



CONTROLUNION



ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE105-87594103

**Control Union Certifications Germany GmbH
Dorotheastr. 30, D-10318 Berlin, Germany**

certifies that

**Braskem SA - Unit Q3
PRESIDENTE COSTA E SILVA 1178, 09270-901 Santo André
BRAZIL**

complies with the requirements of the certification system

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

Place of the audit

(if different from the legal address of the system user as stated above; only applicable for traders and traders with storage):

n.a.

This certificate is valid from 14.01.2023 to 13.01.2024

The site of the system user is certified as:

Polymerization Plant – Cracker Unit

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

Mass balance

Berlin, 09.01.2023

Place and date of issue

Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 3 / 20.03.2023



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-DE105-87594103 issued on 09.01.2023

Input material	Output material	Add-ons (voluntary) ¹⁾	ISCC waste process applied ²⁾	SAI/ FSA ³⁾	FEFAC ⁴⁾
Circular Naphta (Pyrolysis Oil (Mixed Plastic Waste))	Circular Ethylene, Circular Propylene, Circular Butadiene, Circular Benzene, Circular C4 (Butane), Circular Dicyclopentadiene (DCPD), Circular Isoprene, Circular C5 (1,3 penta-diene), Circular Aromatic hydrocarbons (C10+), Circular Aromatic hydrocarbons (C9), Circular Solvent Naphtha, Circular Aliphatic Solvent, Circular Turpentine, Circular Para-xylene, Circular C4, Circular Toluene, Circular Mixed xylenes, Circular Pygas	No Add-ons	Yes	N.A.	N.A.
Circular Pyrolysis Oil (Mixed Plastic Waste)	Circular Ethylene, Circular Propylene, Circular Butadiene, Circular Benzene, Circular C4 (Butane), Circular Dicyclopentadiene (DCPD), Circular Isoprene, Circular C5 (1,3-penta-diene), Circular Aromatic hydrocarbons (C10+), Circular Aromatic hydrocarbons (C9), Circular Solvent Naphtha, Circular Aliphatic Solvent, Circular Turpentine, Circular Para-xylene, Circular C4, Circular Toluene, Circular Mixed xylenes, Circular Pygas	No Add-ons	Yes	N.A.	N.A.
Bio-Naphta (HVO)	Bio-Ethylene, Bio-Propylene, Bio Butadiene, Bio-Benzene, Bio-C4(Butane), Bio-Dicyclo-pentadiene (DCPD), Bio-Isoprene, Bio-C5 (1,3-pentadiene), Bio-Aromatic hydrocarbons (C10+), Bio-Aromatic hydrocarbons (C9), Bio-Solvent naphtha, Bio-Aliphatic Solvent, Bio-Turpentine, Bio-Para-xylene, Bio-C4, Bio-Toluene, Bio-Mixed xylenes; Bio-Pygas	No Add-ons	Yes	N.A.	N.A.
Bio-Circular Naphta ((HVO (Used cooking oil (UCO), Animal by-products (uncategorized))	Bio-Circular Ethylene, Bio-Circular Propylene, Bio-circular Butadiene, Bio-Circular Benzene, Bio-Circular C4(Butane), Bio-Circular Benzene, Bio-Circular Dicyclopentadiene (DCPD), Bio-Circular Isoprene, Bio-Circular C5 (1,3-pentadiene), Bio-Circular Aromatic hydrocarbons (C10+), Bio-Circular Aromatic hydrocarbons (C9), Bio-Circular Solvent naphtha, Bio-Circular Aliphatic Solvent, Bio-Circular Turpentine, Bio-Circular Para-xylene, Bio-Circular-C4, Bio-Circular-Toluene, Bio-Circular-Mixed xylenes, Bio-circular Pygas	No Add-ons	No	N.A.	N.A.

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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• 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 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”