Proof of Sustainability (PoS) for Biofuels, Bioliquids and Biomass fuels

V1.2

For Biofuels, Bioliquids and Biomass fuels according to the Renewable Energy Directive (EU) 2018/2001 (RED II)

Unique Number of Proof of Sustainability:	EU-REDcert-PoS	-	YYYYMMDD	-	XXXXXX
Place and Date of Physical Supply:	city, DD.MM.YYYY				
Date of Issuance:	DD.MM.YYYY				

Supplier	Recipient
Name	Name
company	company
Address	Address
street	street
city	city
country	country

Certification Scheme: **REDcert-EU**

Certificate Number	Contract Number
EU-REDcert-XXX-XXXXXXXX	

General Information

Type of Product			
Type of Raw Material			
Additional Information (optional)			
Country of Origin (of the raw material)	PLEASE SELECT		
Mass Balance Option	PLEASE SELECT		
Quantity		☐ m^3	☐ mt (metric tons)
Energy content		MJ	

Sustainability criteria of the biomass according to Article 29 RED II

The material complies with the sustainability criteria according to Art. 29 (3), (4) and (5) RED II [1]	☐
The sustainability criteria according to Art. 29 (3), (4) and (5) RED II were not taken into account [2]	☐

Information about any incentive/subsidy (e.g. for biogas/biomethane)

Is there any incentive/subsidy in the renewable energy sector the material may have received so far? ☐ yes ☐ no

If yes, please specify

Greenhouse Gas (GHG) information

Total default value according to RED applied ☐ yes ☐ no

Eec	+	Eec*	+	El	+	Ep	+	Ep**	+	Etd	+	Etd***	+	Eu	-	Esca	-	Eccs	-	Eccr	=	E

Calculation of GHG emission[3] savings for biofuels/biomass fuels ☐ yes ☐ no

☐ for biofuels/biomass fuels (94 gCO2eq/MJ)

Calculation of GHG emission[3] savings for electricity and/or heat production ☐ yes ☐ no

Electrical efficiency (ηel)	%	Heat efficiency (ηh)	%
Fraction of exergy in the electricity (Cel)	%	Carnot efficiency (Ch)	%

☐ for bioliquids (for energy installations delivering electricity (183 gCO2eq/MJ))

☐ for bioliquids (for energy installations delivering only heat (80 gCO2eq/MJ))

☐ for bioliquids (for the electricity or mechanical energy coming from energy installations delivering useful heat together with electricity and/or mechanical energy (183 gCO2eq/MJ))

☐ for bioliquids (for the useful heat coming from energy installations delivering heat together with electricity and/or mechanical energy (80 gCO2eq/MJ))

Date when the installation started operation[4]

Note: GHG emission savings shall be at least 50% for biofuels/bioliquids/biomass fuels produced in installations starting operation before 6 October 2015, at least 60% for biofuels/bioliquids/biomass fuels produced in installations starting operation from 6 October 2015 and at least 65% for biofuels/bioliquids/biomass fuels starting operation from 1 January 2021.

[1] Applicable for biomass from agricultural, aquaculture, fisheries and forestry including residues from agricultural, aquaculture, fisheries and forestry residues
[2] Applicable for waste and residues other than agricultural, aquaculture, fisheries and forestry residues
[3] Saving is calculated automatically based on the fossil fuel comparator according to the RED:
(EF – EB)/EF where EB = total emissions from the biofuels/bioliquids/biomass fuels and EF = total emissions from the fossil fuel comparator

[4] An installation is deemed to be in operation if it produces biofuels, bioliquids, or biomass fuels for the first time in accordance with its intended purpose after establishing that it is technically ready for operation. The date the installation became operational does not change if individual technical or structural parts are replaced after initial start-up.

* Disaggregated default values for cultivation: 'eec' – for soil N_2O emissions only (these are already included in the disaggregated values for cultivation emissions in the 'eec' table of the RED II)
** Disaggregated default values for oil extraction only (these are already included in the disaggregated values for processing emissions in the 'ep' table of the RED II)
*** Disaggregated default values for transport and distribution of final fuel only (these are already included in the table of 'transport and distribution emissions etd' of the RED II)