



## FLASH TEST REPORT

Vehicle Execution

State of charge Date

23/04/2025 09:14:50

Carla AB

22 %

Brand Model

VIN Mileage

Kia e-Niro - 64 kWh KNACC81GFK5019417 101,112 km

**Analysis Result** 

Executed by

# **AVILOO SCORE**



High voltage battery usage and history

Analysis of charging & driving behavior

69 / 70

High voltage battery performance

Analysis of cell voltages and module temperatures.

30 / 30

High voltage battery control unit

Check of signals and calculations of the battery management control unit.



Vehicle communication interface

Check of communication via the diagnostic interface.



Dr. Marcus Berger CEO and Partner

DI Wolfgang Berger MBA CSO and Founder

DI Nikolaus Mayerhofer CTO and Founder





### **EXPLANATION OF THE BATTERY FLASH TEST**

#### **ANALYSIS METHOD**

The analysis performed is a combined result of: The communication quality between the diagnostic hardware AVILOO Box and the on-board diagnostic interface of the vehicle. The live battery data and data that indicates the previous use of the high voltage battery, which is made available to the AVILOO Box by the battery management system during the measurement. The plausibility check and classification of the battery condition using the collected values and a comparison with the AVILOO Battery Cloud using Big Data algorithms.

#### FLASH TEST EXECUTION PROTOCOL

09:14:46 AVILOO Box connected.

- FLASH Test started.
- Vehicle detected.
- Starting data acquisition.
- Finished data acquisition.
- Analyzing data.
- Analysis completed.

#### DETAILED RESULTS OF PERFORMED CHECKS

#### **Vehicle Information**

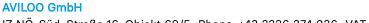
VIN KNACC81GFK5019417 23/04/2025 09:14:50 Date Mileage 101,112 km

#### Measurements High Voltage System

Battery temperature 15 °C Maximum cell temperature deviation 1°C Pack voltage 348.9 V Maximum cell voltage deviation 0 mV-5.4 A Peak current during check State of Health (SoH - read from car manufacturer)\* 100 %

\*The SoH shown here was not calculated by AVILOO but corresponds to the SoH read out from the battery management system and calculated by the manufacturer. AVILOO therefore does not guarantee the correctness of this SoH.





IZ NÖ-Süd, Straße 16, Objekt 69/5 Phone: +43 2236 374 036 VAT No.: ATU 737 81605 2355 Wiener Neudorf Mail: info@aviloo.com Co. No.: 502117 h

Web: www.aviloo.com

