

# ISCC PLUS Certificate

**Certificate Number: ISCC-PLUS-Cert-DE100-10233125**

SGS Germany GmbH  
Europa Allee 12, D-49685 Emstek  
certifies that

**Oxea GmbH**

Paul-Baumann-Str. 1  
45772 Marl  
GERMANY  
operating under a tolling agreement



complies with the requirements of the certification system

**ISCC PLUS**

**(International Sustainability and Carbon Certification)**

Place of the audit:  
see above

**This certificate is valid from 20/05/2025 to 19/05/2026**

The site of the system user is certified as:  
specialty chemical plant

The scope of the certificate includes the following chain of custody options:  
mass balance

Emstek, 14/05/2025  
Place and date of issue

  
SGS Germany GmbH  
Stamp, Signature

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

Version / Date: 2 (1 adjustment) / 22/05/2025





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Input material	Output material	GHG values <sup>1</sup>	Raw material category <sup>2</sup>	SAI/FSA <sup>3</sup>	FEFAC <sup>4</sup>
hydrogen	2-ethylhexanol	N/A	bio, bio-circular, circular	N/A	N/A
hydrogen	alkyl amine (2-ethylhexyl amine, butyl amine, isopropyl amine, octyl amine, propyl amine)	N/A	bio, bio-circular, circular	N/A	N/A
hydrogen	butanol	N/A	bio, bio-circular, circular	N/A	N/A
hydrogen	glycols	N/A	bio, bio-circular, circular	N/A	N/A
hydrogen	oxo alcohols	N/A	bio, bio-circular, circular	N/A	N/A
propylene	carboxylic acids	N/A	bio, bio-circular, circular	N/A	N/A

1	ISCC PLUS add-ons (voluntary application, see <a href="http://www.iscc-system.org">www.iscc-system.org</a> for further information): <ul style="list-style-type: none"> <li>• 202-04: Food Security Standard</li> <li>• 202-07: Low ILUC-risk feedstock</li> <li>• 205-01: GHG emission requirements</li> <li>• 205-02: Consumables</li> <li>• 205-03: Non GMO for food and feed</li> <li>• 205-04: Non GMO for technical markets</li> </ul>
2	Bio raw materials complies with the ISCC Principles 1 – 6 for the cultivation and harvesting of sustainable biomass. Bio-circular and circular raw materials meet the ISCC definition of waste or residue, i.e. it was not intentionally produced and not intentionally modified, or contaminated, or discarded, to meet the definition of waste or residue. For circular raw materials, the voluntary information about PIR (post-industrial recycling) or PCR (post-consumer recycling) material can be stated in brackets.
3	Farm Sustainability Assessment (FSA) was developed by the Sustainable Agriculture Initiative (SAI) SAI Gold Compliance: ISCC Compliant can be claimed as "SAI FSA 3.0 Gold Level Equivalence"
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propylene	esters (bis(2-ethylhexyl)-1,4-benzendicarboxylat, n- or isobutyl acetate, neopentyl glycol, triethylenglykol-di-(2-ethylhexanoat), trimethylolpropane, tris(2-ethylhexyl)trimellitrat)	N/A	bio, bio-circular, circular	N/A	N/A
propylene	oxo alcohols	N/A	bio, bio-circular, circular	N/A	N/A
propylene	oxo aldehydes	N/A	bio, bio-circular, circular	N/A	N/A
propylene	2-ethylhexanoic acid	N/A	bio, bio-circular, circular	N/A	N/A
propylene	alkyl amine (2-ethylhexyl amine, butyl amine)	N/A	bio, bio-circular, circular	N/A	N/A

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propylene	butanol	N/A	bio, bio-circular, circular	N/A	N/A
propylene	butyraldehyde	N/A	bio, bio-circular, circular	N/A	N/A
propylene	glycols	N/A	bio, bio-circular, circular	N/A	N/A
propylene	trimethylolpropane	N/A	bio, bio-circular, circular	N/A	N/A
hydrogen	polyols (tricyclodecandimethanol)	N/A	bio, bio-circular, circular	N/A	N/A
hydrogen	primary alcohols (C11)	N/A	bio, bio-circular, circular	N/A	N/A

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hydrogen	trimethylolpropane	N/A	bio, bio-circular, circular	N/A	N/A
propylene	2-ethylhexanol	N/A	bio, bio-circular, circular	N/A	N/A
syngas (50% carbon monoxide, 50% hydrogen)	butyraldehyde	N/A	bio, bio-circular, circular	N/A	N/A
syngas (50% carbon monoxide, 50% hydrogen)	oxo aldehydes	N/A	bio, bio-circular, circular	N/A	N/A
syngas (50% carbon monoxide, 50% hydrogen)	polyols (tricyclodecandimethanol)	N/A	bio, bio-circular, circular	N/A	N/A
syngas (50% carbon monoxide, 50% hydrogen)	primary alcohols (C11)	N/A	bio, bio-circular, circular	N/A	N/A

