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Report No: USR:W213-0424-02
Issue No: 1
This report replaces all previous issues

Analytical Test Report

Client: TOTALLY GREEN BOTTLES AND CAPS, LLC
 401 Reed St
 Red Oak, IA 59566
Attention: Bill Horner
PO No:

Signed: 
 Stephen Sundeen
 Chemistry Laboratory Manager
 Date of Issue: 4/29/2013
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details
Sample Log No: W213-0424-02 **Sample Date:**
Sample Designation: caps **Sample Time:**
Sample Recognized As: **Arrival Date:** 4/16/2013

Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		0.74
Ash	ASTM D1102	wt. %	11.92	11.83
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	Calculated	wt. %		
Sulfur	ASTM D4239	wt. %	0.005	0.005
SO ₂	Calculated	lb/mmbtu		0.013
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne	16.44	16.30
Net Cal. Value at Const. Pressure	ISO 1928	J/g	16439	16300
Gross Cal. Value at Const. Vol.	ASTM E711	J/g	17605	17475
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	7569	7513
Carbon	ASTM D5373	wt. %	46.31	45.97
Hydrogen*	ASTM D5373	wt. %	5.36	5.32
Nitrogen	ASTM D5373	wt. %	< 0.20	< 0.20
Oxygen*	ASTM D3176	wt. %	> 36.20	> 35.93
*Note: As received values do not include hydrogen and oxygen in the total moisture.				
Chlorine	ASTM D6721	mg/kg	74	73
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