

INDEPENDENT

Electric Vehicle Battery Certificate

Certificate issued by



Certificate creation time: 2026-10-06, 11:10

Certificate number: 20261006.147

Vehicle information

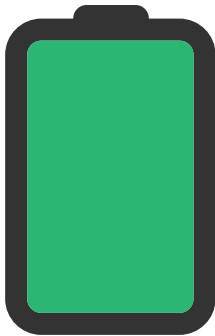
Registration number / VIN Brand / Model Odometer Battery type Charging port type
TCW27P / KNACC81GFK5009349 KIA Niro 202650 km LIPB CCS

Test results

Date and time of test: 2026-10-02, 09:12

Test performed by: **kvdbil**

State of health (SOH)



100%

Battery capacity

Estimated capacity 64.0 kWh
Factory new capacity 64.0 kWh

WLTP range

Estimated WLTP 455 km
Factory new WLTP 455 km

Diagnostics

	MIN	MAX	DELTA
Battery temperature	16.0°C	17.0°C	1.0°C
Cell voltage	3.86V	3.86V	0mV

Cell voltages

1-24	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860
25-48	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860
49-72	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860
73-96	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860
97-98	3.860	3.860																					

Normal: Cell voltage deviation is within the expected range.

Method and control

Battery assessment is based on diagnostic data retrieved from the vehicle's OEM Battery Management System (BMS) and comparative reference data from similar vehicle models.

Attest

The test was executed according to the Optiledger SOH procedure with no known technical issues during data acquisition.

Disclaimer

Results represent an estimated assessment of battery condition at the time of testing and do not constitute a warranty or guarantee of battery capacity, performance, or remaining lifetime. The original WLTP range is determined and published by the vehicle manufacturer under standardized laboratory test conditions. The estimated WLTP presented in this report is calculated from diagnostic data and reference parameters and does not represent actual driving range. Real-world range may vary depending on driving conditions, temperature, load, and driving behavior. Full methodology, limitations and liability disclaimer available at: https://optiledger.se/legal/optiledger_battery_test_methodology_and_disclaimer.pdf.