



Certificate

according to the
Renewable Energy Directive (RED)

(DIRECTIVE 2009/28/EC of the EUROPEAN PARLIAMENT and of THE COUNCIL
of 23 April 2009 on the promotion of the use of energy from renewable sources)

EU-ISCC-Cert-DE100-17182018

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 2018 to 29. September 2019

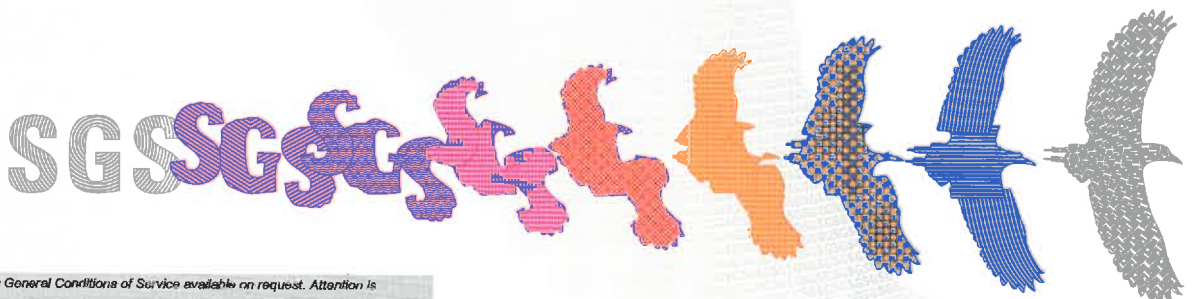
The certified site of the system user is a (type of operation):
first gathering point, bioethanol plant, trader with storage

Emstek, 25. September 2018
Place and date of issue

SGS

SGS Germany GmbH
Stamp, Signature

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 1 (no adjustments) / 25. September 2018





Annex to the certificate:

Sustainable materials handled by the certified site

(only applicable for material handled under the scope as: farm/plantation, point of origin, central office, first gathering point, conversion unit but **not** for material that is only traded and/or stored)

This annex is only valid in connection with the certificate:

EU-ISCC-Cert-DE100-17182018 issued on 25. September 2018

Input material	Output material	GHG values*	ISCC EU waste process applied**
corn / maize	corn / maize	1 + 3	no
corn / maize	bioethanol (corn / maize)	2	no
corn / maize	corn oil	2	no
* 1: GHG emissions of the certified unit are based on default values			
2: GHG emissions of the certified unit are based on individual calculation			
3: GHG emissions are based on NUTS 2 values for cultivation (only applicable for First Gathering Points, farms/plantations, Central Offices)			
** Yes: Certification of this material does not start on farm/plantation level. Sustainability criteria acc. Article 17 paragraphs 3 to 6 of the directive 2009/28/EC (RED) have not been subject to control of this material.			
No: Certification covers all sustainability criteria as laid down in Article 17 of the directive 2009/28/EC (RED).			

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