

**Our ref.-Nr.** : 21001372/05  
**Report date** : 27/12/2021

**REPORT OF ANALYSIS**

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**Type** : Received sample  
**Sample reference** : Proxima Star - 7A302  
**Sample material** : Wood pellets ENplus A1  
**Order number** : n/a  
**Date received** : 15/12/2021  
**Received from** : ENplus® c/o Bioenergy Europe  
**Preparation** : As per ISO 14780 (a)  
**Analyses** : Results were found to be as follows:

Parameter	Method	Unit	Specifications	As received	Dry base	
<b>ENplus required parameters</b>						
Total Moisture (a)	ISO 18134	%	≤ 10	6,6	***	
Ash (a)	ISO 18122	%	≤ 0,7	***	0,24	
Sulphur (a)	ISO 16994	%	≤ 0,04	***	0,01	
Net Cal. Value (q <sub>p,net</sub> ) <sup>(a)</sup>	ISO 18125	kWh/kg	≥ 4,6	4,992	***	
Nitrogen (N) <sup>(a)</sup>	ISO 16948	%	≤ 0,3	***	0,06	
Chlorine (Cl)	ISO 16994	%	≤ 0,02	***	0,0032	
Bulk density (a)	ISO 17828	kg/m <sup>3</sup>	600 ≤ BD ≤ 750	680	***	
Mechanical durability (a)	ISO 17831-1	%	≥ 98,0	99,4	***	
Diameter	ISO 17829	mm	6±1 or 8±1	6,2	***	
Length	ISO 17829	mm	3,15 < L ≤ 40	12,8	***	
Fines < 3,15 mm round (a)	ISO 18846	%	bulk pellets ≤ 1,0	***	***	
			bagged pellets ≤ 0,5	0,1	***	
<b>Additional parameters</b>						
Gross Cal. Value (q <sub>v,gr</sub> ) <sup>(a)</sup>	ISO 18125	kJ/kg	***	***	20.674	
			kcal/kg	***	***	4.938
			kWh/kg	***	***	5,743
Carbon (C) <sup>(a)</sup>	ISO 16948	%	***	***	51,2	
Hydrogen (H) <sup>(a)</sup>	ISO 16948	%	***	***	6,17	
Oxygen (O)	By difference	%	***	***	42,32	
Stowage factor	Calculated	m <sup>3</sup> /t	***	1,47	***	

(a) Performed by Inspectorate Ghent under accreditation certificate Belac 393-TEST

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Type : Received sample  
Sample reference : Proxima Star - 7A302  
Sample material : Wood pellets DINplus  
Order number : n/a  
Date received : 15/12/2021  
Received from : ENplus® c/o Bioenergy Europe  
Preparation : As per ISO 14780 <sup>(a)</sup>  
Analyses : Results were found to be as follows:

AFT IN OXIDIZING ATMOSPHERE (ISO 21404) <sup>(1)</sup>			
- Shrinkage temperature (SST)			1163
- Deformation temperature (DT)	°C	≥ 1200	1398
- Hemisphere temperature (HT)			1454
- Flow temperature (FT)			1458

<sup>(1)</sup> Analysis performed by Bureau Veritas Estonia under ISO 17025 accreditation, certificate L029

For and on behalf of Inspectorate Ghent nv  
Sylvie Rasselle / Véronique Van Laere  
Solid Fuels Business Manager / Lab Manager

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## PHOTOS OF THE SAMPLE

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