

**Client Information**

Name: Orford Softwood

Project #: CBEC 2011-019

**Sample Information**

Date Received at the Lab: July 26, 2011      Date Analysed: July 27, 2011      Description: Pellet

Sample + Bag Mass (kg): 18.26      Bag Mass (g): 70.90

**Fuel Property**

	Method	Units	As Received	Oven-dry Basis	PFI Premium	PFI Standard	PFI Utility
Bulk Density	ASTM E873	lb/ft <sup>3</sup>	47.7	-	40.0 - 46.0	38.0 - 46.0	38.0 - 46.0
Diameter	PFI Standard, section 6.1.2	inches	0.251	-	0.230 - 0.285	0.230 - 0.285	0.230 - 0.285
Pellet Durability Index	PFI Standard, section 6.1.3; Annex A.1	%	99.1	-	≥ 96.5	≥ 95.0	≥ 95.0
Fines	PFI Standard, section 6.1.4	%	0.20	-	≤ 0.50	≤ 1.0	≤ 1.0
Length, > 1.50 inches	PFI Standard, section 6.1.7	%	0	-	≤ 1.0	≤ 1.0	≤ 1.0
Length, maximum	PFI Standard, section 6.1.7	inches	1.44	-	-	-	-
Inorganic Ash	ASTM D1102	%	-	0.30	≤ 1.0	≤ 2.0	≤ 6.0
Moisture Content	ASTM E871	%	-	5.7	≤ 8.0	≤ 10.0	≤ 10.0
Chloride	ASTM E776	ppm	9.9	-	≤ 300	≤ 300	≤ 300
Sodium	ASTM E776	ppm	47.1	-			
Heating Value	ASTM E711	Btu/lb	8124	8615	NA	NA	NA

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Date: August 09, 2011

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Date: August 09, 2011

The test results contained herein relate only to the specimens supplied for analysis. Canadian BioEnergy Centre (CBEC) is a registered laboratory with the Pellet Fuel Institute (PFI).