



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:W217-0127-03
Issue No: 1

Analytical Test Report

Client: MEACH COVE TRUST
 P.O. Box 309
 Shelburne, VT 05482
Attention: Christopher W. Davis
PO No:

Signed: *Katy Mickelson*
 Katy Mickelson
 Senior Chemist
 Date of Issue: 2/20/2017
THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details			
Sample Log No:	W217-0127-03	Sample Date:	2/6/2017
Sample Designation:	Vermont Wood Pellet 100% Pine	Sample Time:	
Sample Recognized As:	Wood Pellets	Arrival Date:	2/9/2017

Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		6.43
Ash	ASTM D1102	wt. %	0.23	0.22
Volatile Matter	ASTM D3175	wt. %	81.44	76.20
Fixed Carbon by Difference	ASTM D3172	wt. %	18.33	17.15
Sulfur	ASTM D4239	wt. %	0.006	0.006
SO ₂	Calculated	lb/mmbtu		0.013
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne	19.70	18.28
Net Cal. Value at Const. Pressure	ISO 1928	J/g	19702	18277
Gross Cal. Value at Const. Vol.	ASTM E711	J/g	21033	19680
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	9043	8461
Carbon	ASTM D5373	wt. %	51.66	48.33
Hydrogen*	ASTM D5373	wt. %	6.12	5.73
Nitrogen	ASTM D5373	wt. %	< 0.20	< 0.19
Oxygen*	ASTM D3176	wt. %	> 41.79	> 39.10

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

Chlorine	ASTM D6721	mg/kg	27	25
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