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Report No: USR:W216-0401-01
Issue No: 1

Analytical Test Report

Client: PROPELLET
 807 Broadway Street NE Suite 185
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Attention: Kathy Osborne
PO No: 36695

Signed: *Katy Mickelson*
 Katy Mickelson
 Senior Chemist
 Date of Issue: 5/3/2016
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Sample Details			
Sample Log No:	W216-0401-01	Sample Date:	4/26/2016
Sample Designation:	PP-01 Fuel Pellet	Sample Time:	
Sample Recognized As:	Wood Pellets	Arrival Date:	4/27/2016

Test Results				
	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		8.90
Ash	ASTM D1102	wt. %	0.75	0.68
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	ASTM D3172	wt. %		
Sulfur	ASTM D4239	wt. %	0.030	0.027
SO ₂	Calculated	lb/mmbtu		0.065
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	20417	18599
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8778	7997
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	210	191
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg		
Bulk Density	ASTM E873	lbs/ft ³		39.69
Fines (Less than 1/8")	TPT CH-P-06	wt. %		0.26
Durability Index	Kansas State	PDI		96.9
Sample Above 1.50"	TPT CH-P-06	wt. %		0.0
Maximum Length (Single Pellet)	TPT CH-P-06	inch		1.367
Diameter, Range	TPT CH-P-05	inch	0.252 to	0.259
Diameter, Average	TPT CH-P-05	inch		0.255
Stated Bag Weight	TPT CH-P-01	lbs		0.0
Actual Bag Weight	TPT CH-P-01	lbs		22.9

Comments