



**CONTROLUNION**



## ISCC PLUS Certificate

**Certificate Number: ISCC-PLUS-Cert-DE105-88507803**

**Control Union Certifications Germany GmbH  
Bornitzstr. 73-75, D-10365 Berlin, Germany**

certifies that

**Braskem S.A. Q3IN ABC  
Rua da União 765, 09380-900 Mauá  
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 17.01.2024 to 16.01.2025.**

The site of the system user is certified as:

Cracker unit

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

Mass balance

Berlin, 17.01.2024

Place and date of issue



Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.  
Version / Date: 1 (no adjustments) / 17.01.2024



## 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-DE105-88507803 issued on 17.01.2024**

Input material	Output material	Add-ons (voluntary) <sup>1)</sup>	Raw material category <sup>2)</sup>	SAI FSA <sup>3)</sup>	FEFAC <sup>4)</sup>
Pyrolysis Oil	Ethylene	n.a.	Circular	n.a.	n.a.
Benzene	Cumene	n.a.	Bio Circular Bio-Circular	n.a.	n.a.
Pyrolysis Oil	Propylene	n.a.	Circular	n.a.	n.a.
Pygas	Hydrocarbon resin (aromatic hydrocarbon resin)	n.a.	Bio 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.
C4 (Raffinate 1)	Hydrocarbon resin (Polyisobutylene resin)	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.
Benzene	Cyclohexane	n.a.	Bio Circular Bio-circular	n.a.	n.a.

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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.
Propylene	Tetramer	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Turpentine	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Naphtha	Para-xylene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Propylene	Nonene	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	n.a.	n.a.
Naphtha	Benzene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Pyrolysis Oil	Butadiene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	C4 (Butane)	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Dicyclopentadiene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Isoprene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	C5 (1,3-pentadiene)	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Aromatic Hydrocarbons (C10+)	n.a.	Circular	n.a.	n.a.

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Pyrolysis Oil	Aromatic Hydrocarbons (C9)	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Solvent Naphtha	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Turpentine	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Para-xylene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Toluene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Mixed xylenes	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	Benzene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil	C4	n.a.	Circular	n.a.	n.a.
Naphtha	Ethylene	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha	Propylene	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha	C4	n.a.	Bio Circular Bio-circular	n.a.	n.a.

1) ISCC PLUS add-ons (voluntary application, see [www.iscc-system.org](http://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”