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Report No: USR:W217-1009-01
Issue No: 1

Analytical Test Report

Client: BAREFOOT PELLET COMPANY
 22685 Route 14
 Troy, PA 16947
Attention: Mike Davison
PO No:

Signed: *Katy Mickelson*
 Katy Mickelson
 Senior Chemist
 Date of Issue: 12/4/2017
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Sample Details
Sample Log No: W217-1009-01 **Sample Date:**
Sample Designation: 40 Lb Pellet Bag **Sample Time:**
Sample Recognized As: Wood Pellets **Arrival Date:** 11/20/2017

Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		3.29
Ash	ASTM D1102	wt. %	0.40	0.38
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	ASTM D3172	wt. %		
Sulfur	ASTM D4239	wt. %	0.011	0.010
SO ₂	Calculated	lb/mmbtu		0.024
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	19855	19202
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8537	8256
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	21	21
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg		
Bulk Density	ASTM E873	lbs/ft ³		45.93
Fines (Less than 1/8")	TPT CH-P-06	wt. %		0.13
Durability Index	Kansas State	PDI		98.4
Sample Above 1.50"	TPT CH-P-06	wt. %		0.0
Maximum Length (Single Pellet)	TPT CH-P-06	inch		1.239
Diameter, Range	TPT CH-P-05	inch	0.248 to	0.261
Diameter, Average	TPT CH-P-05	inch		0.257
Stated Bag Weight	TPT CH-P-01	lbs		40.0
Actual Bag Weight	TPT CH-P-01	lbs		40.5

Comments