

# Granulés de bois

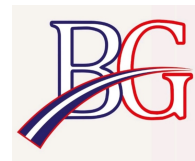
Marque : BG



## CONDITIONNEMENT

En palette ou au camion

- Sac de 15 kg
- Palette : 70 sacs de 15 kg
- Camion : 22 palettes (1540 sacs)



## PRODUIT

Dénomination	Granulés de bois
Ingrédients	100% bois
Diamètre	6 mm
Température de conservation	À conserver dans un endroit sec

## CARACTÉRISTIQUES

Certification	EN Plus / A1
Taux de cendre	$\leq 0,7\%$
Durabilité	$\geq 98\%$
Densité réelle	$600/\text{m}^3 << 750/\text{m}^3$
Humidité	$\leq 10\%$

## USAGES

<b>Chauffage aux granulés</b> (Hôtels, restaurants, maison..)	Produit à utiliser uniquement pour les appareils de chauffage appropriés
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- ✓ Permet de réduire le chargement et le nettoyage
- ✓ Ils prennent peu de place
- ✓ Très bon retour sur investissement (produit résiduel).
- ✓ Les granulés sont fabriqués à partir de pins entièrement naturels et uniquement par traitement mécanique et thermique.
- ✓ Ils sont respectueux de l'environnement et ils ne polluent pas.
- ✓ Nous rend moins dépendants des changements brusques et drastiques des prix des combustibles fossiles tels que le pétrole et le gaz.

BRANDED GROUP

9 rue des colonnes 75002 PARIS | Tél : +33 1 84 21 02 87 | [contact@branded-group.fr](mailto:contact@branded-group.fr)

# CERTIFICATE

**ENplus ID-No.: BG 012**

**Control Union Certifications Germany GmbH**

**Dorotheastr. 30, 10318 Berlin, Germany**

hereby confirms that

meets all requirements according to the program of ENplus for:

## **wood pellet production A1**

The certificate holder is a producer and shall be entitled to produce ENplus certified wood pellets. The company is certified by the certification body Control Union Certifications Germany GmbH as an independent third party.

This certificate authorizes the use of the ENplus logo in accordance with the provisions of the valid version of the ENplus handbook.

This certificate is

valid from: 29.04.2022

valid till: 28.04.2025

Berlin, 02.05.2022

Place, Date

  
CUC Germany GmbH  
Dorotheastr. 30, D-10318 Berlin  
Stamp, Signature  
Tel: +49 (0) 30 509 69 88 - 0  
Fax: +49 (0) 30 509 69 88 - 88

## Record No. 1/440/2022

Sample name: Wood pellets  
 Name of Producer:

ENplus® ID / Sample No.

Origin:		1. Woody biomass				
Traded form:		Wood pellets				
Classification of origin according to EN ISO 17225-1:2014		1.2.1 Chemically untreated by-products and residues from the wood processing industry				
Parameter	Unit	Value	Uncertainty [±] <sup>1</sup>	Threshold value acc. to ENplus® Handbook, Part 3 version 3.0		
				A1	A2	B
Diameter	mm	5.9	0.1	6 ± 1 or 8 ± 1		
Length	mm	16.5	9.2	3.15 < L ≤ 40		
Moisture	w-% <sub>ar</sub>	2.96	0.14	≤ 10		
Ash	w-% <sub>d</sub>	0.68	0.03	≤ 0.7	≤ 1.2	≤ 2.0
Mechanical durability	w-% <sub>d</sub>	98.2	0.1	≥ 98.0	≥ 97.5	
Fines (< 3.15 mm)	w-% <sub>ar</sub>	0.09	0.01	≤ 1.0 (< 0.5%) <sup>2</sup>		
Gross calorific value	MJ/kg <sub>d</sub>	20.39	0.07	-		
Net calorific value	MJ/kg <sub>ar</sub>	18.34	0.08	≥ 16.5		
	kWh/kg <sub>ar</sub>	5.09	0.02	≥ 4.6		
Bulk density	kg/m <sup>3</sup> <sub>ar</sub>	710	9	600 ≤ BD ≤ 750		
Carbon	w-% <sub>d</sub>	49.96	0.34	-		
Hydrogen	w-% <sub>d</sub>	6.51	0.15	-		
Nitrogen	w-% <sub>d</sub>	0.21	0.02	≤ 0.3	≤ 0.5	≤ 1.0
Sulfur	w-% <sub>d</sub>	0.0096	0.0005	≤ 0.04	≤ 0.05	
Chlorine	w-% <sub>d</sub>	0.0102	0.0001	≤ 0.02		≤ 0.03

