INDEPENDENT

# BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: 1FE4A8F7-1932-48D0-A3DD-241E61966806

## VEHICLE

**BRAND:** BYD
**MODEL:** Seal - 82,56 kWh

**MILEAGE:** 42,316 km
**VIN:** LGXCF6CD4R2038414
**DATE AND TIME:**
16/10/2026, 14:54

**EXECUTED BY:** Carma

## RESULTS

Independent
**STATE OF HEALTH (SOH)**

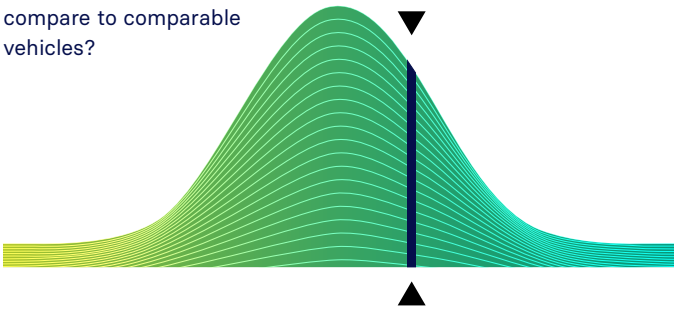
**97.6 %**

**ENERGY** 77kWh | 79kWh

**WLTP RANGE** 556km | 570km

## RATING

**BENCHMARKING**
How does your vehicle compare to comparable vehicles?



below average | average | above average

## 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.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

THIS BATTERY IS TESTED AND AVILOO CERTIFIED
AVILOO CERTIFIED

## ENERGY

| | Gross | Net (Nominal) | Usable |
|---|---|---|---|
| Current: | 80.4kWh | 77.1kWh | 74.0kWh |
| New: | 82.4kWh | 79.0kWh | 75.9kWh |

## RANGE

| | WLTP | Typical |
|---|---|---|
| Current: | 507-556km | 390km |
| New: | 520-570km | 400km |

## EXECUTION PROTOCOL

| AVILOO Box connected. | 14:54:13 |
|---|---|
| FLASH Test started. | ✓ |
| Vehicle detected. | ✓ |
| Data acquisition started. | ✓ |
| Data acquisition completed. | ✓ |
| Data analysis started. | ✓ |
| Data analysis completed. | ✓ |

## SENSORS

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

## BMS

| | Value | Status |
|---|---|---|
| BMS State of Charge (SoC)*: | 77% | |
| SoC calculation accuracy: | | ✓ |
| BMS State of Health (SoH)*: | 99% | |
| SoH calculation accuracy: | | ✓ |

## MEASUREMENTS

| | Min | Max | Delta | Status |
|---|---|---|---|---|
| Battery Temperature | 18.0°C | 20.0°C | 2.0°C | ✓ |
| Cell Voltage | 3.309V | 3.312V | 3mV | ✓ |
| Pack Voltage | 569.1V | | | |
| Average Current | -2.0A | | | |

*The values shown here were read directly from the vehicle's battery management system (BMS) and are calculated and provided by the vehicle manufacturer. The State of Health (SoH) displayed corresponds to the value reported by the BMS and is CARA-certified.

**DISCLAIMER:** The test result includes the currently calculated state of health (SoH) of the drive battery. The determination is based on data provided by the vehicle. These are evaluated by AVILOO's algorithms using statistical and analytical models. Manipulation of the data in the control unit leads to an incorrect result. The indicated SoH has a technically induced fluctuation range (deviation) of no more than 3% in at least 95% of reference measurements. It should be noted that this tolerance applies to the SoH determination at the cell level and not to the SoH of the entire battery. This is because the state of charge of individual cells may vary, which can negatively affect the current SoH of the battery. However, this can be compensated by the Battery Management System (BMS) or during a calibration. The result reflects the condition of the battery at the time of the test. No conclusions can be drawn about the future state of health of the battery from this. Statements about mechanical damage or external influences are not part of this diagnosis.

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