



Dansk Træemballage A/S  
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## ANALYTICAL REPORT

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### Analyses of Solid Biofuels

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Sample mark: Dansk Træemballage Stampemøllen Marts 2023  
Description: -Wood Pellets-  
Sample size: 16,0 kg  
Received: 21.02.2023  
Analysed: 24.02.2023 - 07.03.2023  
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)	%	6,2 ± 0,3		
Ash *	DS/EN ISO 18122 (2015)	%	0,32	0,34	
Net Calorific Value *	Calculated on received sample <sup>1)</sup>	MJ/kg	17,6	18,9	19
		Mcal/kg	4,2		
Average diameter *	DS/EN ISO 17829 (2015)	mm	6,0		
		Standard deviation	mm	0,0	
Average length *	DS/EN ISO 17829 (2015)	mm	14,0		
		Standard deviation	mm	4,9	
Durability mechanical	DS/EN ISO 17831-1 (2015)	%	99,1		
Particles < 3,15 mm *	DS/EN ISO 17831-1 (2015)	%	0,2		
Bulk density *	DS/EN ISO 17828 (2015)	kg/m <sup>3</sup>	720		
Ash Fusibility	CEN/TS 15370-1 (2006)	Unit	In dry ash prepared at 550 °C		
Deformation temperature	Oxidizing atmosphere	°C	>1470	- repeatability 30	
Hemisphere temperature	Cylinder	°C	>1470	- repeatability 30	
Flow temperature		°C	>1470	- repeatability 30	

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

<sup>1)</sup> 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.

  
Jesper Minz  
Specialist