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syngas (50% carbon monoxide, 50% hydrogen)	propionaldehyde	N/A	bio, bio-circular, circular	N/A	N/A
trimethylolpropane	esters (trimethylolpropane)	N/A	bio, bio-circular, circular	N/A	N/A
propionaldehyde	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A
oxygen	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A
oxo aldehydes	2-ethylhexanol	N/A	bio, bio-circular, circular	N/A	N/A
oxo aldehydes	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A

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oxo aldehydes	2-ethylhexanoic acid	N/A	bio, bio-circular, circular	N/A	N/A
oxo aldehydes	glycols	N/A	bio, bio-circular, circular	N/A	N/A
oxo aldehydes	oxo alcohols	N/A	bio, bio-circular, circular	N/A	N/A
oxo alcohols	esters (n- or isobutyl acetate, N-propyl acetate)	N/A	bio, bio-circular, circular	N/A	N/A
octanol	alkyl amine (octyl amine)	N/A	bio, bio-circular, circular	N/A	N/A
glycols	esters (neopentyl glycol, triethylenglykol-di-(2-ethylhexanoat))	N/A	bio, bio-circular, circular	N/A	N/A

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formalin / formaldehyde / methanal	glycols	N/A	bio, bio-circular, circular	N/A	N/A
formalin / formaldehyde / methanal	trimethylolpropane	N/A	bio, bio-circular, circular	N/A	N/A
ethylene	alkyl amine (propyl amine)	N/A	bio, bio-circular, circular	N/A	N/A
ethylene	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A
ethylene	esters (N-propyl acetate)	N/A	bio, bio-circular, circular	N/A	N/A
ethylene	oxo alcohols	N/A	bio, bio-circular, circular	N/A	N/A

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ethylene	propionaldehyde	N/A	bio, bio-circular, circular	N/A	N/A
dicyclopentadiene	polyols (tricyclodecandimethanol)	N/A	bio, bio-circular, circular	N/A	N/A
dicyclopentadiene	primary alcohols (C11)	N/A	bio, bio-circular, circular	N/A	N/A
carboxylic acid	esters (bis(2-ethylhexyl)-1,4-benzendicarboxylat, neopentyl glycol, trimethylolpropane, tris(2-ethylhexyl)trimellitat)	N/A	bio, bio-circular, circular	N/A	N/A
butyraldehyde	2-ethylhexanol	N/A	bio, bio-circular, circular	N/A	N/A
butyraldehyde	butanol	N/A	bio, bio-circular, circular	N/A	N/A

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butyraldehyde	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A
butyraldehyde	trimethylolpropane	N/A	bio, bio-circular, circular	N/A	N/A
butene	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A
butene	oxo alcohols	N/A	bio, bio-circular, circular	N/A	N/A
butene	oxo aldehydes	N/A	bio, bio-circular, circular	N/A	N/A
ammonia	alkyl amine (2-ethylhexyl amine, butyl amine, isopropyl amine, octyl amine, propyl amine)	N/A	bio, bio-circular, circular	N/A	N/A

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alpha olefins (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	carboxylic acid	N/A	bio, bio-circular, circular	N/A	N/A
alpha olefins (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	esters (neopentyl glycol, trimethylolpropane)	N/A	bio, bio-circular, circular	N/A	N/A
alpha olefins (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	oxo alcohols	N/A	bio, bio-circular, circular	N/A	N/A
alpha olefins (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	oxo aldehydes	N/A	bio, bio-circular, circular	N/A	N/A
acetone	alkyl amine (isopropyl amine)	N/A	bio, bio-circular, circular	N/A	N/A
acetic acid	esters (n- or isobutyl acetate, N-propyl acetate)	N/A	bio, bio-circular, circular	N/A	N/A

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2-ethylhexanoic acid	esters (triethylenglykol-di-(2-ethylhexanoat))	N/A	bio, bio-circular, circular	N/A	N/A

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- 205-03: Non GMO for food and feed
- 205-04: Non GMO for technical markets

2 Bio raw materials complies with the ISCC Principles 1 – 6 for the cultivation and harvesting of sustainable biomass. Bio-circular and circular raw materials meet the ISCC definition of waste or residue, i.e. it was not intentionally produced and not intentionally modified, or contaminated, or discarded, to meet the definition of waste or residue. For circular raw materials, the voluntary information about PIR (post-industrial recycling) or PCR (post-consumer recycling) material can be stated in brackets.

3 Farm Sustainability Assessment (FSA) was developed by the Sustainable Agriculture Initiative (SAI)

SAI Gold Compliance: ISCC Compliant can be claimed as "SAI FSA 3.0 Gold Level Equivalence"

4 FEFAC: European Feed Manufacturers' Federation. ISCC compliant materials can be claimed as "in line with FEFAC soy sourcing guidelines 2015"

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

Version / Date: 2 (1 adjustment) / 22/05/2025

