



# 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-DE100-20842017**

**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.

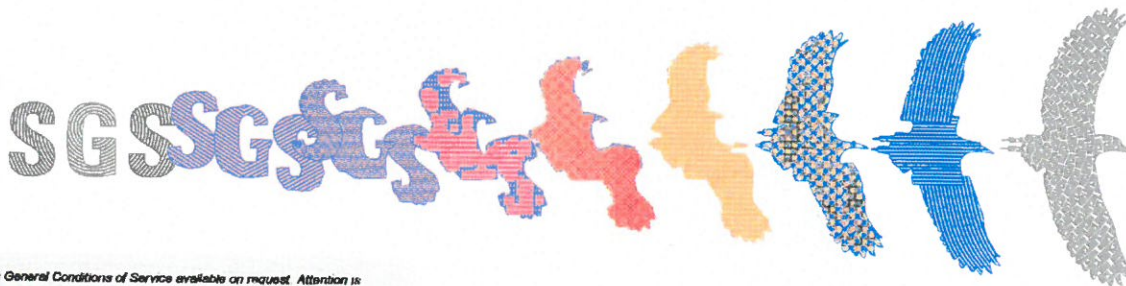
**This certificate is valid from 24. February 2017 to 23. February 2018**

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**

Emstek, 24. February 2017  
Place and date of issue

**SGS**  
**SGS Germany GmbH**  
*[Signature]*  
Stamp, Signature

The issuing Certification Body is responsible for the accuracy of this document.  
Version / Date: 3 (2 adjustments) / 20. March 2017



This document is issued by the Company under its General Conditions of Service available on request. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



**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)

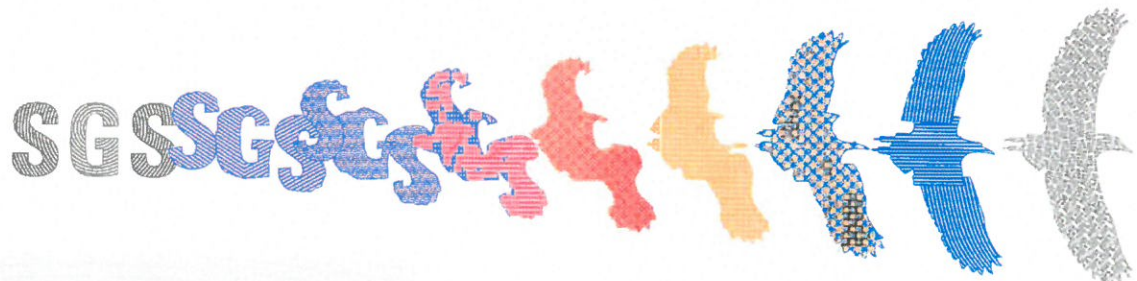
This annex is only valid in connection with the certificate:

**EU-ISCC-Cert-DE100-20842017 issued on 24. February 2017**

Input material	Output material	GHG values*	ISCC EU waste process applied**
rapeseed / canola	rapeseed / canola	3	no
sunflower	sunflower	1	no
soybean	soybean	1	no
soybean	crude oil (soybean)	2	no
rapeseed / canola	crude oil (rapeseed / canola)	2	no
sunflower	crude oil (sunflower)	2	no
crude oil (rapeseed / canola, soybean and sunflower)	refined oil (rapeseed / canola, soybean and sunflower)	2	no
refined oil (rapeseed / canola, soybean and sunflower)	biodiesel (rapeseed / canola, soybean and sunflower)	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).			

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

Version / Date: 3 (2 adjustments) / 20. March 2017







**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)

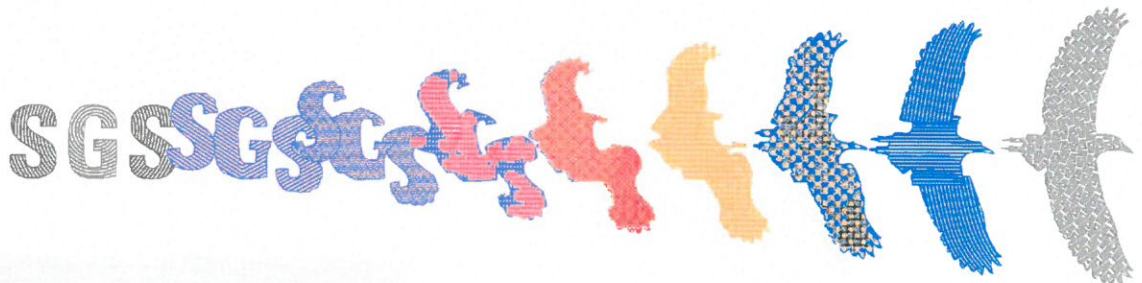
This annex is only valid in connection with the certificate:

