



Dansk Træemballage A/S
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ANALYTICAL REPORT

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Analyses of Solid Biofuels

Journal no.: W24-527
 Report date: 03.07.2024

Sample mark: Dansk Træemballage Stampemøllen Juni 2024
 Description: -Wood Pellets-
 Sample size: 15,0 kg
 Received: 19.06.2024
 Analysed: 19.06.2024 - 03.07.2024
 Sample preparation: According to DS/EN 14780 (2017)

Parameter	Method	Unit	Results		
			as received	dry basis	dry, ashfree
Total Moisture	DS/EN ISO 18134-1 (2015)	%	4,5 ± 0,3		
Ash *	DS/EN ISO 18122 (2015)	%	0,35	0,37	
Net Calorific Value *	Calculated on received sample ¹⁾	MJ/kg	18,0	18,9	19
		Mcal/kg	4,3		
Average diameter *	DS/EN ISO 17829 (2015)	mm	8,0		
		Standard deviation	mm	0,1	
Average length *	DS/EN ISO 17829 (2015)	mm	13,2		
		Standard deviation	mm	3,6	
Durability mechanical	DS/EN ISO 17831-1 (2015)	%	98,9		
Particles < 6,3 mm *	DS/EN ISO 17831-1 (2015)	%	0,2		
Bulk density *	DS/EN ISO 17828 (2015)	kg/m ³	710		
Ash Fusibility	DS/EN ISO 21404 (2020)	Unit	In dry ash prepared at 550 °C		
Deformation temperature		Oxidizing atmosphere	°C	1280	- repeatability 30
Hemisphere temperature		Cylinder	°C	1410	- repeatability 30
Flow temperature			°C	1430	- repeatability 30

The reported expanded uncertainty provides a level of confidence of app. 95 %

¹⁾ Net Calorific Value is calculated from the measured content of moisture and ash, as well as an experienced value base of 19 MJ/kg for the net calorific value of wood pellets on the combustible substance (dry- and ashfree base).

The majority of biofuels analyzed have a net calorific value, on dry- and ashfree base, between 18,5-19,5 MJ/kg.

* Not included in this accreditation.

F. Hinz Kurt

Jesper Hinz
 Specialist