

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: 3657

· Dan Hettinger
 · National Bamboo
 · 2110 Washburn RD
 · Shelby NC 28150

Code: NDA Project: 0

Date Received : 21-Aug-2025

Date Reported : 10-Sep-2025

Lab ID Number : 13285.0

Quality Control : nh

COMPOSITION ANALYSIS

Sample Identification: Batch 48 Compost

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations
Bulk Density	lbs·ft ³	-	36	977 lbs/yd ³
Total Solids (dry matter)	%	100.0	50.2	1004 lbs/ton
Moisture Content	%	0.0	49.8	119 gals/ton
Water Holding Capacity (<i>calc</i>)	%	128	56	135 gals/ton
Inert and Oversize Particles	%	↔	1.4	27.8 lbs/ton
pH (sat. paste in H ₂ O)	-logH ⁺	↔	7.39	Near Neutral
Organic Matter (Volatile Solids)	%	37.5	18.8	V Low
Ash Residue Content	%	62.5	31.4	Med-High
Conductivity (salinity)	dS·m ⁻¹	↔	0.3	Ex Low
Carbon:Nitrogen (C:N) Ratio (<i>calc</i>) w:w		127.8	127.8	Ext. H
Respiration, Volumetric ... (Solvita 1-8)		↔	5.99	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: Batch 48 Compost

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton <i>as is</i>
..... Solids and Nutrients.....				
Total Solids (dry matter)	%	100.0	50.2	1004 lbs/ton
Moisture Content	%	0.0	49.8	119 gals/ton
Total Nitrogen	%	0.138	0.069	1.4 L
Phosphorus (P) <i>total</i>	%	0.102	0.051	1.0 L
..... Extractable & Total Cations				
Ammonium (NH ₄ -N) <i>soluble</i>	ppm	8	4	0.0
Potassium (K) <i>total</i>	%	0.25	0.13	2.6
Sodium (Na) <i>total</i>	%	0.21	0.10	2.1
Calcium (Ca) <i>total</i>	%	0.96	0.48	9.6
Magnesium (Mg) <i>total</i>	%	0.20	0.10	2.0

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

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METALS and NON-METALS ANALYSIS

Sample Identification: Batch 48 Compost

VARIABLE MEASURED	Unit	dry basis	as is basis	lbs/ton Rating <i>as is</i>
Moisture	%	0.0	49.8	
Total Solids	%	100.0	50.2	291 g/liter
Density	(kg·m ³)	-	580	0.58 g/cc
Copper (Cu)	mg·kg ⁻¹	15	7	<0.1 Very Low
Manganese (Mn)	mg·kg ⁻¹	495	249	0.5 High
Iron (Fe)	mg·kg ⁻¹	8056	4044	8.1 Very High
Zinc (Zn)	mg·kg ⁻¹	77	38	0.08 Low
Lead (Pb)	mg·kg ⁻¹	14.1	7.1	6.4 L
Chromium (Cr)	mg·kg ⁻¹	10.1	-	-
Cadmium (Cd)	mg·kg ⁻¹	1.8	-	-
Nickel (Ni)	mg·kg ⁻¹	7	-	-
Arsenic (As)	mg·kg ⁻¹	2.2	-	-
Mercury (Hg)	mg·kg ⁻¹	< 0.1	-	-
Selenium (Se)	mg·kg ⁻¹	< 1	-	-

..... BACTERIOLOGIC ANALYSIS

Fecal coliform EPA503	MPN per g	19	-
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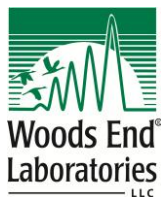
Notes: † "as is" = wet basis; mg·kg⁻¹ = ppm (parts per million); < signifies *less than MLD* (minimum level of detection)

‡ Rating of Metals Based on international standard

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

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END REPORT *****



Woods End Research Laboratory, Inc.

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Account: 3657
Dan Hettinger
National Bamboo
2110 Washburn Rd
Shelby, NC 28150
8288086417

Code: Project: n/a

Date Reported : 10-Sep-25

COMPOSITION ANALYSIS

Sample ID	13285.0 Batch 48 1/4 Screen	Result
Screen		
1"		100.00
3/4"		100.00
1/2"		100.00
3/8"		100.00
1/4"		98.61
1/8"		57.99



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Code: Project: n/a

Date Reported : 10-Sep-25

COMPOSITION ANALYSIS

Sample ID	13285.0	Batch 48 1/4 Screen	Result
		Germination %	90.00
		Vigor %	100.00