



CERTIFICATE OF SAMPLING AND ANALYSIS

SHIPPER : [REDACTED]
CONSIGNEE : [REDACTED]
NOTIFY ADDRESS : [REDACTED]
NAME OF VESSEL : TB. PRIMA 1627 / BG. GEMILANG 3058
QUANTITY : 8,228.183 MT
PORT OF LOADING : TERSUS PT. HASNUR JAYA INTERNATIONAL, SUNGAI PUTTING,
KALIMANTAN SELATAN
PORT OF DISCHARGE : MARUNDA, JAKARTA UTARA
DESCRIPTION OF GOODS : INDONESIAN STEAM COAL IN BULK
DATE OF INTERVENTION : MARCH 12th - 13th, 2022

Samples were taken with ASTM D2234/2234M-10 and prepare in accordance with ASTM D2013/D2013M-09

That upon the request of the Principals, we carried out analysis of the above shipment with specifications in accordance with ASTM standards,

Typical specifications of coal (as per ASTM standard) :

PARAMETERS	BASIS	ACTUAL RESULTS
Total Moisture	(As Received Basis)	6.99 pct
Inherent Moisture	(Air Dried Basis)	4.39 pct
Ash	(Air Dried Basis)	14.32 pct
Volatile Matter	(Air Dried Basis)	41.55 pct
Fixed Carbon	(Air Dried Basis)	37.74 pct
Sulphur	(Air Dried Basis)	0.49 pct
Gross Calorific Value	(As Received Basis)	6,099 Kcal/Kg
Gross Calorific Value	(Air Dried Basis)	6,297 Kcal/Kg
Gross Calorific Value	(Dry Ash Free)	7,816 Kcal/Kg
HGI	Index	56 -
Sizing	0 - 50 mm	84.10 %

Signed for and on behalf of

PT. Triyasa Pirsu Utama

Issued by Independent Inspection Agency At

Loading Port PT. Triyasa Pirsu Utama / PT. OOWLI

Date issued : March 16th, 2022


Doni Chandrasari
Head of Laboratory

Job No. : C0319121501-TDSAV-AF
Cert. No. : C02.I.05B20.010

CERTIFICATE OF SAMPLING AND ANALYSIS

VESSEL : MV. SFL HUMBER
QUANTITY : 54,450 MT
DESCRIPTION OF GOODS : INDONESIAN STEAM COAL IN BULK
SHIPPER : 
TIMUR, DAERAH KHUSUS IBUKOTA JAKARTA.
CONSIGNEE : TO ORDER
NOTIFY PARTY : DONG BAC CORPORATION
ADDRESS: HONG HAI WARD, HA LONG CITY,
QUANG NINH PROVINCE, VIETNAM
PORT OF LOADING : MUARA BERAU ANCHORAGE, SAMARINDA, EAST KALIMANTAN, INDONESIA
PORT OF DISCHARGE : GO GIA ANCHORAGE, VIETNAM
DATE OF INTERVENTION : JUNE 11 - JUNE 29, 2022

THIS IS TO CERTIFY THAT WE HAVE PERFORMED INSPECTION, SAMPLING AND ANALYSIS OF THE COAL CONSIGNMENT NOMINATED ABOVE.

RESULTS AS SHOWN BELOW DETERMINED IN ACCORDANCE WITH ASTM STANDARDS.

SPECIFICATIONS IN ACCORDANCE WITH ASTM STANDARDS

PARAMETERS	ANALYSIS BASIS	ACTUAL ANALYSIS RESULTS	TEST STANDARD/METHOD
GROSS CALORIFIC VALUE	(AS RECEIVED BASIS) :	4210 KCAL/KG	ASTM D5865-13
GROSS CALORIFIC VALUE	(AIR DRIED BASIS) :	5486 KCAL/KG	ASTM D5865-13
NET CALORIFIC VALUE	(AS RECEIVED BASIS) :	3838 KCAL/KG	ASTM D5865-13
TOTAL MOISTURE	(AS RECEIVED BASIS) :	34.25 %	ASTM D3302M-17
INHERENT MOISTURE	(AIR DRIED BASIS) :	14.32 %	ASTM D3173M-17A
ASH CONTENT	(AIR DRIED BASIS) :	5.87 %	ASTM D3174-12
FIXED CARBON	(AIR DRIED BASIS) :	39.40 %	ASTM D3172-13
VOLATILE MATTER	(AIR DRIED BASIS) :	40.41 %	ASTM D3175-17
TOTAL SULPHUR	(AIR DRIED BASIS) :	0.68 %	ASTM D4239-18
HARD GROVE INDEX	:	48	ASTM D409M-16
SIZE (0-50 MM)	:	90.9 %	ASTM D4749-87
ASH FUSION TEMPERATURE (IDT)	:	1100 DEG CELSIUS	ASTM D1857M-18
MAXIMUM COAL SIZE	:	90.0 MM	ASTM D4749-87

This certificate refers to sampling for quality analysis and sizing only and does not certify any other matters.
It reflects to our finding at time and place of intervention only and is issued without prejudice.

July 05, 2022

PT. ANINDYA WIRAPUTRA KONSULT AT LOADING PORT





CERTIFICATE OF SAMPLING AND ANALYSIS

SHIPPER

CONSIGNEE

NOTIFY PARTY

NAME OF VESSEL

QUANTITY

PORT OF LOADING

PORT OF DISCHARGE

DESCRIPTION OF GOODS

DATE OF INTERVENTION

[REDACTED] v. 61E,
[REDACTED] Kalimantan Selatan
BEST ENTERPRISE/RESCUE TECHNOLOGY/CRUISE NO. 7
[REDACTED]
Banung 42700, Banung Selangor, Malaysia
: TO ORDER
: **TB. PRIME 15 / BG. TGH 2519**
: **5,125.706 MT**
: Jetty PT. Saijaan Prima Coal, Kotabaru, Kalimantan Selatan
: Port Klang, Malaysia
: Indonesian Steam Coal In Bulk
: April 27 - 28, 2022

THIS IS TO CERTIFY That we have performed the inspection, sampling and analysis of the coal consignment nominated above. Samples were taken during loading and analyzed in accordance with ASTM standards and on "air dried basis" unless otherwise specified.

Typical specifications of coal (as per ASTM standard) :

PARAMETER	BASIS	RESULTS	STANDARD NO.
Total Moisture	(As Received Basis)	15.23 Pct	ASTM D3302
Inherent Moisture	(Air Dried Basis)	6.22 Pct	ASTM D3173
Ash	(Air Dried Basis)	9.13 Pct	ASTM D3174
Volatile Matter	(Air Dried Basis)	44.04 Pct	ASTM D3175
Fixed Carbon	(Air Dried Basis)	40.61 Pct	ASTM D3172
Sulphur	(Air Dried Basis)	0.55 Pct	ASTM D4239
Gross Calorific Value	(As Received Basis)	5,852 Kcal/Kg	ASTM D5865
Gross Calorific Value	(Air Dried Basis)	6,474 Kcal/Kg	ASTM D5865
Gross Calorific Value	(Dry Ash Free)	7,648 Kcal/Kg	ASTM D5865

Signed for and on behalf of

PT. Triyasa Pirsu Utama


Doni Chandra

Head of Laboratory

Issued by Independent Surveyor At Loading Port

Date Issued : May 02, 2022