



# Woods End Research Laboratory, Inc.

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

Account: Your Unique ID

Code: Special Project: ID#  
 Date Received: 2013-04-24  
 Date Reported: 2013-04-25  
 Lab ID Number: Your Number  
 Quality Control: Lab Tech

## RANGING GUIDELINE

*Typical Values found for each test trait*

### COMPOSITION ANALYSIS

Sample Identification: The Description provided with the sample

SEE INDEX

VARIABLE MEASURED	Unit	dry basis	as is basis	TYPICAL RANGE**
<b>1</b> Bulk Density.....	lbs-yd <sup>3</sup>	RELATIVE WET DENSITY OF ANY MATERIAL		300 - 1,200 (WET)
<b>2</b> Total Solids (dry matter).....	%	RELATIVE MOUNT OF DRY MATERIAL-SEE MOISTURE		20 - 70
<b>3</b> Moisture Content.....	%	THE QUANTITY OF MOISTURE AS IS		30 - 80
<b>4</b> Water Holding Capacity (calc)....	%	HOW MUCH WATER IT CAN HOLD FREELY		100 - 300 (DRY)
<b>5</b> Inert and Oversize Particles.....	%	WHAT DOES NOT PASS A 1/4" SCREEN		2 - 40 (WET)
<b>6</b> pH sat. paste in H <sub>2</sub> O.....	-logH+	ACID-BASE BALANCE		5 - 9
<b>7</b> Free Carbonates (CO <sub>3</sub> ).....(Range 1-3)		LIMESTONE EQUIVALENT, Semi-Quantitative		1 - 3 (high)
<b>8</b> Total Organic Matter . . . . .	%	THE COMUSTIBLE FRACTION (NON-MINERAL)		10 - 90 (DRY)
<b>9</b> Ash Content . . . . .	%	REMAINDER INORGANIC FRACTION AFTER OM TEST		10 - 90
<b>10</b> Total Carbon (Optional) . . . . .	%	CARBON CAPTURED AFTER COMBUSTION		½ the OM amount
<b>11</b> Conductivity (salinity).....	dS-m <sup>-1</sup>	SOLUBLE SALTS FOUND IN SATURATED MEDIA		2 - 15
<b>12</b> Carbon:Nitrogen (C:N) ratio....	w:w	TOTAL RATIO, AFTER INERTS ARE REMOVED		10 - 80
<b>13</b> CO <sub>2</sub> Respiratio as CO <sub>2</sub> -C mg/kg/ day		BIOLOGICALLY RELEASED CARBON DIOXIDE 24 HRS		100 - 5,000
<b>.....Seedling Response Assay, Biological Stability.....</b>				
<b>14</b> Cress Emergence.....	% of total	SEEDLING GERMINATION after 12-days		70 - 100
<b>15</b> Cress Biomass.....	% of control	YIELD (BIOMASS) OF SEEDLINGS, after 12-Days		50 - 150
<b>16</b> Auxinic Effects.....	Ranking 1-6	AUXIN HERBICIDE BIOASSAY Zero to High		0 - 5
<b>17</b> Germinable Weeds.....	#/liter	QUANTITY OF WEEDS THAT GERMINATE in 12D		0 - 10
<b>18</b> Respiration, Volumetric....(Solvita 4 hr)		CO <sub>2</sub> RATEON A VOLUME BASIS		1 - 8
<b>19</b> Ammonia Volatization.....(Solvita 4-Hr)		AMMONIA EMMISIONS ON A VOLUME BASIS		1 - 5
<b>20</b> Compost Maturity Index . . . (Calculated)		BASED ON CO <sub>2</sub> AND NH <sub>3</sub> RATE, ABOVE		Low (1) - High (8)

©2020 WOODS END LABORATORIES, Inc.

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

\*\* Ranges shown are typical for all composts fresh to completed

† For fuller explanation, see Woods End Laboratories, Inc. [Interpretation Sheet](#) provided with your test result