

## CERTIFICATE

In cooperation with Arqum GmbH the  
**greenhouse gas balance of HVL GmbH**  
at the site Badenweiler  
was calculated for the year 2023.

The following emission sources were identified and accounted for:

- Scope 1: natural gas, fuels, refrigerants
- Scope 2: electricity
- Scope 3: fuel- and energy-related upstream supply chain emissions, purchased goods, travel by service providers, waste, business trips, employee commuting

For the year 2023 **37.032 kg CO<sub>2</sub>e** greenhouse gas emissions were calculated.

The calculation was done in accordance with the requirements of the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard. The emission factors used are largely taken from the databases Gemis, Defra and Ademe. The balance was calculated on the basis of activity data provided by the customer.

Despite research into accurate emission factors and careful calculation, deviations of the actual emissions from the calculated GHG balance cannot be completely ruled out, e.g. due to subsequent corrections of the emission factors, ambiguities in the supply chain, misleading data basis or unclear/unknown material composition.



Stuttgart, 26 March 2024  
Ellen Leibing, Arqum GmbH



UMWELT



KLIMA



ENERGIE



ARBEITSSICHERHEIT



QUALITÄT



INTERNATIONAL



CSR/NACHHALTIGKEIT



COMPLIANCE