

Our ref.-Nr. : 22001006A
Report date : 9/09/2022

REPORT OF ANALYSIS

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Type : Received sample
Sample reference : Bio Pellets Das Original
Sample material : Wood pellets ENplus A1
Order number : n/a
Date received : 26/08/2022
Received from : Prima Invest SPRL
Preparation : As per ISO 14780 ^(a)
Analyses : Results were found to be as follows:

Parameter	Method	Unit	Specifications	As received	Dry base	
ENplus required parameters						
Total Moisture ^(a)	ISO 18134	%	≤ 10	6,2	***	
Ash ^(a)	ISO 18122	%	≤ 0,7	***	0,32	
Sulphur ^(a)	ISO 16994	%	≤ 0,04	***	0,01	
Net Cal. Value (q _{p,net}) ^(a)	ISO 18125	kWh/kg	≥ 4,6	4,908	***	
Nitrogen (N) ^(a)	ISO 16948	%	≤ 0,3	***	0,12	
Chlorine (Cl)	ISO 16994	%	≤ 0,02	***	0,0032	
Bulk density ^(a)	ISO 17828	kg/m ³	600 ≤ BD ≤ 750	680	***	
Mechanical durability ^(a)	ISO 17831-1	%	≥ 98,0	99,5	***	
Diameter	ISO 17829	mm	6±1 or 8±1	5,9	***	
Length	ISO 17829	mm	3,15 < L ≤ 40	15,1	***	
Fines < 3,15 mm round ^(a)	ISO 18846	%	bulk pellets ≤ 1,0	***	***	
			bagged pellets ≤ 0,5	0,2	***	
Additional parameters						
Gross Cal. Value (q _{v,gr}) ^(a)	ISO 18125	kJ/kg	***	***	20.252	
			kcal/kg	***	***	4.837
			kWh/kg	***	***	5,626
Carbon (C) ^(a)	ISO 16948	%	***	***	50,5	
Hydrogen (H) ^(a)	ISO 16948	%	***	***	6,14	
Oxygen (O)	By difference	%	***	***	42,91	
Stowage factor	Calculated	m ³ /t	***	1,47	***	

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

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AFT IN OXIDIZING ATMOSPHERE (ISO 21404) ⁽¹⁾			
- Shrinkage temperature (SST)			1153
- Deformation temperature (DT)	°C	≥ 1200	1342
- Hemisphere temperature (HT)			1396
- Flow temperature (FT)			1401

For and on behalf of Bureau Veritas
Commodities Ghent NV
Sylvie Rasselle
Solid Fuels Business Manager

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PHOTOS OF THE SAMPLE

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