

# INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: D30B8AD1-E983-4F9B-9B87-ABE1FECA95C0

## VEHICLE

**BRAND:** Kia  
**MODEL:** e-Niro - 64 kWh

**MILEAGE:** 72,135 km  
**VIN:** KNACC81GFM5098038  
**DATE AND TIME:**  
27.08.2025, 10:16:16

**EXECUTED BY:** Carla AB

## RESULTS

### STATE OF HEALTH (SOH)

# 96.7 %

#### ENERGY

63kWh | 65kWh



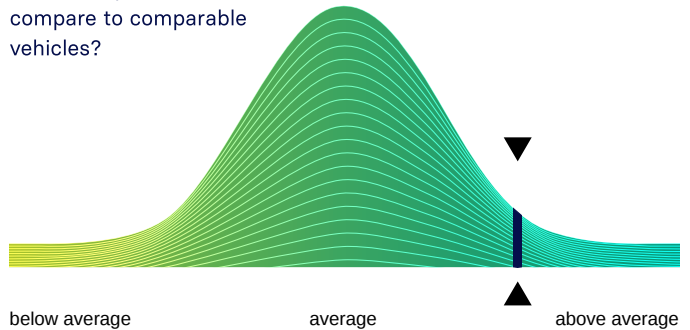
#### WLTP RANGE

440km | 455km

## RATING

### BENCHMARKING

How does your vehicle compare to comparable vehicles?



## CHECKS

|                                 |   |
|---------------------------------|---|
| Battery Management System (BMS) | ✓ |
| Battery Sensor                  | ✓ |
| Battery Measurements            | ✓ |
| Battery Cell Voltages           | ✓ |
| Vehicle Communication           | ✓ |



SCAN FOR DETAILS

## EVALUATION

### EXCELLENT HEALTH - NO ABNORMALITIES DETECTED

Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in excellent condition.

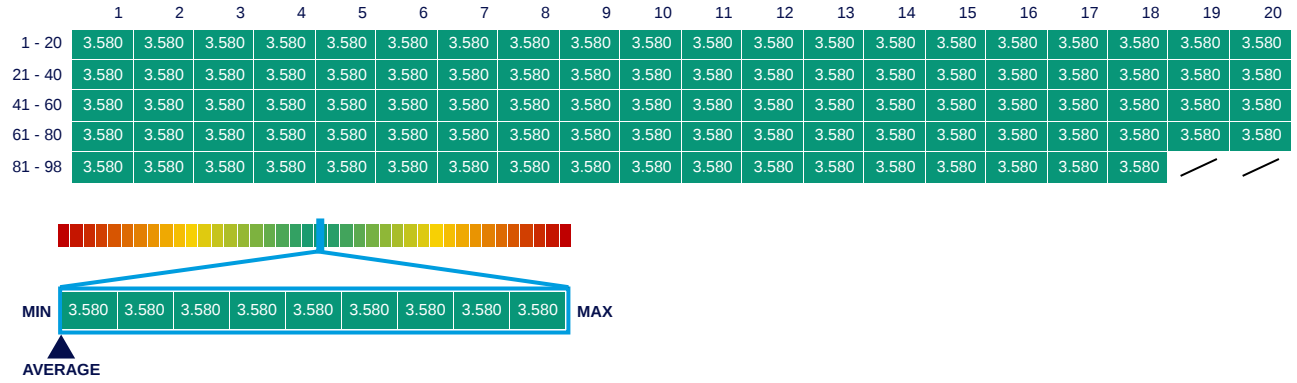
The drive battery is therefore officially AVILOO Certified.

*Marcus Berger*

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

|                            |          |
|----------------------------|----------|
| AVILOO Box connected.      | 10:16:13 |
| FLASH Test started.        | ✓        |
| Vehicle detected.          | ✓        |
| Starting data acquisition. | ✓        |
| Finished data acquisition. | ✓        |
| Analyzing data.            | ✓        |
| Analysis completed.        | ✓        |

RANGE

|          |           |         |            |
|----------|-----------|---------|------------|
|          | WLTP      | Typical | Individual |
| Current: | 440-440km | 350km   | 361km      |
| New:     | 455-455km | 362km   | 374km      |

ENERGY

|          |         |               |         |
|----------|---------|---------------|---------|
|          | Gross   | Net (Nominal) | Usable  |
| Current: | 65.1kWh | 63.2kWh       | 63.2kWh |
| New:     | 67.3kWh | 65.3kWh       | 65.3kWh |

MEASUREMENTS

|                     |        |        |       |        |
|---------------------|--------|--------|-------|--------|
|                     | Min    | Max    | Delta | Status |
| Battery Temperature | 13.0°C | 14.0°C | 1.0°C | ✓      |
| Cell Voltage        | 3.580V | 3.580V | 0mV   | ✓      |
| Pack Voltage        | 352.1V |        |       |        |
| Average Current     | -3.9A  |        |       |        |

BMS

|                             |       |        |
|-----------------------------|-------|--------|
|                             | Value | Status |
| BMS State of Charge (SoC)*: | 34%   |        |
| SoC calculation accuracy:   |       | ✓      |
| BMS State of Health (SoH)*: | 100%  |        |
| SoH calculation accuracy:   |       | ✓      |

SENSORS

|                      |   |
|----------------------|---|
| Voltage Sensor       | ✓ |
| Current Sensor       | ✓ |
| Temperature Sensors  | ✓ |
| Cell Voltage Sensors | ✓ |