INDEPENDENT

## **BATTERY CERTIFICATE**



CERTIFICATE NUMBER: 1BE9924D-0D23-4358-858A-DB2F2ECEED40

VEHICLE

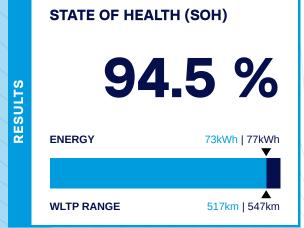
**BRAND:** Volkswagen **MODEL:** ID4 - 77 kWh

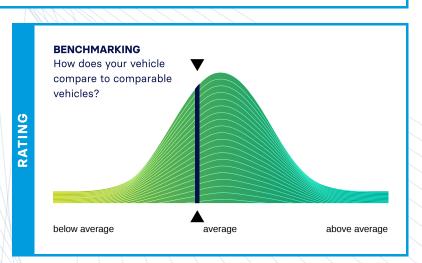
MILEAGE: 47,735 km

VIN: WVGZZZE2ZNP024449

**DATE AND TIME:** 29.09.2025, 08:45:40

**EXECUTED BY:** Carla AB





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication



LUATION

## **GOOD 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 good condition.

The drive battery is therefore officially AVILOO Certified.

horas Reiser

Dr. Marcus Berger, CEO





**CELL VOLTAGES DIAGRAM** 

}.		Gross	Net (Nominal)	Usable
ENERGY	Current:	77.5kWh	72.8kWh	69.9kWh
Z W	New:	82.0kWh	77.0kWh	74.0kWh

ш		WLTP	Typical	Individual
RANGE	Current:	436-517km	369km	340km
2	New:	461-547km	391km	360km

<b>70</b>	AVILOO Box connected.	08:45:36
00	FLASH Test started.	<b>✓</b>
PROTOCOL	Vehicle detected.	~
	Starting data acquisition.	~
EXECUTION	Finished data acquisition.	~
CC	Analyzing data.	<b>✓</b>
XE	Analysis completed.	<b>✓</b>

Voltage Sensor	<b>✓</b>
Current Sensor	~
Temperature Sensors	~
Cell Voltage Sensors	<b>✓</b>

		Value	Status
	BMS State of Charge (SoC)*:	50%	
BMS	SoC calculation accuracy:		~
a	BMS State of Health (SoH)*:	94%	
	SoH calculation accuracy:		~

	Min	Max	Delta	Status
Battery Temperature	21.8°C	22.5°C	0.8°C	~
Cell Voltage	3.686V	3.693V	6mV	~
Pack Voltage	354.3V			
Average Current	-2.5A			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.689	3.691	3.691	3.691	3.692	3.692	3.690	3.690	3.690	3.693	3.691	3.692	3.692	3.692	3.691	3.690	3.689	3.692	3.691	3.691
21 - 40	3.692	3.692	3.692	3.687	3.689	3.692	3.691	3.691	3.691	3.691	3.691	3.690	3.689	3.692	3.691	3.691	3.686	3.691	3.691	3.691
41 - 60	3.690	3.692	3.690	3.691	3.691	3.691	3.690	3.689	3.690	3.692	3.691	3.691	3.691	3.692	3.691	3.690	3.689	3.692	3.690	3.692
61 - 80	3.691	3.692	3.690	3.690	3.690	3.692	3.691	3.692	3.691	3.690	3.690	3.690	3.691	3.691	3.691	3.691	3.692	3.691	3.691	3.691
81 - 96	3.690	3.692	3.691	3.691	3.692	3.692	3.692	3.691	3.690	3.692	3.690	3.691	3.691	3.692	3.691	3.691	/	/	/	/
_																				
MIN	3.686	3.687 3.	688 3.6	589 3.6	89 3.69	0 3.69	1 3.692	3.693	мах											

SENSORS

<sup>\*</sup>The values shown here were not calculated by AVILOO but correspond to the values read out from the battery management system (BMS) and were calculated by the manufacturer. AVILOO therefore assumes no liability for their accuracy.