



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:W217-0127-01
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
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Sample Details

Sample Log No: W217-0127-01 **Sample Date:** 2/6/2017
Sample Designation: Energex, Canada 50% Softwood/50% Hardwood **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. %		5.16
Ash	ASTM D1102	wt. %	0.68	0.65
Volatile Matter	ASTM D3175	wt. %	80.62	76.47
Fixed Carbon by Difference	ASTM D3172	wt. %	18.69	17.73
Sulfur	ASTM D4239	wt. %	0.010	0.009
SO ₂	Calculated	lb/mmbtu		0.021
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne	18.85	17.76
Net Cal. Value at Const. Pressure	ISO 1928	J/g	18854	17756
Gross Cal. Value at Const. Vol.	ASTM E711	J/g	20165	19125
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8670	8223

Carbon	ASTM D5373	wt. %	50.24	47.64
Hydrogen*	ASTM D5373	wt. %	6.02	5.71
Nitrogen	ASTM D5373	wt. %	< 0.20	< 0.19
Oxygen*	ASTM D3176	wt. %	> 42.85	> 40.64

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

Chlorine	ASTM D6721	mg/kg	102	97
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