

# 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:**

6 - 7 April 2010

### PROXIMATE ANALYSIS

	<u>As Received</u>	<u>Dry Basis</u>	<u>Method</u>
% Moisture	9.79	--	ASTM D4931
% Ash	0.27	0.30	ASTM D5142
% Volatile Matter	11.38	12.62	ASTM D5142
% Fixed Carbon	78.56	87.08	ASTM D3172

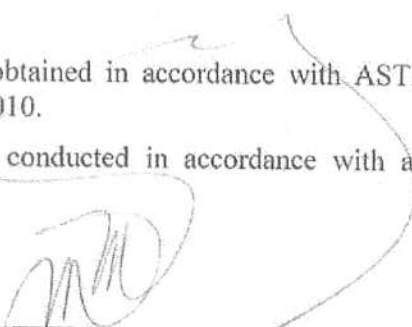
### ADDITIONAL ANALYSIS

% Sulfur	4.03	4.47	ASTM D4239
Gross Calorific Value (BTU/lb.)	13,913	15,423	ASTM D5865
Gross Calorific Value (Kcal/kg)	7,729	8,568	ASTM D5865
Net Calorific Value (BTU/lb.)	13,487	15,063	ASTM D5865
Net Calorific Value (kcal/kg.)	7,493	8,369	ASTM D5865
Hardgrove Grindability Index	95		ASTM D5003

### NOTES

Samples of Petroleum Coke were obtained in accordance with ASTM D2234 during loading of the above named vessel on 6 - 7 April 2010.

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

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