

ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-US201-104892023

SCS Global Services
2000 Powell Street, Emeryville, CA 94608, USA

certifies that

Equistar Chemicals, LP
8280 Sheldon Road
Channelview, TX 77530
USA

complies with the requirements of the certification system

ISCC PLUS
(International Sustainability and Carbon Certification)

This certificate is valid from 14.06.2023 to 13.06.2024.

The site of the system user is certified as:

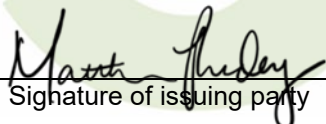
Processing Unit - Olefins Plant
Warehouse and Storage Facilities

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

Mass Balance

Emeryville, CA 13.06.2023

Place and date of issue


Stamp, Signature of issuing party

Annex 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-US201-104892023 issued on 13.06.2023

Input material	Output material	Add-ons (voluntary) ¹⁾	ISCC waste process applied ²⁾	SAI/ FSA ³⁾	FEFAC ⁴⁾
Bio Naphtha	Bio Ethylene	n/a	No	n/a	n/a
Bio Naphtha	Bio Propylene	n/a	No	n/a	n/a
Bio Naphtha	Bio Butadiene	n/a	No	n/a	n/a
Bio Naphtha	Bio C5 (Isoprene, DCPD, Piperylene)	n/a	No	n/a	n/a
Bio-Circular Naphtha	Bio-Circular Ethylene	n/a	Yes	n/a	n/a
Bio-Circular Naphtha	Bio-Circular Propylene	n/a	Yes	n/a	n/a
Bio-Circular Naphtha	Bio-Circular Butadiene	n/a	Yes	n/a	n/a
Bio-Circular Naphtha	Bio-Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Circular Pyrolysis Oil	Circular Ethylene	n/a	Yes	n/a	n/a
Bio Diesel / FAME	Bio Ethylene	n/a	No	n/a	n/a
Bio Diesel / FAME	Bio Propylene	n/a	No	n/a	n/a
Bio Diesel / FAME	Bio Butadiene	n/a	No	n/a	n/a
Bio Diesel / FAME	Bio C5 (Isoprene, DCPD, Piperylene)	n/a	No	n/a	n/a
Bio-Circular Diesel / FAME	Bio-Circular Ethylene	n/a	Yes	n/a	n/a
Bio-Circular Diesel / FAME	Bio-Circular Propylene	n/a	Yes	n/a	n/a
Bio-Circular Diesel / FAME	Bio-Circular Butadiene	n/a	Yes	n/a	n/a
Bio-Circular Diesel / FAME	Bio-Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Bio HVO	Bio Ethylene	n/a	No	n/a	n/a
Bio HVO	Bio Propylene	n/a	No	n/a	n/a
Bio HVO	Bio Butadiene	n/a	No	n/a	n/a

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Bio HVO	Bio C5 (Isoprene, DCPD, Piperylene)	n/a	No	n/a	n/a
Bio-Circular HVO	Bio-Circular Ethylene	n/a	Yes	n/a	n/a
Bio-Circular HVO	Bio-Circular Propylene	n/a	Yes	n/a	n/a
Bio-Circular HVO	Bio-Circular Butadiene	n/a	Yes	n/a	n/a
Bio-Circular HVO	Bio-Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Diesel	Bio Ethylene	n/a	No	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Diesel	Bio Propylene	n/a	No	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Diesel	Bio Butadiene	n/a	No	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Diesel	Bio C5 (Isoprene, DCPD, Piperylene)	n/a	No	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Diesel	Bio-Circular Ethylene	n/a	Yes	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Diesel	Bio-Circular Propylene	n/a	Yes	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Diesel	Bio-Circular Butadiene	n/a	Yes	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Diesel	Bio-Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Diesel	Circular Ethylene	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Diesel	Circular Propylene	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Diesel	Circular Butadiene	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Diesel	Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Naphtha	Bio Ethylene	n/a	No	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Naphtha	Bio Propylene	n/a	No	n/a	n/a
Bio Co-Processed Oil to be used for replacement of Naphtha	Bio Butadiene	n/a	No	n/a	n/a

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Bio Co-Processed Oil to be used for replacement of Naphtha	Bio C5 (Isoprene, DCPD, Piperylene)	n/a	No	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Naphtha	Bio-Circular Ethylene	n/a	Yes	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Naphtha	Bio-Circular Propylene	n/a	Yes	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Naphtha	Bio-Circular Butadiene	n/a	Yes	n/a	n/a
Bio-Circular Co-Processed Oil to be used for replacement of Naphtha	Bio-Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Naphtha	Circular Ethylene	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Naphtha	Circular Propylene	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Naphtha	Circular Butadiene	n/a	Yes	n/a	n/a
Circular Co-Processed Oil to be used for replacement of Naphtha	Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a
Circular Pyrolysis Oil	Circular Butadiene	n/a	Yes	n/a	n/a
Circular Pyrolysis Oil	Circular Propylene	n/a	Yes	n/a	n/a
Circular Pyrolysis Oil	Circular C5 (Isoprene, DCPD, Piperylene)	n/a	Yes	n/a	n/a

1)	ISCC PLUS add-ons (voluntary application, see www.iscc-system.org for further information): <ul style="list-style-type: none"> • 202-03: SAI Gold • 202-04: Food Security Standard • 205-01: GHG emission requirements • 205-02: Consumables • 205-03: Non GMO for food and feed • 205-04: Non GMO for technical markets
2)	Yes: The raw material meets 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 The voluntary information about PIR (post-industrial recycling) or PCR (post-consumer recycling) material can be stated in brackets. No: The raw material complies with the ISCC Principles 1 – 6 for the cultivation of sustainable biomass
3)	Farm Sustainability Assessment (FSA) was developed by the Sustainable Agriculture Initiative (SAI) SAI Silver Compliance: ISCC Compliant material can be claimed as “Equivalent to FSA 2.1 Silver” SAI Gold Compliance: ISCC Compliant material incl. add-on SAI Gold can be claimed as “Equivalent to FSA 2.1 Gold”
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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