

# ISCC PLUS Certificate

**Certificate Number: ISCC-PLUS-Cert-DE100-10223124**

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

## OOQ Chemicals GmbH

Otto-Roelen-Strasse 3  
46147 Oberhausen  
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 20/05/2024 to 19/05/2025**

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, 16/05/2024  
Place and date of issue

  
SGS Germany GmbH  
Stamp, Signature

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

Version / Date: 1 (no adjustments) / 16/05/2024



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**Annex I to the certificate:**

Sustainable materials handled by the certified site

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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>
ethylene	carboxylic acids	N/A	bio, bio-circular, circular		
ethylene	esters (N-propyl acetate)	N/A	bio, bio-circular, circular		
ethylene	oxo alcohols	N/A	bio, bio-circular, circular		
propylene	carboxylic acids	N/A	bio, bio-circular, circular		
propylene	esters (heptanoic acid, trimethylolpropane)	N/A	bio, bio-circular, circular		
propylene	oxo alcohols	N/A	bio, bio-circular, circular		

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) <p>SAI Gold Compliance: ISCC Compliant can be claimed as "SAI FSA 3.0 Gold Level Equivalence"</p>
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propylene	oxo aldehydes	N/A	bio, bio-circular, circular		
hydrogen	oxo alcohols	N/A	bio, bio-circular, circular		
hydrogen	polyols (tricyclodecandimethanol)	N/A	bio, bio-circular, circular		
dicyclopentadiene	polyols (tricyclodecandimethanol)	N/A	bio, bio-circular, circular		
oxo aldehydes	carboxylic acids	N/A	bio, bio-circular, circular		
oxo aldehydes	oxo alcohols	N/A	bio, bio-circular, circular		

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oxo alcohols	esters (N-isobutyl acetate, N-propyl acetate)	N/A	bio, bio-circular, circular		
carboxylic acids	esters (heptanoic acid, neopentyl glycol)	N/A	bio, bio-circular, circular		
octanol	alkyl amine (octyl amine)	N/A	bio, bio-circular, circular		
ammonia	alkyl amine (2-ethylhexyl amine, butyl amine, isopropyl amine, octyl amine, propyl amine)	N/A	bio, bio-circular, circular		
acetone	alkyl amine (isopropyl amine)	N/A	bio, bio-circular, circular		
propylene	2-ethylhexanoic acid	N/A	bio, bio-circular, circular		

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hydrogen	2-ethylhexanol	N/A	bio, bio-circular, circular		
propylene	2-ethylhexanol	N/A	bio, bio-circular, circular		
butyraldehyde	2-ethylhexanol	N/A	bio, bio-circular, circular		
oxo aldehydes	2-ethylhexanol	N/A	bio, bio-circular, circular		
ethylene	alkyl amine (propyl amine)	N/A	bio, bio-circular, circular		
butyraldehyde	butanol	N/A	bio, bio-circular, circular		

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hydrogen	butanol	N/A	bio, bio-circular, circular		
propylene	butanol	N/A	bio, bio-circular, circular		
propylene	butyraldehyde	N/A	bio, bio-circular, circular		
alpha-olefin (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	carboxylic acid	N/A	bio, bio-circular, circular		
oxygen	carboxylic acid	N/A	bio, bio-circular, circular		
propionaldehyde	carboxylic acid	N/A	bio, bio-circular, circular		

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butyraldehyde	carboxylic acid	N/A	bio, bio-circular, circular		
oxo aldehydes	2-ethylhexanoic acid	N/A	bio, bio-circular, circular		
trimethylolpropane	esters (heptanoic acid, trimethylolpropane)	N/A	bio, bio-circular, circular		
alpha-olefin (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	esters (heptanoic acid, trimethylolpropane)	N/A	bio, bio-circular, circular		
2-ethylhexanol	esters (Bis(2-ethylhexyl)-1,4-benzendicarboxylat)	N/A	bio, bio-circular, circular		
hydrogen	alkyl amine (2-ethylhexyl amine, butyl amine, isopropyl amine, octyl amine, propyl amine)	N/A	bio, bio-circular, circular		

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propylene	alkyl amine (2-ethylhexyl amine, butyl amine)	N/A	bio, bio-circular, circular		
syngas (50% carbon monoxide, 50% hydrogen)	butyraldehyde	N/A	bio, bio-circular, circular		
carboxylic acid	esters (Bis(2-ethylhexyl)-1,4-benzendicarboxylat)	N/A	bio, bio-circular, circular		
propylene	esters (Bis(2-ethylhexyl)-1,4-benzendicarboxylat)	N/A	bio, bio-circular, circular		
acetic acid	esters (N-isobutyl acetate)	N/A	bio, bio-circular, circular		
propylene	esters (N-isobutyl acetate)	N/A	bio, bio-circular, circular		

