



INCOLAB SERVICES RUSSIA S.C.
COMMODITY SAMPLERS AND ANALYTICAL CHEMISTS

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Certificate of Sampling and Analysis

TO WHOM IT MAY CONCERN

We have examined the sample(s) of
and report the following to be the result:

Date : 17 December 2023
Our ref. : 2312166RUS Ro
Material : ANTHRACITE COAL (6-13 MM)
By : Sampling/Preloading Analysis
Ex. : m/v "QUEEN B II"
Lot : AVERAGE
Weight : 5'102.203 mt
Port of loading : ROSTOV-ON-DON, RUSSIA
Port of discharge : ICDAS PORT 1 MARMARA SEA CANAKKALE, TURKEY
Shipper : OOO «Shakhtoupravlenie Sadkinskoe»
ON BEHALF OF DEKOM DEMİR VE KÖMÜR TİCARET ANONİM ŞİRKETİ
Consignee/Notify : ICDAS CELİK ENERJİ TERSANE VE ULASIM SANAYİ A.S.,
Türkiye
Date of inspection : 15 - 16 December 2023
Custom Tariff No : 2701.11.00.00.00

We, the undersigned Incolab Services R.S.C., confirm to have attended the loading and sampling the material of anthracite, which was loaded on board of the vessel "QUEEN B II" on 15 - 16 December 2023 at the port of Rostov-on-Don, Russia.

SAMPLING

Sampling of anthracite was carried out during all loading in accordance with I.S.O. Standards 18283.

ANALYSIS

TOTAL MOISTURE	:	8.0 %	ISO 589
ASH IN DRY	:	7.3 %	ISO 1171
ASH AS RECEIVED	:	6.7 %	
VOLATILE MATTER IN DRY	:	2.7 %	ISO 562
VOLATILE MATTER AS RECEIVED	:	2.5 %	
SULPHUR IN DRY	:	1.28 %	ISO 19579
SULPHUR AS RECEIVED	:	1.18 %	
FIXED CARBON IN DRY	:	90.0 %	ISO 17246
FIXED CARBON AS RECEIVED	:	82.8 %	

SIZING TEST

	+	6	mm	:	80.7 %
6	-	3	mm	:	9.1 %
3	-	1	mm	:	5.7 %
	-	1	mm	:	4.5 %
					100.0 %

Sizing test was carried out using square mesh sieves in accordance with ISO 1953.

For and on behalf of
Incolab Services R.S.C.

