

Woods End Laboratories, Inc.  
 290 Belgrade Road P.O. Box 297  
 Mount Vernon, ME 04352/USA  
 207-293-2457 FAX: 207-293-2488 www.woodsendlab.org

Account: 100  
 · SAMPLE REPORT  
 · Woods End Farm  
 · 20 Old Rome Road  
 · Mt Vernon ME 04352

Code: Matrix Project: n/a  
 Date Received : 12/28/2006  
 Date Reported : 01/31/2007  
 Lab ID Number : 1234.0  
 Quality Checked :

## COMPOSITION ANALYSIS

Sample Identification: Compost: Sample Report

VARIABLE MEASURED	Unit	dry basis	as is basis	Notations †
DENSITY .....	lbs·ft <sup>3</sup>	-	45	1213 lbs/yd <sup>3</sup>
Total Solids .....	%	100.0	63.1	1262 lbs/ton
Moisture .....	%	0.0	36.9	88 gals/ton
Water Holding Capacity <i>est.</i> ) .....	% as is	87	46	111 gals/ton
Inert and Oversize Matter .....	% as is	~>	0.2	4.6 lbs/ton
pH (sat. paste, H <sub>2</sub> O) .....	-logH <sup>+</sup>	~>	8.11	Med High
Free Carbonates (CO <sub>3</sub> ) .....	Rating	~>	1	None
Organic Matter .....	%	22.5	14.2	283 lbs/ton
Conductivity (salinity) .....	dS ·m <sup>-1</sup>	~>	3.3	Medium
Carbon:Nitrogen (C:N) Ratio .....	w:w	7.2	7.2	V. Low
<b>..... Seedling Response Assay, Percent of Control.....</b>				
Cress Emergence .....	% of total	~>	95	No Inhibition
Cress Biomass .....	% of Control	~>	117	Excellent
Solvita CO <sub>2</sub> Rate .....		~>	7.79	Low
Solvita NH <sub>3</sub> Rate .....		~>	5.00	Absent

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†For explanation of data, see Woods End Laboratories, Inc. [Interpretation Sheet](#)

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## MINERALS ANALYSIS

Sample Identification: Compost: Sample Report

VARIABLE MEASURED	Unit	dry basis	as is basis	pounds/ton <i>as is</i>
<b>..... Total Mineral Nutrients .....</b>				
Total Nitrogen .....	%	1.680	1.060	21.2
Organic-Nitrogen .....	%	1.623	1.024	20.5
Phosphorus (P) .....	%	0.188	0.118	2.4
Potassium (K) .....	%	0.567	0.358	7.2
Sodium (Na) .....	%	0.049	0.031	0.6
Calcium (Ca) .....	%	3.923	2.475	49.5
Magnesium (Mg) .....	%	1.564	0.987	19.7
<b>..... Soluble Nutrients .....</b>				
Ammonium-N (NH <sub>4</sub> -N) .....	ppm	39	25	0.0
Nitrate-N .....	ppm	530	334	0.7

Notes: ppm = mg/kg < = less than MLD (minimum level of detection); nd = none detected  
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## METALS ANALYSIS

Sample Identification: Compost: Sample Report

VARIABLE MEASURED	Unit	dry basis	as is basis‡	pounds/ton <i>as is</i>
Copper (Cu) .....	mg·kg <sup>-1</sup>	17.8	11.2	<0.1
Manganese (Mn) .....	mg·kg <sup>-1</sup>	398.9	251.7	MH
Iron (Fe) .....	mg·kg <sup>-1</sup>	11826.0	7462.2	14.9
Zinc (Zn) .....	mg·kg <sup>-1</sup>	96.4	60.8	0.1
Lead (Pb) .....	mg·kg <sup>-1</sup>	110.9	70.0	0.1
Chromium (Cr) .....	mg·kg <sup>-1</sup>	35.1	-	-
Cadmium (Cd) .....	mg·kg <sup>-1</sup>	<0.8	< 0.5	n.a
Nickel (Ni) .....	mg·kg <sup>-1</sup>	19.4	-	-
<b>..... BACTERIOLOGIC ANALYSIS .....</b>				
Fecal coliform EPA503 .....	MPN per g	< 2.9	-	
<i>E. coli</i> mod.EPA503 .....	MPN per g	< 2.9	-	

Notes: mg·kg<sup>-1</sup> = ppm (parts per million); MPN = most probable number  
 < signifies *less than MLD* (minimum level of detection) for the particular factor tested  
 ‡ = EPA reporting requires dry basis only