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glycols	esters (heptanoic acid, neopentyl glycol)	N/A	bio, bio-circular, circular		
propylene	esters (heptanoic acid, neopentyl glycol)	N/A	bio, bio-circular, circular		
alpha olefins (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	esters (heptanoic acid, neopentyl glycol)	N/A	bio, bio-circular, circular		
acetic acid	esters (N-propyl acetate)	N/A	bio, bio-circular, circular		
2-ethylhexanoic acid	esters (triethylenglykol-di-(2-ethylhexanoat))	N/A	bio, bio-circular, circular		
glycols	esters (triethylenglykol-di-(2-ethylhexanoat))	N/A	bio, bio-circular, circular		

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propylene	esters (triethylglykol-di-(2-ethylhexanoat))	N/A	bio, bio-circular, circular		
carboxylic acid	esters (tris(2-ethylhexyl)trimellitit)	N/A	bio, bio-circular, circular		
propylene	esters (tris(2-ethylhexyl)trimellitit)	N/A	bio, bio-circular, circular		
2-ethylhexanol	esters (tris(2-ethylhexyl)trimellitit)	N/A	bio, bio-circular, circular		
formalin / formaldehyde / methanal	glycols	N/A	bio, bio-circular, circular		
hydrogen	glycols	N/A	bio, bio-circular, circular		

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oxo aldehydes	glycols	N/A	bio, bio-circular, circular		
alpha olefins (C12/C14-mixture, decene, diisobutylene, heptene, hexene, octene)	oxo alcohols	N/A	bio, bio-circular, circular		
butene	oxo alcohols	N/A	bio, bio-circular, circular		
ethylene	oxo alcohols	N/A	bio, bio-circular, circular		
hydrogen	oxo alcohols	N/A	bio, bio-circular, circular		

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butene	oxo aldehydes	N/A	bio, bio-circular, circular		
syngas (50% carbon monoxide, 50% hydrogen)	oxo aldehydes	N/A	bio, bio-circular, circular		
syngas (50% carbon monoxide, 50% hydrogen)	polyols (tricyclodecandimethanol)	N/A	bio, bio-circular, circular		

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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) <p>SAI Gold Compliance: ISCC Compliant can be claimed as "SAI FSA 3.0 Gold Level Equivalence"</p>
4	FEFAC: European Feed Manufacturers' Federation. ISCC compliant materials can be claimed as "in line with FEFAC soy sourcing guidelines 2015"

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**Annex I to the certificate:**

Sustainable materials handled by the certified site

(This annex is applicable for all scopes except of Trader, Trader with storage, Warehouse, Logistic centres, MTBE and ETBE)

**This annex is only valid in connection with the certificate:**

ISCC-PLUS-Cert-DE100-10223124 issued on 16/05/2024

Input material	Output material	GHG values <sup>1</sup>	Raw material category <sup>2</sup>	SAI/FSA <sup>3</sup>	FEFAC <sup>4</sup>
dicyclopentadiene	primary alcohols (C11)	N/A	bio, bio-circular, circular		
syngas (50% carbon monoxide, 50% hydrogen)	primary alcohols (C11)	N/A	bio, bio-circular, circular		
hydrogen	primary alcohols (C11)	N/A	bio, bio-circular, circular		
syngas (50% carbon monoxide, 50% hydrogen)	propionaldehyde	N/A	bio, bio-circular, circular		
hydrogen	trimethylolpropane	N/A	bio, bio-circular, circular		
propylene	trimethylolpropane	N/A	bio, bio-circular, circular		

1	<p>ISCC PLUS add-ons (voluntary application, see <a href="http://www.iscc-system.org">www.iscc-system.org</a> for further information):</p> <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	<p>Bio raw materials complies with the ISCC Principles 1 – 6 for the cultivation and harvesting of sustainable biomass.</p> <p>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.</p>
3	<p>Farm Sustainability Assessment (FSA) was developed by the Sustainable Agriculture Initiative (SAI)</p> <p>SAI Gold Compliance: ISCC Compliant can be claimed as "SAI FSA 3.0 Gold Level Equivalence"</p>
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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>
butyraldehyde	trimethylolpropane	N/A	bio, bio-circular, circular		
formalin / formaldehyde / methanal	trimethylolpropane	N/A	bio, bio-circular, circular		
butene	carboxylic acid	N/A	bio, bio-circular, circular		
carboxylic acid	esters (heptanoic acid, trimethylolpropane)	N/A	bio, bio-circular, circular		

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>
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