

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

HEAD OFFICE AND LABORATORY:

25/2, litera A, ul. Novostroek 198152 St. Petersburg Russia Telephone: (812) 3206033 (812) 6034068 (812) 6034196 (812) 4071392 E-mail: inco@incolab.ru

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:

he resu	ult:						
	Date	:	18 January 2024				
	Our ref.	:	2401341RUS Ye				
	Material	:	COAL IN BULK				
	Ex.	:	m/v "VOLARIS-52"				
	Lot	:	AVERAGE				
	Weight	:	5'296.733 mt				
	Port	:	KAVKAZ, RUSSIA				
	Sampling date	:	13 - 14 January 2024				

We, the undersigned Incolab Services R.S.C., confirm to have attended the loading and sampling the material of coal, which was loaded on board of the vessel "VOLARIS-52" on 13 - 14 January 2024 at the ports of Kavkaz.

SAMPLING

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

ANALYSIS

SIZING

	TOTAL MOISTURE					:	11.6	0 0	ISO 589
	ASH IN DRY					•	10.5	8	ISO 1171
	ASH AS RECEIVED						9.3		
						•	5.5	0	
	VOLATILE MATTER	IN DR	Y			•	10.4	ક	ISO 562
	VOLATILE MATTER			`			9.2		
		022122			•	5.2	0		
	GROSS AND NET C	ALORIF	IC VAI	UE					ISO 1928
	GROSS CALORIFIC	VALUE	IN DE	RY		:	7599	kcal/kg	
	GROSS CALORIFIC						6718		
		110 111			•	0/10	Real, Ng		
	NET CALORIFIC V	ALUE T	N DRY			:	7430	kcal/kg	
	NET CALORIFIC V		TVED		•	6504			
		0 1000			•	0001	nour, ng		
	SULPHUR IN DRY					:	0.64	રુ	ISO 19579
	SULPHUR AS RECEIVED					:	0.57	8	
	PHOSPHORUS IN D				:	0.10	ક	ASTM D 6349	
	PHOSPHORUS AS R	D			:	0.09	રુ		
	FIXED CARBON IN				:	79.1	8	ISO 17246	
	FIXED CARBON AS	VED			:	69.9	ક		
	Na_2O+K_2O IN ASH				:	2.0	રુ		
	H.G.I.					:	68		ISO 5074
T	IST		_						
			+	50	mm	:	4.3 %	5	
	50		-	6	mm	:	49.0 원	CERVICE	
			-	6	mm	:	46.7/8	BSERVICES	D.
							100 0 8	5	100
							107		701/1

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

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

RUSSIA