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Report No: USR:W224-0005-01
Issue No: 1

Analytical Test Report

Client: VERMONT WOOD PELLET
 1105 Route 7B Central
 North Clarendon, VT
Attention:
PO No: 827080

Signed: *Katy Jahr*
 Katy Jahr
 Chemistry Lab Supervisor
 Date of Issue: 2/1/2024
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Sample Details			
Sample Log No:	W224-0005-01	Sample Date:	12/27/2023
Sample Designation:	12/27/23	Sample Time:	
Sample Recognized As:	Wood Pellets	Arrival Date:	1/2/2024

Test Results				
	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		4.67
Ash	ASTM D1102	wt. %	0.19	0.18
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	ASTM D3172	wt. %		
Sulfur	ASTM D4239	wt. %	0.100	0.095
SO ₂	Calculated	lb/mmbtu		0.226
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne		
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8870	8456
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		
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:



Accreditation #60243

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