INDEPENDENT

## BATTERY CERTIFICATE



CERTIFICATE NUMBER: 758C3A59-BD94-4A5C-9473-2B4B6B7DAD36

VEHICLE

RESULTS

**BRAND:** BMW

**WLTP RANGE** 

MODEL: 3 Series Plug-in Hybrid - 11,15

kWł

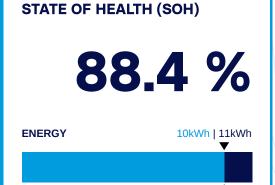
MILEAGE: 104,131 km

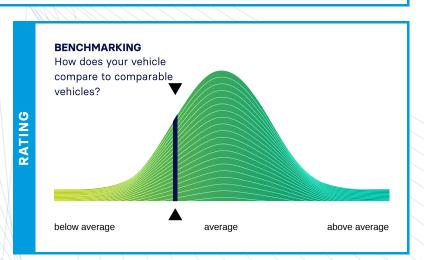
VIN: WBA5P51070FK79101

**DATE AND TIME:** 21.08.2025, 13:28:24

EXECUTED BY: 135024 - Bergwerff

Automotive B.V





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication

55km | 62km



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** 

~ ~				
ш	urrent:	11.3kWh	9.8kWh	9.8kWh
ENERGY C	New:	12.8kWh	11.1kWh	11.1kWh

	WLTP	Typical
Current:	43-55km	37km
New:	49-62km	42km

AVILOO Box connected.	13:28:20
FLASH Test started.	~
Vehicle detected.	~
Starting data acquisition.	~
Finished data acquisition.	<b>✓</b>

Voltage Sensor	~
Current Sensor	~
Temperature Sensors	~
Cell Voltage Sensors	

		Value	Status
	BMS State of Charge (SoC)*:	4%	
BMS	SoC calculation accuracy:		~
<b>—</b>	BMS State of Health (SoH)*:	89%	
	SoH calculation accuracy:		~

Min	Max	Delta	Statu
21.0°C	21.0°C	0.0°C	~
3.505V	3.515V	10mV	~
337.5V			
0.0A			
	21.0°C 3.505V 337.5V	21.0°C 21.0°C 3.505V 3.515V 337.5V	21.0°C 21.0°C 0.0°C 3.505V 3.515V 10mV 337.5V

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.515	3.515	3.512	3.513	3.509	3.514	3.514	3.515	3.514	3.514	3.514	3.512	3.514	3.515	3.513	3.509	3.512	3.512	3.512	3.510
21 - 40	3.512	3.514	3.511	3.514	3.513	3.512	3.511	3.514	3.513	3.510	3.514	3.512	3.509	3.512	3.512	3.514	3.512	3.513	3.509	3.511
41 - 60	3.512	3.511	3.514	3.512	3.512	3.512	3.513	3.509	3.505	3.509	3.507	3.508	3.507	3.509	3.509	3.507	3.509	3.506	3.507	3.508
61 - 80	3.505	3.508	3.511	3.508	3.509	3.513	3.508	3.508	3.508	3.509	3.509	3.509	3.509	3.509	3.509	3.508	3.511	3.509	3.509	3.513
81 - 96	3.508	3.511	3.509	3.509	3.508	3.509	3.509	3.508	3.509	3.509	3.510	3.509	3.508	3.509	3.509	3.508	/	/	/	/
MIN	3.505 3	.506 3.	507 3.5	509 3.5	10 3.51	.1 3.51	3 3.514	3.515	мах											

<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.