



**CONTROLUNION**



## ISCC PLUS Certificate

**Certificate Number: ISCC-PLUS-Cert-DE105-87594105**

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

certifies that

**Braskem SA - Unit Q3  
PRESIDENTE COSTA E SILVA 1178, 09270901 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 15.07.2024 to 14.07.2025.**

The site of the system user is certified as:

Polymerization plant

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

Mass balance

Berlin, 15.07.2024

Place and date of issue

Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.  
Version / Date: 3 / 18.11.2024





## 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-DE105-87594105 issued on 15.07.2024**

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 (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	Ethylene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	Propylene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	Butadiene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	C4 (Butane)	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	Pygas	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	C4 (Raffinate 1)	n.a.	Circular	n.a.	n.a.

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Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	C4	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	Toluene	n.a.	Circular	n.a.	n.a.
Pyrolysis Oil (Mixed plastic waste), Naphtha (Pyrolysis oil from mixed plastic waste, End-of-life tires)	Benzene	n.a.	Circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	Ethylene	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	Propylene	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	Butadiene	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	C4 (Butane)	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	Pygas	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	C4 (Raffinate 1)	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	C4	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	Toluene	n.a.	Bio Bio-circular	n.a.	n.a.
Naphtha (HEFA), HVO (HEFA)	Benzene	n.a.	Bio Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	Ethylene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	Propylene	n.a.	Bio Circular Bio-circular	n.a.	n.a.

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Refinery offgas (HLR)	Butadiene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	C4 (Butane)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	Pygas	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	C4 (Raffinate 1)	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	C4	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	Toluene	n.a.	Bio Circular Bio-circular	n.a.	n.a.
Refinery offgas (HLR)	Benzene	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”

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