

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

SGS HUNGARY
SGS Germany GmbH

Stamp, Signature

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

Version / Date: 5 (4 adjustments) / 08/11/2024



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This document is an original. If the document is submitted digitally, it is to be treated as an original within the meaning of UCP 600.

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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 ¹	ISCC EU waste process applied ²	SAI/FSA ³
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.
		feed waste	point of origin	2	Yes	N.A.
feed waste	bioethanol plant	bioethanol (feed waste)	bioethanol plant	2	Yes	N.A.

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