



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-DE100-20842018

SGS Germany GmbH
Europa Allee 12, D-49685 Emstek

certifies that

Astra Bioplant Ltd
23 Bulgaria Blvd.
7060 Slivo Pole
Bulgaria

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 23. February 2018 to 22. February 2019

The certified site of the system user is a (type of operation):
**point of origin, collecting point for waste / residues, first gathering point,
oil mill, refinery, biodiesel plant and trader**

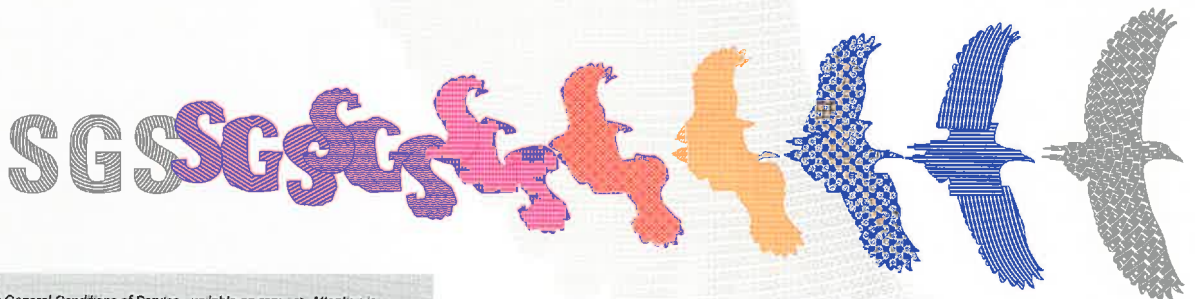
SGS
SGS Germany GmbH

Stamp, Signature

Emstek, 23. February 2018
Place and date of issue

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

Version / Date: 1 (no adjustments) / 23. February 2018



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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)

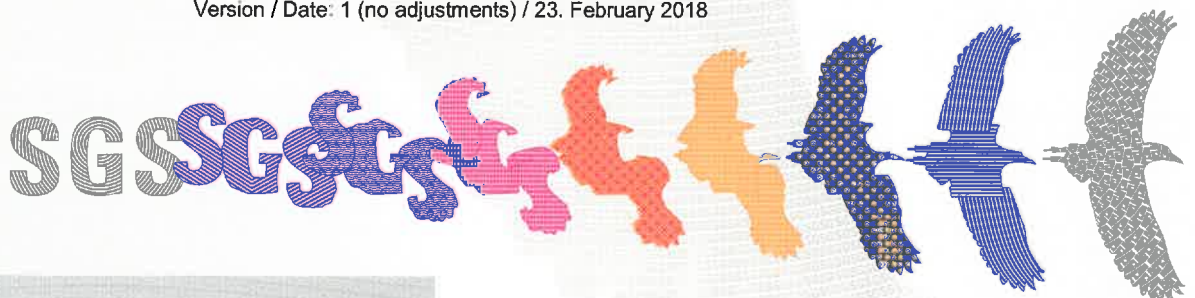
This annex is only valid in connection with the certificate:

EU-ISCC-Cert-DE100-20842018 issued on 23. February 2018

Input material	Output material	GHG values*	ISCC EU waste process applied**
rapeseed / canola	rapeseed / canola	3	no
soybean	soybean	1	no
sunflower	sunflower	1	no
rapeseed / canola, soybean, sunflower	crude oil (rapeseed / canola, soybean, sunflower)	2	no
crude oil (rapeseed / canola, soybean, sunflower)	refined oil (rapeseed / canola, soybean, sunflower)	2	no
refined oil (rapeseed / canola, soybean, sunflower)	biodiesel (rapeseed / canola, soybean, sunflower)	2	no
used cooking oil (UCO) entirely of veg. origin	biodiesel (used cooking oil (UCO) entirely of veg. origin)	2	yes
<p>* 1: GHG emissions of the certified unit are based on default values</p> <p>2: GHG emissions of the certified unit are based on individual calculation</p> <p>3: GHG emissions are based on NUTS 2 values for cultivation (only applicable for First Gathering Points, farms/plantations, Central Offices)</p>			
<p>** 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.</p> <p>No: Certification covers all sustainability criteria as laid down in Article 17 of the directive 2009/28/EC (RED).</p>			

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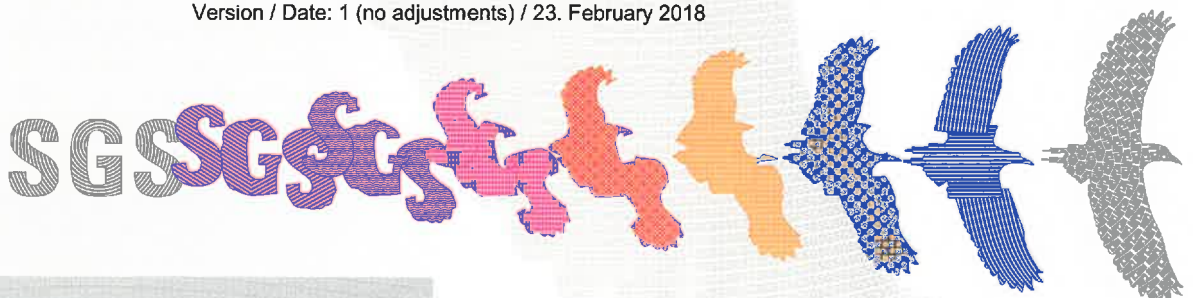
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Input material	Output material	GHG values*	ISCC EU waste process applied**
animal fat / tallow (category 1 and 2)	crude oil (animal fat / tallow (category 1 and 2))	2	yes
brown grease / grease trap fat	crude oil (brown grease / grease trap fat)	2	yes
waste / residues from processing of vegetable or animal oil (FFA from rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin)	crude oil (waste / residues from processing of vegetable or animal oil (FFA from rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin))	2	yes
waste / residues from processing of vegetable or animal oil (soapstock acid oil from rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin)	crude oil (waste / residues from processing of vegetable or animal oil (soapstock acid oil from rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin))	2	yes
* 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)			
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Input material	Output material	GHG values*	ISCC EU waste process applied**
waste / residues from processing of vegetable or animal oil (rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin)	crude oil (waste / residues from processing of vegetable or animal oil (rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin))	2	yes
	brown grease / grease trap fat	1	yes
	waste / residues from processing of vegetable or animal oil (FFA from rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin)	1	yes
	waste / residues from processing of vegetable or animal oil (rapeseed / canola oil, soybean oil, sunflower seed oil and UCO from vegetable origin)	1	yes
* 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)			
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