

Emission Mitigation Certificate

Issue Date: 01.05.2024
Certificate Number: CCP/2606A

Marine Tours S.A.

Lufthansa Group and Compensaid hereby guarantee the purchase of **500 kg** of Sustainable Aviation Fuel on behalf of **Marine Tours S.A.** resulting in an emission mitigation of at least **1,495 kg CO₂e*** in comparison to conventional (fossil) jet fuel based on a Well-to-Wheel assessment. This fuel has not been derived from Palm Oil or Palm Fatty Acid Distillates and the resulting mitigation is exclusively allocated to the aforementioned company. The fuel manufacturer is certified according to ISCC EU and complies with the requirements of the RED and the certification system ISCC EU which is approved by the European Commission.

Total Mass: 500 kg
Total Energy Equivalent: 21,400 MJ
WTW emission factor: max. 17,46 g CO₂e*/MJ
Mitigation in percent (WTW basis): min. 80 %
Mitigation (absolute): min. 1,495 kg CO₂e*
Fossil fuel reference: min. 1,868 kg CO₂e*
Uplift location: Frankfurt (FRA)

CO₂e* mitigation
1,495 kg

Amount of SAF purchased
500 kg



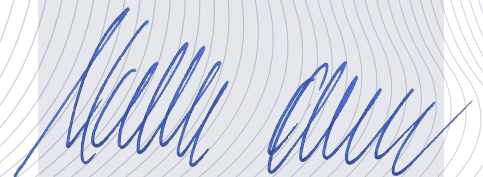
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Müller-BBM Cert Umweltgutachter GmbH

Independent auditor for verification of this certificate and the associated calculation principle

* Includes CO₂-equivalents from production, transport and distribution of the fuel; excludes CO₂-equivalents from combustion.

Calculation based on:

emission factor SAF (TTW): 0 g CO₂e/MJ; emission factor fossil fuel (TTW, acc. Regulation (EU) 2018/2066): 3,150 g CO₂/kg Jet-A1; energy factor (acc. DIN 16258): 44.1 MJ/kg Jet-A1; emission factor SAF (WTT): as given in NABISY Certificate or Refiner's Biofuel Sustainability Statement; emission factor fossil fuel (WTT, acc. DIN 16258): 15.9 g CO₂e/MJ; lower heating value (acc. ASTM D1655): min. 42.8 MJ/kg