



Twin Ports Testing, Inc.
 1301 North 3rd Street
 Superior, WI 54880
 p: 715-392-7114
 p: 800-373-2562
 f: 715-392-7163
 www.twinportstesting.com

Report No: USR:W216-0736-01
Issue No: 1

Analytical Test Report

Client: VERMONT WOOD PELLET
 1105 Route 7B Central
 North Clarendon, VT 05759
Attention: Tiffany Densmore
PO No: 544777

Signed: *Katy Mickelson*
 Katy Mickelson
 Senior Chemist
 Date of Issue: 8/23/2016
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Sample Details			
Sample Log No:	W216-0736-01	Sample Date:	8/10/2016
Sample Designation:	Test M	Sample Time:	
Sample Recognized As:	Wood Pellets	Arrival Date:	8/16/2016

Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		3.78
Ash	ASTM D1102	wt. %	0.13	0.13
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	ASTM D3172	wt. %		
Sulfur	ASTM D4239	wt. %	0.005	0.005
SO₂	Calculated	lb/mmbtu		0.011
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne		
Net Cal. Value at Const. Pressure	ISO 1928	J/g		
Gross Cal. Value at Const. Vol.	ASTM E711	J/g	21236	20433
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	9130	8785

Carbon	ASTM D5373	wt. %		
Hydrogen*	ASTM D5373	wt. %		
Nitrogen	ASTM D5373	wt. %		
Oxygen*	ASTM D3176	wt. %		

*Note: As received values do not include hydrogen and oxygen in the total moisture.

Chlorine	ASTM D6721	mg/kg		
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg		

Bulk Density	ASTM E873	lbs/ft ³		
Fines (Less than 1/8")	TPT CH-P-06	wt. %		
Durability Index	Kansas State	PDI		
Sample Above 1.50"	TPT CH-P-06	wt. %		
Maximum Length (Single Pellet)	TPT CH-P-06	inch		
Diameter, Range	TPT CH-P-05	inch		to
Diameter, Average	TPT CH-P-05	inch		
Stated Bag Weight	TPT CH-P-01	lbs		
Actual Bag Weight	TPT CH-P-01	lbs		

Comments