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Report No: USR:W221-0444-01
Issue No: 1

Analytical Test Report

Client: BAREFOOT PELLETT COMPANY
 22721 Route 14
 Troy, PA 16947
Attention: Jeff Persing
PO No:

Signed: *Katy Jahr*
 Katy Jahr
 Chemistry Lab Supervisor
Date of Issue: 8/16/2021
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Sample Details
Sample Log No: W221-0444-01
Sample Designation: Hardwood Pellet Fuel
Sample Recognized As: Biomass Pellets
Sample Date:
Sample Time:
Arrival Date: 8/5/2021

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		3.68
Ash	ASTM D1102	wt. %	0.51	0.49
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	ASTM D3172	wt. %		
Sulfur	ASTM D4239	wt. %	0.017	0.016
SO ₂	Calculated	lb/mmbtu		0.040
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne		
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8525	8212
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	33	32
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg		
Bulk Density	ASTM E873	lbs/ft ³		45.40
Fines (Less than 1/8")	TPT CH-P-06	wt. %		0.21
Durability Index	Kansas State	PDI		97.3
Sample Above 1.50"	TPT CH-P-06	wt. %		0.5
Maximum Length (Single Pellet)	TPT CH-P-06	inch		1.811
Diameter, Range	TPT CH-P-05	inch	0.259 to	0.262
Diameter, Average	TPT CH-P-05	inch		0.261
Stated Bag Weight	TPT CH-P-01	lbs		40.0
Actual Bag Weight	TPT CH-P-01	lbs		40.6

Comments:



Accreditation #60243

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