



## Analytical Report - PFI Pellet Analysis

West Oregon Wood Products LLC  
 PO Box 249  
 Columbia City, OR 97018

Company Contact: Jonas Sharron

<b>TP ID Number:</b>	DBL144013-1	<b>Sample Weight (lbs.):</b>	40.30
<b>Product Recognized As:</b>	Wood Pellets	<b>Sample Received:</b>	8/26/2014
<b>Sample Designation:</b>	8707-117	<b>Report Date:</b>	9/2/2014
<b>Packaging:</b>	Plastic Bag		
<b>Sample Date:</b>	N/A	<b>Purchase Order #:</b>	17074

### Compositional Analysis: Proximate/Ulimate Analysis

Parameter	As-Received	Oven Dry	Analytical Method	ISO 17025
Total Moisture (%)	5.49		ASTM E871	Q
Ash (%)	0.17	0.18	ASTM D1102	Q
Gross Calorific Value (BTU/lb.)	8283	8764	ASTM E711	Q
Chlorine (ppm)	185	196	ASTM D4208	Q

### Physical Characteristics:

Parameter	Result	Analytical Method	ISO 17025
Bulk Density (lbs./ft <sup>3</sup> )	45.3	PFI Specifications	Q
Length (wt.% >1.5inches, max. length)	0.00	PFI Specifications	Q
Diameter (mean)	0.250	PFI Specifications	Q
Fines (%)	0.28	PFI Specifications	Q
Durability Index	99.1	PFI Specifications	Q

### Analysis of Ash: Ash Fusion Temperatures/Mineral Ash Analysis

Ash Fusion Property	Oxidizing	Reducing	ASTM D1857	S
Initial Deformation Temp. (°F)				
Softening Temp. (°F)				
Hemispherical Temp. (°F)				
Fluid Temp. (°F)				



Prepared By: \_\_\_\_\_

*Chris Wiberg*

Findings are based on the sample submitted. TP Inspection is accredited by ALSC for the PFI/ALSC Densified Fuel Standards Program. TP Inspection is accredited by the International Accreditation Service to ISO 17025. Specific test procedures included in TP Inspection's scope of accreditation are identified with a "Q"

Outsourced parameters are marked with an "S"