

# Control Laboratories

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Account No.:  
####  
Batch:  
Jan 00 A  
CODE:  
Prox. Analysis

Contact Name  
[Email Address](#)  
Company Name  
Address  
City, ST ZIP

Date Received: #####  
Sample ID: Client Sample ID  
Lab ID Number: 9999999-01

## Proximate Analysis

	As-Received	Dry Weight Basis	Method
Moisture	1.59 %	0.00 %	A
Bulk Density	0.060 g/cc 3.75 lb/cu ft	0.059 g/cc 3.69 lb/cu ft	
Carbon (C )	91.12 %	92.59 %	B
Hydrogen (H)	1.79 %	1.82 %	B
Nitrogen (N)	0.86 %	0.88 %	B
Oxygen (O -calc.)	0.40 %	0.41 %	Calc.
Ash	4.23 %	4.30 %	A
	100.00 Sum	100.00 Sum	
Volatiles	94.18 %	95.70 %	A
Butane Activity	14.22 g/100 g	14.45 g/100 g	C
Surface Area Correlation	583.9 m <sup>2</sup> /g	593.3 m <sup>2</sup> /g	E
Organic Carbon	90.6 %	92.1 %	Calc.
H/Corg.	0.24	0.24	Calc.
Carbonates (as CaCO <sub>3</sub> )	4.00 %	4.07 %	D

## Methods

- A ASTM D 1762-84
- B Dry Combustion
- C ASTM D 5742-95
- D ASTM 4373
- E Butane Activity Surface Area Correlation Based on McLaughlin, Shields, Jagiello, & Thiele's 2012 paper: Analytical Options for Biochar Adsorption and Surface Area

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