**EU-ISCC-Cert-DE100-20842017 issued on 24. February 2017**

Input material	Output material	GHG values*	ISCC EU waste process applied**
used cooking oil (UCO) entirely of veg. origin	biodiesel (used cooking oil (UCO) entirely of veg. origin)	2	yes
animal fat / tallow (cat. 1 and 2)	crude oil (animal fat / tallow (cat. 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 (soybean oil, rapeseed / canola oil, sunflower oil, UCO from vegetable origin)	crude oil (waste / residues from processing of vegetable or animal oil (soybean oil, rapeseed / canola oil, sunflower oil, 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)			
** 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).			

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

Version / Date: 3 (2 adjustments) / 20. March 2017







**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)

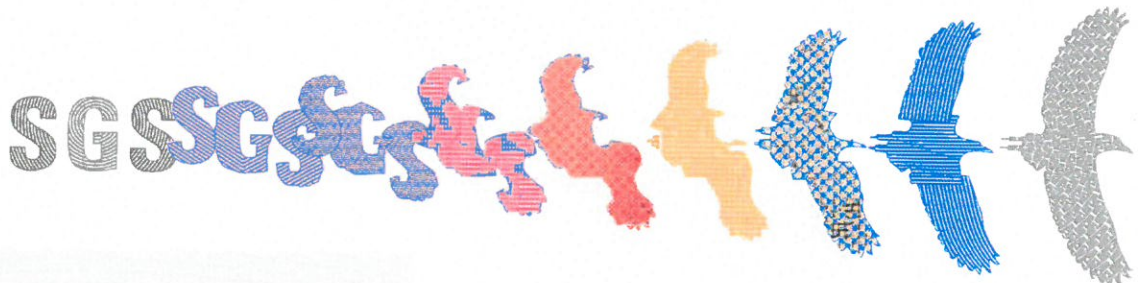
This annex is only valid in connection with the certificate:

**EU-ISCC-Cert-DE100-20842017 issued on 24. February 2017**

Input material	Output material	GHG values*	ISCC EU waste process applied**
waste / residues from processing of vegetable or animal oil (FFA from soybean oil, rapeseed / canola oil, sunflower oil, UCO from vegetable origin)	crude oil (waste / residues from processing of vegetable or animal oil (FFA from soybean oil, rapeseed / canola oil, sunflower oil, UCO from vegetable origin))	2	yes
waste / residues from processing of vegetable or animal oil (soapstock acid oil from soybean oil, rapeseed / canola oil, sunflower oil, UCO from vegetable origin)	crude oil (waste / residues from processing of vegetable or animal oil (soapstock acid oil from soybean oil, rapeseed / canola oil, sunflower oil, UCO from vegetable origin))	2	yes
crude tall oil (CTO)	crude oil (crude tall oil (CTO))	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)			
** 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).			

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

Version / Date: 3 (2 adjustments) / 20. March 2017







**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-DE100-20842017 issued on 24. February 2017**

Input material	Output material	GHG values*	ISCC EU waste process applied**
palm oil mill effluent (POME)	crude oil (palm oil mill effluent (POME))	2	yes
	brown grease / grease trap fat	2	yes
	waste / residues from processing of vegetable or animal oil (FFA from soybean oil, rapeseed / canola oil, sunflower seed oil, UCO from vegetable origin)	2	yes
	waste / residues from processing of vegetable or animal oil (soybean oil, rapeseed / canola oil, sunflower seed oil, 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)			
** 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).			

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

Version / Date: 3 (2 adjustments) / 20. March 2017

