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**Report No:** USR:W224-0372-01  
**Issue No:** 1

# Analytical Test Report

**Client:** VERMONT WOOD PELLET  
 1105 Route 7B Central  
 North Clarendon, VT  
**Attention:**  
**PO No:** 910388

Signed: *Katy Jahr*  
 Katy Jahr  
 Chemistry Lab Supervisor  
 Date of Issue: 10/17/2024  
THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

| Sample Details               |              |                      |           |
|------------------------------|--------------|----------------------|-----------|
| <b>Sample Log No:</b>        | W224-0372-01 | <b>Sample Date:</b>  | 9/24/2024 |
| <b>Sample Designation:</b>   | 9-24-24      | <b>Sample Time:</b>  |           |
| <b>Sample Recognized As:</b> | Wood Pellets | <b>Arrival Date:</b> | 10/7/2024 |

| Test Results  |              |                     |               |             |
|---|--------------|---------------------|---------------|-------------|
|   | METHOD       | UNITS               | MOISTURE FREE | AS RECEIVED |
| Moisture Total  | ASTM E871    | wt. %               |               | 4.87        |
| Ash   | ASTM D1102   | wt. %               | 0.17          | 0.16        |
| Volatile Matter   | ASTM D3175   | wt. %               |               |             |
| Fixed Carbon by Difference  | ASTM D3172   | wt. %               |               |             |
| Sulfur  | ASTM D4239   | wt. %               | 0.070         | 0.067       |
| SO <sub>2</sub>   | Calculated   | lb/mmbtu            |               | 0.155       |
| Net Cal. Value at Const. Pressure   | ISO 1928     | GJ/tonne            |               |             |
| Gross Cal. Value at Const. Vol.   | ASTM E711    | Btu/lb              | 9007          | 8568        |
| 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 <sup>3</sup> |               |             |
| 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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