



CONTROLUNION



ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE105-81842703

**Control Union Certifications Germany GmbH
Bornitzstr. 73-75, D-10365 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 06.01.2024 to 05.01.2025.

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, 02.01.2024

Place and date of issue


Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 2 / 12.02.2024



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-DE105-81842703 issued on 02.01.2024

Input material	Output material	Add-ons (voluntary) ¹⁾	Raw material category ²⁾	SAI FSA ³⁾	FEFAC ⁴⁾
Naphtha	Ethylene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Propylene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Butadiene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	C4 (Butane)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Dicyclopentadiene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Isoprene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	C5 (1,3-pentadiene)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Aromatic hydrocarbons (C10+)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Aromatic hydrocarbons (C9)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Solvent naphtha	n.a.	Bio Circular Bio-circular	n.a.	n.a.

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Input material	Output material	Add-ons (voluntary) ¹⁾	Raw material category ²⁾	SAI FSA ³⁾	FEFAC ⁴⁾
Naphtha	Turpentine	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Xylenes (Para-xylene)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	C4	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Toluene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Mixed xylenes	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Benzene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Ethylene	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Propylene	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Butadiene	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	C4 (Butane)	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Dicyclopentadiene	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Isoprene	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	C5 (1,3-pentadiene)	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Aromatic hydrocarbons (C10+)	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Aromatic hydrocarbons (C9)	n.a.	Circular	n.a.	n.a.

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Input material	Output material	Add-ons (voluntary) ¹⁾	Raw material category ²⁾	SAI FSA ³⁾	FEFAC ⁴⁾
Pyrolysis oil (Mixed plastic waste)	Solvent naphtha	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Turpentine	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Xylenes (Para-xylene)	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	C4	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Toluene	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Mixed xylenes	n.a.	Circular	n.a.	n.a.
Pyrolysis oil (Mixed plastic waste)	Benzene	n.a.	Circular	n.a.	n.a.

1) ISCC PLUS add-ons (voluntary application, see www.iscc-system.org for further information):

- 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) 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"