



1301 N. 3<sup>rd</sup> St. • Superior WI 54880 • 715-392-7114 • 800-373-2562 • F 715-392-7163 • www.twinportstesting.com

Tuman Hardwood Pellets  
 PO Box 877  
 152 Boyer Road  
 Galax, VA 24333

Date Received: 2/3/2010  
 Date Tested: 2/4/2010  
 Purchase Order #:

Attn: Mark Pennington, Ruth Elliott

Sample Log Number: 10C0434  
 Sample Designation: Premium Grade Pellet Bag

	MOISTURE & ASH FREE	MOISTURE FREE	AS RECEIVED	UNITS	METHOD
Moisture Total			4.98	% wt.	ASTM E871
Ash		0.34	0.33	% wt.	ASTM D1102
Sulfur		0.010	0.009	% wt.	ASTM D4239
Heating Value	8132	8104	7700	Btu/lb	ASTM E711

	MDL	MOISTURE FREE	AS RECEIVED	UNITS	METHOD
Chlorine	10	13	12	mg/kg	ASTM D6721

	AS RECEIVED	UNITS		AS RECEIVED	UNITS
Bulk Density	44.94	lbs/cu.ft.	Fines	0.16	% wt.
Sample Above 1.50 In	0.0	%	Durability Index	98.2	
Maximum Length	2.044	inch	Stated Bag Wt.	40.0	lbs
Diameter, Range	0.258 to 0.261	inch	Actual Bag Wt.	39.9	lbs
Diameter, Average	0.259	inch			

Prepared By: *Shawn Ard*

Date: 2/8/10