Twin Ports Testing, Inc.
1301 North 3rd Street
Superior, WI 54880
p: 715-392-7114
p: 800-373-2562
f: 715-392-7163
www.twinportstesting.com

Analytical Test Report

Report No: USR:W212-0742-01
Issue No: 1
This report replaces all previous issues

Client: TURMAN HARDWOOD PELLETS
152 Boyer Rd
Galax VA 24333
Attention: Mark Pennington

PO No:

Signed:

Stephen Sundeen
Laboratory Manager / Senior Chem

Date of Issue: 6/29/2012

Sample Details

Sample Log No: W212-0742-01
Sample Designation:
Sample Recognized As: Pellets
Sample Date:
Sample Time:
Arrival Date: 6/27/2012

Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		3.56
Ash	ASTM D1102	wt. %	0.29	0.28
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	Calculated	wt. %		
Sulfur	ASTM D4239	wt. %	0.008	0.007
SO_2	Calculated	lb/mmbtu		0.017
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	19737	19035
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8486	8184
Carbon	ASTM D5373	wt. %		
Hydrogen	ASTM D5373	wt. %		
Nitrogen	ASTM D5373	wt. %		
Oxygen	ASTM D3176	wt. %		
Chlorine	ASTM D6721	mg/kg	22	22
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg		
Bulk Density	ASTM E873	lbs/ft^3		45.28
Fines (Less than 1/8")	TPT CH-P-06	wt.%		0.43
Durability Index	Kansas State	PDI		96.4
Sample Above 1.50"	TPT CH-P-06	wt.%		0.0
Maximum Length (Single Pellet)	TPT CH-P-06	inch		1.464
Diameter, Range	TPT CH-P-05	inch	0.263 to	0.273
Diameter, Average	TPT CH-P-05	inch		0.268
Stated Bag Weight	TPT CH-P-01	lbs		40.0
Actual Bag Weight	TPT CH-P-01	lbs		35.9

Comments