Woods End Laboratories LLC

150 Whitten Road
Augusta, ME 04330/USA
207-293-2457 www.woodsend.com lab@woodsend.com
Soil and Compost Testing since 1975

Account: 410
· Jayne Merner
· Earth Care Farm LLC
· 89 A County Dr
· Charlestown RI 02813

Code: NDA Project: 0
Date Received : 28-Mar-2025
Date Reported : 25-Apr-2025
Lab ID Number : 12901.0
Quality Control : nh

COMPOSITION ANALYSIS

Sample Identification: Compost:Myay Thai RBM

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations
Bulk Density	$lbs\cdot ft^3$	-	45	1213 lbs/yd^3
Total Solids (dry matter)	%	100.0	55.0	1100 lbs/ton
Moisture Content	%	0.0	45.0	108 gals/ton
Water Holding Capacity (*calc*)	%	113	53	127 gals/ton
Inert and Oversize Particles	%	~~	22.9	458.6 lbs/ton
pH (sat. paste in H_2O)	$-\log H^+$	~~	7.19	Near Neutral
Free Carbonates (CO_3) (Range 1-3)		~~	2	Slight
Organic Matter (Volatile Solids)	%	32.1	17.7	V Low
Ash Residue Content	%	67.9	37.3	Med-High
Conductivity (salinity)	$dS\cdot m^{-1}$	~~	3.4	Medium
Carbon:Nitrogen (C:N) Ratio (*calc*)	w:w	21.9	21.9	Med High
Respiration, Volumetric (Solvita 1-8)		~~	5.93	Medium
Ammonia Volatization (Solvita 1-5)		~~	5.00	low or none
Compost Maturity Index (Value 1-8)		~~	5.9	Early-Cure Compost

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For more explanation of data, see Woods End Laboratories LLC Interpretation Sheet at www.woodsend.com

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MINERALS ANALYSIS

Sample Identification: Compost:Myay Thai RBM

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton *as is*
Solids and Nutrients				
Total Solids (dry matter)	%	100.0	55.0	1100 lbs/ton
Moisture Content	%	0.0	45.0	108 gals/ton
Total Nitrogen	%	0.689	0.379	7.6 ML
Phosphorus (P) *total*	%	0.732	0.403	8.1 ML
Extractable & Total Cations				
Ammonium (NH_4-N) *soluble*	ppm	7	4	0.0
Potassium (K) *total*	%	0.35	0.19	3.9
Sodium (Na) *total*	%	0.39	0.22	4.3
Calcium (Ca) *total*	%	7.03	3.86	77.3
Magnesium (Mg) *total*	%	0.23	0.13	2.6
Extractable Anions				
Nitrate (NO_3-N) *soluble*	ppm	63	35	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:Myay Thai RBM

VARIABLE MEASURED	Unit	dry basis	as is basis	lbs/ton Rating *as is*
Moisture	%	0.0	45.0	
Total Solids	%	100.0	55.0	396 g/liter
Density	($kg \cdot m^3$)	-	720	0.72 g/cc
Copper (Cu)	$mg \cdot kg^{-1}$	14	8	<0.1 Very Low
Manganese (Mn)	$mg \cdot kg^{-1}$	166	91	0.2 Medium
Iron (Fe)	$mg \cdot kg^{-1}$	4413	2427	4.9 High
Zinc (Zn)	$mg \cdot kg^{-1}$	68	38	0.08 Low
Lead (Pb)	$mg \cdot kg^{-1}$	16.2	8.9	8.1 L
Chromium (Cr)	$mg \cdot kg^{-1}$	40.1	-	-
Cadmium (Cd)	$mg \cdot kg^{-1}$	8.0	-	-
Nickel (Ni)	$mg \cdot kg^{-1}$	23	-	-
Arsenic (As)	$mg \cdot kg^{-1}$	1.8	-	-
Mercury (Hg)	$mg \cdot kg^{-1}$	< 0.1	-	-
Selenium (Se)	$mg \cdot kg^{-1}$	< 1	-	-
BACTERIOLOGIC ANALYSIS				
Fecal coliform EPA503	MPN per g	127	-	

Notes: † "as is" = wet basis; $mg \cdot kg^{-1}$ = 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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END REPORT **********