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PT. SURVEYOR CARBON CONSULTING INDONESIA (SCCI)
INDEPENDENT ASSURANCE SERVICES

Certificate No. : BJB 15796 QQ

CERTIFICATE OF SAMPLING AND ANALYSIS

Vessel : MV. SHEFFIELD
Quantity : 55,000 MT
Port of Loading : MUARA ASAM ASAM ANCHORAGE, SOUTH KALIMANTAN, INDONESIA
Port of Discharge : KOH SICHANG ANCHORAGE, THAILAND
Description of Goods : INDONESIAN STEAM COAL IN BULK
BL Date : DECEMBER 03, 2019

THIS IS TO CERTIFY, that we have performed the inspection of the coal consignment nominated above. Gross samples were drawn manually of moving stream during loading to the barge for general analysis purpose in accordance with ASTM D2234 Standard Methods. Gross samples were drawn manually by grid system at stationary coal on the vessel's hold for total moisture purpose in accordance with ASTM D6883 Standard Methods. Samples were prepared and analyzed in accordance with ASTM Standard Methods, the actual result are as follows:

PARAMETERS		Actual Results	
GROSS CALORIFIC VALUE	(ARB)	: 4633	KCAL/KG
TOTAL MOISTURE	(ARB)	: 27.06	PCT
INHERENT MOISTURE	(ADB)	: 13.62	PCT
ASH CONTENT	(ADB)	: 5.57	PCT
VOLATILE MATTER	(ADB)	: 42.67	PCT
TOTAL SULPHUR	(ADB)	: 0.22	PCT
FIXED CARBON	(ADB)	: 38.14	BY DIFFERENCE
HARDGROVE GRINDABILITY INDEX (HGI)		: 58	
SIZE (0-50 MM)		: 85.54	PCT

DECEMBER 06, 2019,
ISSUED BY PT. SCCI AT LOADING PORT



This certificate reflects our finding at time and place of inspection and does not refer to any other matter. This certificate is issued without prejudice and on the understanding that it does not relieve parties from their contractual obligations. All inspection covered in this certificate have been carried out to the best of our knowledge and ability and in accordance with practice and standard generally accepted in trade. Our responsibility is limited to the exercise of reasonable care and due diligence.
013/Form-ROA/Adao Rev.0

