

# Certificate

according to the Renewable Energy Directive (RED II)

(Directive (EU) 2018/2001 on the promotion of the use of energy from renewable sources (recast))

**Certificate Number: EU-ISCC-Cert-DE100-01718124**

SGS Germany GmbH

Europa Allee 12, D-49685 Emstek

certifies that

**Pannonia Bio Zrt.**

Sas u. 7

7020 Dunaföldvár

HUNGARY

complies with the requirements of the certification system

**ISCC EU**

**(International Sustainability and Carbon Certification)**

and the requirements of the RED II.

Place of the audit:

see above



**This certificate is valid from 30/09/2024 to 29/09/2025**

The site of the system user is certified as:

biogas plant, biogas upgrading plant, ethanol plant, first gathering point, point of origin, trader with storage

Emstek, 30/09/2024

Place and date of issue

Stamp, Signature

The issuing Certification Body is responsible for the accuracy of this document.

Version / Date: 3 (2 adjustments) / 08/10/2024



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**Annex to the certificate:**

Sustainable materials handled by the certified site

(This annex is applicable for all scopes except of Traders, Traders with storage, Warehouses, Logistic centres, MTBE and ETBE plants)

**This annex is only valid in connection with the certificate:**

EU-ISCC-Cert-DE100-01718124 issued on 30/09/2024

Input material		Output material		GHG values <sup>1</sup>	ISCC EU waste process applied <sup>2</sup>	SAI/FSA <sup>3</sup>
Material	Scope *	Material	Scope *			
corn / maize	first gathering point	corn / maize	first gathering point		No	N.A.
barley	first gathering point	barley	first gathering point	1	No	N.A.
corn / maize	bioethanol plant	bioethanol (corn / maize)	bioethanol plant	2	No	N.A.
non-edible cereal residues and waste from grain milling and processing	bioethanol plant	bioethanol (non-edible cereal residues and waste from grain milling and processing)	bioethanol plant	2	Yes	N.A.
wet corn fiber	biogas plant	biogas (wet corn fiber)	biogas plant	2	Yes	N.A.
husks (barley)	biogas plant	biogas (husks (barley) )	biogas plant	2	Yes	N.A.
biogas (husks (barley) , wet corn fiber)	biogas upgrading plant	biomethane (husks (barley) , wet corn fiber)	biogas upgrading plant	2	Yes	N.A.
		wet corn fiber	point of origin	2	Yes	N.A.

	Please indicate which scope(s) handle the material in case the certificate covers more than one scope. This does not apply for the following scopes: Trader, Trader with storage, Warehouse, Logistic Center, MTBE and ETBE plant
1	1: Default value
	2: Actual value
	3: NUTS 2 value or "NUTS2-equivalent" value. A "NUTS2-equivalent" value is a GHG value for cultivation in a "NUTS2-equivalent" region of a country outside the European Union (values are implemented by the European Commission). Option 3 is only applicable for the level of cultivation, i.e. for first gathering points, farms/plantations, central offices (group of farms or independent smallholders)
2	Yes: The raw material meets the definition of waste or (processing) residue according to the RED II
	No: The raw material complies with the relevant sustainability criteria according to Art. 29 (2)-(7) RED II
3	Farm Sustainability Assessment (FSA) was developed by the Sustainable Agriculture Initiative (SAI)
	SAI Gold Compliance: ISCC Compliant material can be claimed as "SAI FSA 3.0 Gold Level Equivalence"

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Material	Scope *	Material	Scope *			
		non-edible cereal residues and waste from grain milling and processing	point of origin	2	Yes	N.A.
		husks (barley)	point of origin	2	Yes	N.A.
		waste/residues from processing of alcohol (barley, corn / maize)	point of origin	2	Yes	N.A.
		technical corn oil	point of origin	2	Yes	N.A.

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