

ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-DE100-09100121

SGS Germany GmbH
Europa Allee 12, D-49685 Emstek
certifies that

Borealis AG

Muovintie 19
06850 Kullo
FINLAND

complies with the requirements of the certification system

ISCC PLUS

(International Sustainability and Carbon Certification)



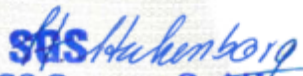
Place of the audit:
see above

This certificate is valid from 10.09.2021 to 09.09.2022

The site of the system user is certified as:
cracker, specialty chemical plant, polymerization plant, compounding plant, trader with storage

The scope of the certificate includes the following chain of custody options:
mass balance

Emstek, 09.09.2021
Place and date of issue


SGS Germany GmbH
Stamp, Signature

The issuing Certification Body is responsible for the accuracy of this document.

Version / Date: 3 (2 adjustments) / 30.11.2021



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Annex to the certificate:

Sustainable materials handled by the certified site

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Input material	Output material	GHG values ¹	ISCC waste process applied ²	SAI/FSA ³	FEFAC ⁴
bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular PP	N/A	Yes		
bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular PE	N/A	Yes		
bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular ethylene	N/A	Yes		
bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular propylene	N/A	Yes		

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"

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bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular butadiene	N/A	Yes		
bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular phenol	N/A	Yes		
bionaphtha(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular acetone	N/A	Yes		
circular naphtha(mixed plastic waste)	circular PP	N/A	Yes		
circular naphtha(mixed plastic waste)	circular PE	N/A	Yes		
circular naphtha(mixed plastic waste)	circular ethylene	N/A	Yes		

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circular naphtha(mixed plastic waste)	circular propylene	N/A	Yes		
circular naphtha(mixed plastic waste)	circular butadiene	N/A	Yes		
circular naphtha(mixed plastic waste)	circular phenol	N/A	Yes		
circular naphtha(mixed plastic waste)	circular acetone	N/A	Yes		
biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular PP	N/A	Yes		
biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular PE	N/A	Yes		

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biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular propylene	N/A	Yes		
biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular butadiene	N/A	Yes		
biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular phenol	N/A	Yes		

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biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular acetone	N/A	Yes		
circular recycled carbon fuel(mixed waste plastic)	circular PP	N/A	Yes		
circular recycled carbon fuel(mixed waste plastic)	circular PE	N/A	Yes		
circular recycled carbon fuel(mixed waste plastic)	circular ethylene	N/A	Yes		
circular recycled carbon fuel(mixed waste plastic)	circular propylene	N/A	Yes		
circular recycled carbon fuel(mixed waste plastic)	circular butadiene	N/A	Yes		
biodiesel(palm fatty acid distillate (PFAD), used cooking oil (UCO) entirely of veg. origin, palm oil mill effluent (POME) oil, spent bleaching earth, crude tall oil (CTO))	bio-circular crude C4	N/A	Yes		
circular recycled carbon fuel(mixed plastic waste)	circular crude C4	N/A	Yes		
bio-circular crude C4	bio-circular butadiene	N/A	Yes		

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circular crude C4	circular butadiene	N/A	Yes		
biopropane(palm fatty acid distillate (PFAD), palm oil mill effluent (POME) oil, spent bleaching earth, used cooking oil (UCO) entirely of veg. origin)	PP	N/A	Yes		
biopropane(palm fatty acid distillate (PFAD), palm oil mill effluent (POME) oil, spent bleaching earth, used cooking oil (UCO) entirely of veg. origin)	PE	N/A	Yes		
biopropane(palm fatty acid distillate (PFAD), palm oil mill effluent (POME) oil, spent bleaching earth, used cooking oil (UCO) entirely of veg. origin)	ethylene	N/A	Yes		
biopropane(palm fatty acid distillate (PFAD), palm oil mill effluent (POME) oil, spent bleaching earth, used cooking oil (UCO) entirely of veg. origin)	propylene	N/A	Yes		
biopropane(palm fatty acid distillate (PFAD), palm oil mill effluent (POME) oil, spent bleaching earth, used cooking oil (UCO) entirely of veg. origin)	butadiene	N/A	Yes		

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biopropane(palm fatty acid distillate (PFAD), palm oil mill effluent (POME) oil, spent bleaching earth, used cooking oil (UCO) entirely of veg. origin)	acetone	N/A	Yes		

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