Dansk Træemballage A/S
Att. Gert Fuglkjær
Stampemøllevej 8
6760 Ribe

Navervej 1
DK-6600 Vejen

ANALYTICAL REPORT

Our ref.: Gitte Paulsen
Direct phone.: 4262 7687
analyselab-vest@force.dk

Analyses of Solid Biofuels

Journal no.: W23-591
Report date: 28.06.2023

Sample mark: Dansk Træemballage Stampemøllen Juni 2023
Description: -Wood Pellets-
Sample size: 16,0 kg
Received: 21.06.2023
Analysed: 22.06.2023 - 28.06.2023
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)	%	5,8 ± 0,3		
Ash *	DS/EN ISO 18122 (2015)	%	0,23	0,24	
Net Calorific Value *	Calculated on received sample [1)]	MJ/kg	17,7	19,0	19
		Mcal/kg	4,2		
Average diameter *	DS/EN ISO 17829 (2015)	mm	6,0		
Standard deviation		mm	0,0		
Average lenght *	DS/EN ISO 17829 (2015)	mm	11,9		
Standard deviation		mm	4,0		
Durability mechanical	DS/EN ISO 17831-1 (2015)	%	98,9		
Particles < 3,15 mm *	DS/EN ISO 17831-1 (2015)	%	0,2		
Bulk density *	DS/EN ISO 17828 (2015)	kg/m^3	710		
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 %

[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.

Jesper Hinz
Specialist