



CONTROL UNION



ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE105-81842702

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

certifies that

**Braskem S.A. Q1 BA
Rua Eteno 1561, 42810000 Camaçari
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 06.01.2023 to 05.01.2024.

The site of the system user is certified as:

Cracker

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

Mass balance



Berlin, 06.01.2023

Place and date of issue

Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 2 / 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-DE105-81842702 issued on 06.01.2023

Input material	Output material	Add-ons (voluntary) ¹⁾	ISCC waste process applied ²⁾	SAI/ FSA ³⁾	FEFAC ⁴⁾
Circular Pyrolysis Oil (Mixed Plastic Waste)	Circular Ethylene, Circular Propylene, Circular Butadiene, Circular C4 (Butane), Circular Benzene, Circular Dicyclopentadiene (DCPD), Circular Isoprene; Circular C5 (1,3-pentadiene), Circular Aromatic hydrocarbons (C10+); Circular Aromatic hydrocarbons (C9), Circular Solvent Naphtha, Circular Turpentine, Circular Paraxylene, Circular C4, Circular Toluene, Circular Mixed Xylenes	No Add-ons	Yes	N.A.	N.A.
Circular Naphta (Pyrolysis Oil (Mixed plastic waste)	Circular Ethylene, Circular Propylene, Circular Butadiene, Circular C4 (Butane), Circular Benzene, Circular Dicyclopentadiene (DCPD), Circular Isoprene; Circular C5 (1,3-pentadiene), Circular Aromatic hydrocarbons (C10+); Circular Aromatic hydrocarbons (C9), Circular Solvent Naphtha, Circular Turpentine, Circular Paraxylene, Circular C4, Circular Toluene, Circular Mixed Xylenes	No Add-ons	Yes	N.A.	N.A.
Bio Naphta (HVO (vegetable oils))	Bio Ethylene, Bio Propylene, Bio Butadiene, Bio Benzene, Bio C4(Butane), Bio Dicyclopentadiene (DCPD), Bio Isoprene, Bio C5 (1,3-pentadiene), Bio Aromatic hydrocarbons (C10+), Bio Aromatic hydrocarbons (C9), Bio Solvent naphtha, Bio Turpentine, Bio Paraxylene, Bio C4 BioToluene, Bio-Mixed Xylenes	No Add-ons	No	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 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 Turpentine, Bio-circular Paraxylene; Bio-circular-C4, Bio-circular Toluene, Bio-circular Mixed Xylenes	No Add-ons	Yes	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”