



Certificate

according to the
Renewable Energy Directive (RED)

(Directive 2009/28/EC on the promotion of the use of energy from renewable sources
amended through Directive (EU) 2015/1513)

EU-ISCC-Cert-DE100-17182019

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 RED and the certification system
ISCC EU

(International Sustainability and Carbon Certification)
which is approved by the European Commission.

This certificate is valid from 30. September 2019 to 29. September 2020

The site of the system user is certified as:
**first gathering point, ethanol plant and
trader with storage**

H. SCSKunberg
SGS Germany GmbH

Emstek, 30. September 2019
Place and date of issue

Stamp, Signature

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 1 (no adjustments) / 30. September 2019





Annex to the certificate:

Sustainable materials handled by the certified site

(This annex is only applicable for material handled under the scopes: farm/plantation, point of origin, central office (farm/plantation or point of origin), first gathering point, processing unit (any type) but **not** for material that is only traded and/or stored)

This annex is only valid in connection with the certificate:

EU-ISCC-Cert-DE100-17182019 issued on 30. September 2019

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	-
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 residue according to the RED, i.e. it was not intentionally produced and not intentionally modified, or contaminated, or discarded, to meet the definition of waste or residue No: The raw material complies with the sustainability criteria according to Art. 17 (3), (4) and (5) RED			
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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