

## **Lists of material eligible for ISCC CORSIA certification**

**(December 2021)**

ISCC CORSIA certification can cover all types of feedstocks eligible for the production of CORSIA eligible fuels. The lists below further aim for the harmonization of the description of material under ISCC CORSIA (e.g. on ISCC CORSIA certificates). There shall be no brand names or technical characteristics of the material or the production process (e.g. bleached, deodorized, industrial grade, etc.) on the ISCC CORSIA certificate. Products derived from sustainable raw material shall be stated on ISCC CORSIA certificates according to table 2 (intermediate and final products). Sustainable material may be declared in more detail in contracts, on sustainability declarations, delivery documents or Proofs of Sustainability.

Please be aware that the eligibility of feedstocks may be limited by the availability of the respective default values for a given pathway or region, as indicated in the ICAO document *“CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels”*.

The ISCC CORSIA material list includes materials which are classified as wastes, residues or by-products under CORSIA. The classification of a material as waste, residue or by-product is done by ICAO and communicated via a positive list as published in the ICAO document *“CORSIA Methodology for Calculating Actual Life Cycle Emissions Values”*. For further information please see the ISCC CORSIA system document 201-1 on waste, residues and by-products.

**Raw material marked with one asterisk (\*):** Material classified as agricultural or forestry residue according to ICAO’s positive list. Emissions during the production step of the raw material’s life cycle are assumed to be zero. Sustainability criteria according to ISCC CORSIA System Document 202 *“Sustainability Requirements”* are subject to control (Application of ISCC CORSIA w/r/b process is not possible).

**Raw material marked with two asterisks (\*\*):** Material classified as processing residue, waste or by-product according to ICAO’s positive list. Emissions during the production step of the raw material’s life cycle are assumed to be zero **and** certification according to the ISCC CORSIA w/r/b process is possible (sustainability criteria according to ISCC CORSIA System Document 202 *“Sustainability Requirements”* are not subject to control).

## Lists of material eligible for ISCC CORSIA certification

(December 2021)

Table 1: Raw materials		
Declaration of material on ISCC CORSIA certificate	Classification according to ICAO positive list for waste, residues and by-products	Additional information
Bagasse*	Agricultural residue	
Bark*	Forestry residue	
Branches*	Forestry residue	
Camelina	<i>Not applicable</i>	
Corn / Maize cobs*	Agricultural residue	
Corn grain	<i>Not applicable</i>	
Crude glycerine**	Processing residue	
Crude tall oil (CTO)**	Processing residue	
Cutter shavings*	Forestry residue	
Empty Palm Fruit Bunches (EFB)**	Processing residue	
Husks*	Agricultural residue	
Leaves*	Forestry residue	
Manure*	Agricultural residue	
Miscanthus	<i>Not applicable</i>	
Municipal solid waste (MSW)**	Waste	Emission credit may be eligible, for more information see ISCC CORSIA Document 205.
Needles*	Forestry residue	
Nut shells (specification of nut)*	Agricultural residue	
Palm Fatty Acid Distillate (PFAD)**	By-product	
Oil Palm Fresh Fruit Bunches (FFBs)	<i>Not applicable</i>	

## Lists of material eligible for ISCC CORSIA certification

(December 2021)

<b>Table 1: Raw materials</b>		
<b>Declaration of material on ISCC CORSIA certificate</b>	<b>Classification according to ICAO positive list for waste, residues and by-products</b>	<b>Additional information</b>
Palm oil mill effluent (POME) oil**	Processing residue	POME is a waste water/sludge arising from palm oil production usually released to open ponds. The oil extracted from POME is often referred to as „Palm Sludge Oil“ or „Sludge Palm Oil“.
Poplar	<i>Not applicable</i>	
Pre-commercial thinnings*	Forestry residue	
Rapeseed	<i>Not applicable</i>	
Sewage sludge**	Processing residue	Sewage sludge is a remainder of the wastewater treatment process.
Slash*	Forestry residue	
Soybean	<i>Not applicable</i>	
Stalks*	Agricultural residue	
Stover*	Agricultural residue	
Straw (specification of crop)*	Agricultural residue	
Sugarcane	<i>Not applicable</i>	
Sugar beet	<i>Not applicable</i>	
Switchgrass	<i>Not applicable</i>	
Tall oil pitch**	Processing residue	
Tallow**	By-product	
Technical corn oil**	By-product	Derived from the production process of corn ethanol.
Tree tops*	Forestry residue	
Used cooking oil (UCO)**	Waste	Oil that has been used to cook food for human consumption.

## Lists of material eligible for ISCC CORSIA certification (December 2021)

<b>Table 2: Intermediate and final products</b>	
<b>Note:</b>	
<ul style="list-style-type: none"> <li>Products shall always be stated with a specification of the raw material they were produced from (according to table 1). Example: Crude oil (palm), HEFA-SPK (used cooking oil)</li> </ul>	
Declaration of material on ISCC CORSIA certificate	Additional information
Biobutane	
Biobutanol	
Biobutene	
Bioethanol	
Biomethanol	
Bionaphta	
Biopropane	
Biopropanol	
Co-processed oil to be used for replacement of jet fuel	This is oil of biomass or pyrolyzed biomass origin processed in a refinery simultaneously with fossil fuel to be used to replace jet fuel or liquefied petroleum gas.
Crude oil	
Fatty acids	
HVO	
Isobutanol	
Pyrolysis oil	
Refined tallow	
Refined glycerine	
Refined oil	
AtJ-SPK (isobutanol)	Alcohol (isobutanol) -to-Jet synthetic paraffinic kerosene
AtJ-SPK (ethanol)	Alcohol (ethanol) -to-Jet synthetic paraffinic kerosene
FT-SPK	Fischer-Tropsch hydroprocessed synthesized paraffinic kerosene
HEFA-SPK	Synthesized paraffinic kerosene from hydroprocessed esters and fatty acids

## Lists of material eligible for ISCC CORSIA certification (December 2021)

<b>Table 2: Intermediate and final products</b>	
<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>Products shall always be stated with a specification of the raw material they were produced from (according to table 1). Example: Crude oil (palm), HEFA-SPK (used cooking oil)</li> </ul>	
<b>Declaration of material on ISCC CORSIA certificate</b>	<b>Additional information</b>
SIP	Synthesized iso-paraffins from hydroprocessed fermented sugars