Inspectorate Ghent n.v. Havennummer 4250R Keurestraat 29 9042 Desteldonk Belgium T: +32 (0) 9255 5454 F: +32 (0) 9255 5450 E: ghent.ops@bureauveritas.com www.bureauveritas.com

Registered: Chamber of Commerce Ghent no. 179403



Our refNr.	:	21001372/02
Report date	:	27/12/2021

REPORT OF ANALYSIS

Page 1/2

- Туре Sample reference Sample material Order number Date received Received from Preparation Analyses
- : Received sample Icare - 7A302
- : Wood pellets ENplus A1
- ÷ n/a

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- 15/12/2021 2
- : ENplus® c/o Bioenergy Europe
- : As per ISO 14780 ^(a) : Results were found to be as follows:

Parameter	Method	Unit	Specifications	As received	Dry base
EN <i>plus</i> required parameters				×S	•
Total Moisture ^(a)	ISO 18134	%	≤ 10	10,3	***
Ash ^(a)	ISO 18122	%	≤ 0,7	***	0,31
Sulphur ^(a)	ISO 16994	%	≤ 0,04	***	0,01
Net Cal. Value (q _{p,net}) ^(a)	ISO 18125	kWh/kg	≥ 4,6	4,712	***
Nitrogen (N) ^(a)	ISO 16948	%	≤ 0,3	***	0,07
Chlorine (Cl)	ISO 16994	%	≤ 0,02	***	0,0015
Bulk density ^(a)	ISO 17828	kg/m ³	600 ≤ BD ≤ 750	650	***
Mechanical durablilty ^(a)	ISO 17831-1	%	≥ 98,0	99,6	***
Diameter	ISO 17829	mm	6±1 or 8±1	6,1	***
Lenght	ISO 17829 ┥	mm	3,15 < L ≤ 40	17,1	***
Fines < 3,15 mm round ^(a)	ISO 18846	%	bulk pellets ≤ 1,0	***	***
			bagged pellets ≤ 0,5	0,1	***
Additional parameters					
<mark>Gr</mark> oss Cal. Value (q _{v,gr}) ^(a)	ISO 18125	kJ/kg	***	***	20.415
		kcal/kg	***	***	4.876
		kWh/kg	***	***	5,671
Carbon (C) ^(a)	ISO 16948	%	***	***	50,7
Hydrogen (H) ^(a)	ISO 16948	%	***	***	6,01
Oxygen (O)	By difference	%	***	***	42,90
Stowage factor	Calculated	m ³ /t	***	1,54	***

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

EN ISO 9001:2015 EN ISO/IEC 17025:2017 EN*plus*®

Certified by TÜV NORD CERT GmbH; Certificate Registration No. 44 100 160 145 Inspectorate Ghent NV - Accredited by BELAC; Certificate Registration No. 393-TEST Certification; listed body for the testing of wood pellets Certificate(s) can be provided upon request



The tests were carried out on samples supplied by the client and the results reported refer only to the samples as delivered. The test results relate only to the items tested

Laboratory testing is carried out in approved Inspectorate Group or approved subcontract laboratories

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Our refNr.	: 210013	72/02
Report date	: 27/12/2	021

REPORT OF ANALYSIS

Pag	e 2/2	
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Туре	:	Received sample
Sample reference	:	Icare - 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 ^(a)
Analyses	:	Results were found to be as follow

AFT IN OXIDIZING ATMOSPHERE (ISO 21404	.) ⁽¹⁾		.0.
- Shrinkage temperature (SST)			1111
- Deformation temperature (DT)	°C	≥ 1200	1393
- Hemisphere temperature (HT)			1439
- Flow temperature (FT)		×C `	1446

⁽¹⁾ 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

EN ISO 9001:2015 EN ISO/IEC 17025:2017 EN*plus*® Certified by TÜV NORD CERT GmbH; Certificate Registration No. 44 100 160 145 Inspectorate Ghent NV - Accredited by BELAC; Certificate Registration No. 393-TEST Certification; listed body for the testing of wood pellets Certificate(s) can be provided upon request



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 Our ref.-Nr.
 : 21001372/02

 Report date
 : 27/12/2021

PHOTOS OF THE SAMPLE

Туре

- : Received sample
- Sample reference Sample material Order number Date received Received from
- : Icare 7A302
- : Wood pellets DINplus

:n/a

- : 15/12/2021
- : ENplus® c/o Bioenergy Europe





EN ISO 9001:2015 EN ISO/IEC 17025:2017 EN*plus*® Certified by TÜV NORD CERT GmbH; Certificate Registration No. 44 100 160 145 Inspectorate Ghent NV - Accredited by BELAC; Certificate Registration No. 393-TEST Certification; listed body for the testing of wood pellets Certificate(s) can be provided upon request



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