



## FLASH TEST REPORT

## Execution

State of charge Date Executed by 67 % 17/03/2025 10:06:33 Carla AB

### Vehicle Brand

Model VIN Mileage Hyundai Kona - 64 kWh TMAK381GFNJ050547 48,636 km

## **Analysis Result**

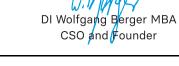
# AVILOO SCORE



High voltage battery usage and history Analysis of charging & driving behavior	<b>69</b> / 70
High voltage battery performance Analysis of cell voltages and module temperatures.	<b>30</b> / 30
<b>High voltage battery control unit</b> Check of signals and calculations of the battery management control unit.	<ul> <li>✓</li> </ul>
Vehicle communication interface Check of communication via the diagnostic interface.	<b>~</b>

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Dr. Marcus Berger CEO and Partner



DI Nikolaus Mayerhofer CTO and Founder

\* \* \* Approved Battery Health Check



## **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

10:06:29	AVILOO E	Box connected.
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- V FLASH Test started.
- ~ Vehicle detected.
- ~ Starting data acquisition.
- / Finished data acquisition.
- Analyzing data.
- Analysis completed.

#### **DETAILED RESULTS OF PERFORMED CHECKS**

#### Vehicle Information

VIN Date	TMAK381GFNJ050547 17/03/2025 10:06:33
Mileage	48,636 km
Measurements High Voltage System	
Battery temperature	17 °C
Maximum cell temperature deviation	1 °C
Pack voltage	372.7 V
Maximum cell voltage deviation	20 mV
Peak current during check	-3.9 A
State of Health (SoH - read from car manufacturer)*	99.7 %

\*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.



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