

# GOGREEN PLUS CERTIFICATE 2024

## AB Scientific Ltd

used **DHL GoGreen Plus** Low Emission Transportation Services for air transportation, facilitated by sustainable aviation fuel.

For the period between 01-Jan-2024 and 31-Dec-2024, a third-party auditor verified the below numbers as part of this service:

Measure	Unit	Low Emission transport Service	Reference Standard Service
Total WtW emissions	t CO <sub>2</sub> e	<b>0.33</b>	12.47
Tonne-km transported	tkm	<b>15,741.40</b>	15.741.40
WtW Carbon Intensity	g CO <sub>2</sub> e / tkm	<b>21.07</b>	792.18
		Sustainable Aviation Fuel	Reference Jet A
Energy Source	Tonnes	<b>3.21</b>	3.21
(Fuels/Electricity) <sup>2</sup>	m MJ	<b>0.14</b>	0.14
	Liters	<b>4,175.03</b>	3,968.85
WtW Carbon Intensity	%	<b>100.00%</b>	

**Reduced WtW emissions** t CO<sub>2</sub>e **12.14 (-97.34%)**

Listing main fuel locations only:

Producer/Supplier	Process	Feedstock	Certification	Station
AirBP	Hydrotreated Esters and Fatty Acids (HEFA)	Used Cooking Oil (UCO) only	ISCC Plus	LEJ

Certificate ID: **DHL-EXP-TDI-202401-3696**



**Michiel Greeven**

Executive Vice President Global Commercial DHL Express

This certificate is issued by DHL Express. The greenhouse gas emissions have been calculated and reduced based on expenditures of the GoGreen Plus Services and contractually agreed emission reduction abatement price for sustainable aviation fuel. Through a book-and-claim accounting process, the greenhouse gas emission reductions are allocated to the customer's emission balance even if DHL Express is not physically using SAF at the locations where the customer's shipments are transported.

According to DHL Group's Sustainable Fuel Policy only sustainably produced fuels without palm oil and palm fatty acid distillate (PFAD) certified by the Roundtable of Sustainable Biomaterials (RSB) or International Sustainability & Carbon Certification (ISCC) may be used. DHL Group used the SAF and reduced emissions from its greenhouse gas emission balance reporting Scope 1 and Scope 3 category 3. When DHL Group engaged in a low emission transport solution through a partnership with DHL partner airlines, it resulted in a reduction of the Group's greenhouse gas emissions within the Scope 3 category 4. Further details about the fuel partners and batches can be provided upon request. The Sustainable Aviation Fuel ("SAF") as documented within this certificate, has been purchased by DHL Group or its affiliates. SGS (Société Générale de Surveillance) has verified the tracked greenhouse gas emissions and the related reductions against the Carbon Management System and according to the, Greenhouse Gas Protocol – Product Life Cycle Accounting and Reporting Standard". Definitions of the terms mentioned in this certificate can be found on the following page. DHL Group does not take any liability relating to the ability of its customer to make a successful claim of emission reduction of Scope 3 category 4 and 9.

1) Reference Standard Service – refers to entire contracted logistic service.

2) The above Energy Source figures are calculated with verified conversion factors and are provided for reference only.



# GLOSSARY

TERM	Definition
Bio-CNG	Substitute for Compressed Natural Gas based on biogas
Bio-LNG	Substitute for Liquefied Natural Gas based on biogas
CO <sup>2</sup> e	CO <sup>2</sup> equivalents include carbon dioxide (CO <sup>2</sup> ) and other greenhouse gases such as methane (CH <sub>4</sub> )
EV	Electric Vehicle
HVO	Hydrotreated Vegetable Oil (also known as renewable Diesel)
HFO	Heavy Fuel Oil (fossil marine fuel)
Jet-A	Conventional, fossil jet-fuel
Low Emission Transport Service	Transport Service based on sustainable fuels and/or clean technologies such as electric vehicles
MJ	Megajoule - relevant measure for energy content of Fuel
SMF	Sustainable Marine Fuel
SAF	Sustainable Aviation Fuel
tkm	Tonne-kilometer - relevant measure for transport service volume
WtW	Well-to-Wake emissions include the full lifecycle from production to use of a fuel / energy carrier used

## Default Conversion Factors

	Tonnes	MJ	Liters	CO <sup>2</sup> e Intensity WtW (tonnes)
CNG	1	45.100	5.405	3.072
Diesel (B7)	1	42.554	1.190	3.781
Jet Fuel	1	44.100	1.235	3.879
LNG	1	44.100	2.198	3.620
Marine Fuel	1	43.667	1.111	3.680

# GOGREEN PLUS

# CERTIFICATE 2024

Customer Name	AB Scientific Ltd
Initial Date	01-Jan-2024
Final Date	31-Dec-2024
Group Name	
MAC Code	
MAC Name	
Billing Country	IE,GB
MC CPA Code	
MC CPA Name	
CPA Code	
CPA Name	AB SCIENTIFIC LTD
Account Numbers	