

# SABINE LABORATORIES

CASE NO. 345710

## CERTIFICATE OF ANALYSIS

14 April 2010

**VESSEL NAME:**

**CARGO DESCRIPTION:**

Petroleum Coke

**LOADPORT:**

United Bulk Terminal – Davant, LA

**DATE LOADED:**

7 - 8 April 2010

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>	<u>Method</u>
% Moisture	9.56	--	ASTM D4931
% Ash	0.75	0.83	ASTM D5142
% Volatile Matter	11.23	12.42	ASTM D5142
% Fixed Carbon	78.46	86.75	ASTM D3172

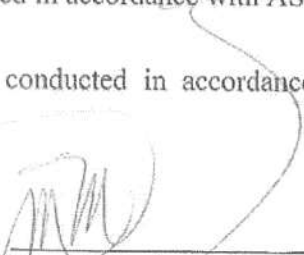
### ADDITIONAL ANALYSIS

% Sulfur	3.86	4.27	ASTM D4239
Gross Calorific Value (BTU/lb.)	13,829	15,291	ASTM D5865
Gross Calorific Value (Kcal/kg)	7,683	8,495	ASTM D5865
Net Calorific Value (BTU/lb.)	13,401	14,928	ASTM D5865
Net Calorific Value (kcal/kg.)	7,445	8,293	ASTM D5865
Hardgrove Grindability Index	56		ASTM D5003

### NOTES

Samples of Petroleum Coke were obtained in accordance with ASTM D2234 during loading of the above named vessel on 7 - 8 April 2010.

Composite samples were prepared and analysis conducted in accordance with applicable ASTM standards as listed above.

  
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Captain Nasir M. Khan  
New Orleans Area Manager  
SABINE SURVEYORS, LTD.