



**INCOLAB SERVICES LATVIA**  
**COMMODITY SAMPLERS AND ANALYTICAL CHEMISTS**

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TO WHOM IT MAY CONCERN

**Certificate of Analysis**

Date : 20 March 2023  
Our ref. : LV2303031VE  
Material : Coal (+30 mm)  
Ex : Stockpile  
Lot  
Port  
Sampling date : 16 March 2023

TOTAL MOISTURE	:	11.7 %	ISO 589
INHERENT MOISTURE IN AIR DRY	:	5.7 %	ISO 11722
ASH IN DRY	:	2.5 %	ISO 1171
ASH AS RECEIVED	:	2.2 %	
VOLATILE MATTER IN DRY	:	46.9 %	ISO 562
VOLATILE MATTER AS RECEIVED	:	41.4 %	
GROSS AND NET CALORIFIC VALUE			ISO 1928
GROSS CALORIFIC VALUE IN DRY(Qv)	:	7 250 kcal/kg	30 355 kJ/kg
GROSS CALORIFIC VALUE AS RECEIVED(Qv)	:	6 403 kcal/kg	26 810 kJ/kg
NET CALORIFIC VALUE AS RECEIVED (Qv)	:	6 100 kcal/kg	25 538 kJ/kg
SULPHUR IN DRY	:	0.27 %	ISO 19579
SULPHUR AS RECEIVED	:	0.24 %	

SIZING TEST

	+	300	mm	:	0.0	%	ISO 1953
300	-	200	mm	:	1.4	%	
200	-	150	mm	:	2.9	%	
150	-	100	mm	:	6.4	%	
100	-	80	mm	:	13.5	%	
80	-	70	mm	:	9.1	%	
70	-	50	mm	:	24.9	%	
50	-	31.5	mm	:	27.8	%	
31.5	-	25	mm	:	8.9	%	
25	-	10	mm	:	3.3	%	
10	-	8	mm	:	0.2	%	
8	-	3.15	mm	:	0.4	%	
	-	3.15	mm	:	1.2	%	
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					100.0	%	

Sizing test was performed manually on the square aperture sieves. Sieves are fully according to ISO 3310-1 and ISO 3310-2. Sizing test was performed as dry sizing.

For and on behalf of,  
INCOLAB SERVICES LATVIA

