. Box 297

Mount Vernon, ME 04352/USA

207-293-2457 www.woodsend.com lab@woodsend.com

Soil and Compost Testing since 1975

Account: 2277
 · James Bunchuck
 · Town of Southold
 · PO Box 962
 · Cutchogue NY 11935

Code: NDA Project: 0
 Date Received : 08-Jul-2020
 Date Reported : 28-Jul-2020
 Lab ID Number : 11444.0
 Quality Control : nh

COMPOSITION ANALYSIS

Sample Identification: compost screened leaves SLC

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations
Bulk Density	lbs·ft ³	-	19	506 lbs/yd ³
Total Solids (dry matter)	%	100.0	39.9	798 lbs/ton
Moisture Content	%	0.0	60.1	144 gals/ton
Water Holding Capacity (<i>calc</i>)	%	214	68	164 gals/ton
Inert and Oversize Particles	%	~	26.0	520.0 lbs/ton
pH (sat. paste in H ₂ O)	-logH ⁺	~	7.02	Near Neutral
Free Carbonates (CO ₃) (Range 1-3)		~	1	None
Total Organic Matter	%	68.8	27.5	549 lbs/ton
Ash Content	%	29.6	11.8	
Conductivity (salinity)	dS·m ⁻¹	~	1.0	V Low
Carbon:Nitrogen (C:N) Ratio (<i>calc</i>) w:w		21.8	21.8	Med High
Respiration, Volumetric ... (Solvita 1-8)		~	6.08	Medium
Ammonia Volatization (Solvita 1-5)		~	5.00	low or none
Compost Maturity Index ... (Value 1-8)		~	6.0	Practical Maturity

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For more explanation of data, see Woods End Laboratories, Inc. [Interpretation Sheet](http://www.woodsend.com) at www.woodsend.com

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MINERALS ANALYSIS

Sample Identification: compost screened leaves SLC

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton <i>as is</i>
..... Mineral Nutrients				
Total Nitrogen	%	1.701	0.679	13.6 MH
Phosphorus (P) <i>total</i>	%	0.166	0.066	1.3 L
..... Extractable & Total Cations				
Ammonium (NH ₄ -N) <i>soluble</i>	ppm	992	396	0.8
Potassium (K) <i>total</i>	%	0.01	0.00	0.1
Sodium (Na) <i>total</i>	%	0.13	0.05	1.0
Calcium (Ca) <i>total</i>	%	1.68	0.67	13.4
Magnesium (Mg) <i>total</i>	%	0.52	0.21	4.2
..... Extractable Anions				
Nitrate (NO ₃ -N) <i>soluble</i>	ppm	154	62	0.1

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Notes: percent x 10,000 = ppm; ppm = mg/kg;

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METALS and NON-METALS ANALYSIS

Sample Identification: compost screened leaves SLC

VARIABLE MEASURED	Unit	dry basis	as is basis	lbs/ton Rating <i>as is</i>
Copper (Cu)	mg·kg ⁻¹	35	14	<0.1 Very Low
Manganese (Mn)	mg·kg ⁻¹	381.9	152.4	0.3 Med High
Iron (Fe)	mg·kg ⁻¹	2317	924	1.8 Med Hi
Zinc (Zn)	mg·kg ⁻¹	96	38	0.08 Low
Lead (Pb)	mg·kg ⁻¹	34.5	13.8	12.5 M
Chromium (Cr)	mg·kg ⁻¹	3.2	< 3.2	n.a.
Cadmium (Cd)	mg·kg ⁻¹	18.4	-	-
Nickel (Ni)	mg·kg ⁻¹	9.2	-	-

Notes: † "as is" = wet basis; mg·kg⁻¹ = ppm (parts per million); < signifies *less than MLD* (minimum level of detection)

‡ Rating of Metals Based on international standard

‡ Note: Metals Pb, Cr, Cd, Ni in grams/ton under Rating column

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