

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 : 15-Oct-2020
 Date Reported : 23-Oct-2020
 Lab ID Number : 11535.1
 Quality Control : nh

COMPOSITION ANALYSIS

Sample Identification: Compost: Untreated Leaf Compost

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations
Bulk Density	lbs·ft ³	-	27	725 lbs/yd ³
Total Solids (dry matter)	%	100.0	52.0	1040 lbs/ton
Moisture Content	%	0.0	48.0	115 gals/ton
Water Holding Capacity (<i>calc</i>)	%	208	68	162 gals/ton
Inert and Oversize Particles	%	↔	20.2	403.8 lbs/ton
pH (sat. paste in H ₂ O)	-logH ⁺	↔	7.14	Near Neutral
Free Carbonates (CO ₃) (Range 1-3)		↔	1	None
Organic Matter (Volatile Solids)	%	66.7	34.7	Med High
Ash Residue Content	%	33.3	17.3	Low
Conductivity (salinity)	dS·m ⁻¹	↔	1.0	V Low
Carbon:Nitrogen (C:N) Ratio (<i>calc</i>) w:w		30.1	30.1	High
Respiration, Volumetric ... (Solvita 1-8)		↔	6.85	Med-Low
Ammonia Volatilization (Solvita 1-5)		↔	5.00	low or none
Compost Maturity Index ... (Value 1-8)		↔	6.6	Practical Maturity

Form 103-2 Copyright ©2001-2020 WOODS END LABORATORIES, Inc.

NOTE: this report may not be extracted or copied in any form except in entirety as herein presented, unless by specific permission.

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

Woods End Laboratories, Inc.

290 Belgrade Road, P.O. Box 297
 Mount Vernon, ME 04352/USA
 207-293-2457 www.woodsendlab.com lab@woodsendlab.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 : 15-Oct-2020
 Date Reported : 23-Oct-2020
 Lab ID Number : 11535.1
 Quality Control : nh

MINERALS ANALYSIS

Sample Identification: Compost: Untreated Leaf Compost

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton <i>as is</i>
..... Solids and Nutrients.....				
Total Solids (dry matter)	%	100.0	52.0	1040 lbs/ton
Moisture Content	%	0.0	48.0	115 gals/ton
Total Nitrogen	%	1.041	0.541	10.8 M
Phosphorus (P) <i>total</i>	%	0.128	0.067	1.3 L
..... Extractable & Total Cations				
Ammonium (NH ₄ -N) <i>soluble</i>	ppm	8	4	0.0
Potassium (K) <i>total</i>	%	1.01	0.53	10.5
Sodium (Na) <i>total</i>	%	0.20	0.10	2.1
Calcium (Ca) <i>total</i>	%	2.52	1.31	26.2
Magnesium (Mg) <i>total</i>	%	0.50	0.26	5.2
..... Extractable Anions				
Nitrate (NO ₃ -N) <i>soluble</i>	ppm	144	75	0.2

FORM 103-2 Copyright ©2001-2020 WOODS END LABORATORIES

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

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 : 15-Oct-2020
 Date Reported : 23-Oct-2020
 Lab ID Number : 11535.1

METALS and NON-METALS ANALYSIS

Sample Identification: Compost: Untreated Leaf Compost

VARIABLE MEASURED	Unit	dry basis	as is basis	lbs/ton Rating <i>as is</i>
Moisture	%	0.0	48.0	
Total Solids	%	100.0	52.0	224 g/liter
Density	(kg·m ³)	-	430	0.43 g/cc
Copper (Cu)	mg·kg ⁻¹	15	8	<0.1 Very Low
Manganese (Mn)	mg·kg ⁻¹	288	150	0.3 Med High
Iron (Fe)	mg·kg ⁻¹	2798	1455	2.9 Med Hi
Zinc (Zn)	mg·kg ⁻¹	83	43	0.09 Low
Lead (Pb)	mg·kg ⁻¹	47.2	24.5	22.3 M
Chromium (Cr)	mg·kg ⁻¹	50.8	-	-
Cadmium (Cd)	mg·kg ⁻¹	1.9	-	-
Nickel (Ni)	mg·kg ⁻¹	27	-	-

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

Form 103-2 Copyright ©2001-2020 WOODS END LABORATORIES, Inc

END REPORT *****