

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-DE100-01718122

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 30/09/2022 to 29/09/2023

The site of the system user is certified as:

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

Emstek, 30/09/2022

Place and date of issue

SGS Hohenberg
SGS Germany GmbH

Stamp, Signature

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

Version / Date: 1 (no adjustments) / 30/09/2022



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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-DE100-01718122 issued on 30/09/2022

Input material	Output material	GHG values ¹	ISCC EU waste process applied ²	SAI/FSA ³
corn / maize	corn / maize	1+3	No	
corn / maize	bioethanol (corn / maize)	2	No	
corn / maize	corn oil	2	No	
corn / maize	bioethanol (starch slurry)	2	No	
barley	barley	1	No	
	residues from the processing of corn/maize	2	Yes	
residues from the processing of corn/maize	biogas (residues from the processing of corn/maize)	2	Yes	

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 Silver Compliance: ISCC Compliant material can be claimed as "Equivalent to FSA 2.1 Silver" SAI Gold Compliance: ISCC Compliant material incl. add-on SAI Gold can be claimed as "Equivalent to FSA 2.1 Gold"

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