# ISCC PLUS Certificate

## Certificate Number: ISCC-PLUS-Cert-US201-104892024

**SCS Global Services**

**2000 Powell Street, Emeryville, CA 94608, USA**

certifies that

**Equistar Chemicals, LP**
**8280 Sheldon Road**
**77530 Channelview, TX**
**United States**

complies with the requirements of the certification system

**ISCC PLUS**
**(International Sustainability and Carbon Certification)**

**This certificate is valid from 14.06.2024 to 13.06.2025.**

The site of the system user is certified as:

Processing Unit – Olefins Plant
Processing Unit – Methanol Plant
Trader

The scope of the certificate includes the following chain of custody options:
(not applicable for paper traders)

Mass Balance

Emeryville, CA, 12.06.2024

Place and date of issue

Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 1 (no adjustments) / 12.06.2024

# 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-US201-104892024 issued on 12.06.2024**

| Input material | Output material | Add-ons (voluntary)[1)] | Raw material category[2)] | SAI FSA[3)] | FEFAC[4)] |
|---|---|---|---|---|---|
| Methane | Methanol | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | Benzene | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | Ethylene | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | Propylene | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | Butadiene | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | C5 (Isoprene) | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | C5 (DCPD) | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Diesel / FAME | C5 (Piperylene) | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Pyrolysis gas | Benzene | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Pyrolysis gas | Ethylene | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |

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|---|---|---|---|---|---|
| Pyrolysis gas | Propylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis gas | Butadiene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis gas | C5 (Isoprene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis gas | C5 (DCPD) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis gas | C5 (Piperylene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | Benzene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | Ethylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | Propylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | Butadiene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | C5 (Isoprene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | C5 (DCPD) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Pyrolysis oil | C5 (Piperylene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Naphtha | Benzene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Naphtha | Ethylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Naphtha | Propylene | N/A | Bio Bio-Circular | N/A | N/A |

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|---|---|---|---|---|---|
| | | | Circular | | |
| Naphtha | Butadiene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Naphtha | C5 (Isoprene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Naphtha | C5 (DCPD) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Naphtha | C5 (Piperylene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | Benzene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | Ethylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | Propylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | Butadiene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | C5 (Isoprene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | C5 (DCPD) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of diesel | C5 (Piperylene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of naphtha | Benzene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of naphtha | Ethylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of naphtha | Propylene | N/A | Bio Bio-Circular Circular | N/A | N/A |

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|---|---|---|---|---|---|
| Co-processed oil to be used for replacement of naphtha | Butadiene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of naphtha | C5 (Isoprene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of naphtha | C5 (DCPD) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Co-processed oil to be used for replacement of naphtha | C5 (Piperylene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | Benzene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | Ethylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | Propylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | Butadiene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | C5 (Isoprene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | C5 (DCPD) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| HVO (Hydrotreated Vegetable Oil) | C5 (Piperylene) | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Propane | Benzene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Propane | Ethylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Propane | Propylene | N/A | Bio Bio-Circular Circular | N/A | N/A |
| Propane | Butadiene | N/A | Bio Bio-Circular | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| | | | Circular | | |
| Propane | C5 (Isoprene) | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Propane | C5 (DCPD) | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |
| Propane | C5 (Piperylene) | N/A | Bio<br>Bio-Circular<br>Circular | N/A | N/A |

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|---|---|
| 1) | ISCC PLUS add-ons (voluntary application, see www.iscc-system.org for further information):<br>• 202-04: Food Security Standard<br>• 202-07: Low ILUC-risk feedstock<br>• 205-01: GHG emission requirements<br>• 205-02: Consumables<br>• 205-03: Non GMO for food and feed<br>• 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” |