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				A1	A2	B
Ash shrinkage temperature SST <sup>3, 4</sup>	°C	1230	36	Should be stated		
Ash deformation temperature DT <sup>3, 4</sup>	°C	1490	51	≥ 1200	≥ 1100	
Ash hemisphere temperature HT <sup>3, 4</sup>	°C	1500	20	Should be stated		
Ash flow temperature FT <sup>3, 4</sup>	°C	> 1500	-	Should be stated		
Arsenic	mg/kg <sub>d</sub>	< 0.1	-	≤ 1		
Cadmium	mg/kg <sub>d</sub>	0.023	0.003	≤ 0.5		
Chromium	mg/kg <sub>d</sub>	0.688	0.005	≤ 10		
Copper	mg/kg <sub>d</sub>	1.21	0.05	≤ 10		
Lead	mg/kg <sub>d</sub>	< 0.5	-	≤ 10		
Mercury	mg/kg <sub>d</sub>	0.0030	0.0002	≤ 0.1		
Nickel	mg/kg <sub>d</sub>	< 0.5	-	≤ 10		
Zinc	mg/kg <sub>d</sub>	4.64	0.01	≤ 100		

<sub>d</sub> dry, <sub>a</sub> as received

<sup>1</sup> the expanded uncertainty was determined for coverage factor k = 2 and 95% confidence level

<sup>2</sup> at factory gate, at the end of production or when loading truck for deliveries to end-users (< 0.5% when filling pellet bags or sealed big bags)

<sup>3</sup> characteristic ash melting temperature determined in an oxidizing atmosphere

<sup>4</sup> ash received at 815°C

# CERTIFICATE

CERTIFICATION CODE: CU-COC-850196

Field of attention:  
FSC Chain of Custody (COC)

Standard:  
FSC-STD-40-004 V3-0 Chain of Custody Certification; ,FSC-STD-50-001 V2-0 Requirements for use of the FSC trademarks by Certificate Holders;

**Valid until: 01 May 2021**

The validity of this certificate shall be verified on <http://info.fsc.org/>

Control Union Certifications declares to have inspected the unit(s), and/or products of the above mentioned certificate holder, and have found them in accordance with the standards mentioned above.

This certificate covers the unit(s), and/or product(s) as mentioned in the authenticated annex of this certificate. A full list of product groups covered by the certificate can be found on the FSC database of registered certificates (<http://info.fsc.org/>).

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

This certificate remains in force until further notice, provided that the participant continues to meet the conditions as laid down in the client contract with Control Union Certifications B.V. and verified in annual inspections by Control Union Certifications B.V.

Date of certification:  
17 February 2017  
Place and date of issue:  
Zwolle, 28 April 2020

CERTIFICATE No: C850196CU-COC-01.2020  
REGISTRATION No: CU 850196



The mark of  
responsible forestry

Declared by:

On behalf of the Managing Director

Mrs. Markova

Certifier  
Control Union Certifications  
Meeuwenlaan 4-6  
8011 BZ ZWOLLE  
The Netherlands  
<http://www.controlunion.com>  
tel.: +31(0)38-4260100





Annex to

CERTIFICATION CODE: CU-COC-850196

FSC Chain of Custody (COC)

This certificate gives the right, in accordance with the agreements in the licensee-contract, on the basis of the accreditation of CU by the Forest Stewardship Council (FSC), to use the FSC logo for the unit(s), process(es) and/or product(s) mentioned below. Use of the FSC logo on (trade) products is only allowed for products mentioned under "products" in conformity with the category.

This certificate and its copies or reproductions shall be returned to CU immediately on request.  
More information about the client and/or products and/or units can be obtained at the website of CU ([www.controlunion.com/certifications](http://www.controlunion.com/certifications)) or by contacting CU.

This certificate, referred to in the client contract as scope certificate, covers the following product(s), which comply(ies) with the latest version of the CU Forestry Standards:

Certified products

Product no.	Name of product	category	Processing unit(s)
P 063735	W1.1 Roundwood (logs)	FSC 100%	PRC 077330
P 063736	W1.2 Fuel wood	FSC 100%	PRC 077330
P 063764	W3.6 Wood pellets	FSC 100%, FSC Mix	PRC 077330
P 063772	W5 Solid wood (sawn, chipped, sliced or peeled)	FSC 100%	PRC 077330

This certificate covers the following Processing Unit(s), which comply(ies) with the latest version of the CU Forestry Standards:

Processing unit(s)

Unit no.	Name of unit	Unit ref.	Address	Processes
PRC 077330	production site			Primary processor

This certificate including the annex remains property of Control Union Certifications B.V. and can be withdrawn in case of terminations as mentioned in the licensee contract, or in case changes or deviations of the above mentioned data occur. The licensee is obliged to inform Control Union Certifications B.V. immediately of any changes in the above mentioned data. Only an original and signed certificate with accompanying attachments is valid.

Date of certification:  
17 February 2017

Authenticated by



Place and date of issue:  
Zwolle, 28 April 2020

On behalf of the Managing Director  
Mrs. Markova  
Certifier

**This certificate cannot be used as guarantee certificate for delivered goods!**

