INDEPENDENT

## **BATTERY CERTIFICATE**



CERTIFICATE NUMBER: 8160B1E0-8FC8-4E29-B8CC-8DCE1C7459A0

VEHICLE

RESULTS

**BRAND:** Volvo

**WLTP RANGE** 

MODEL: XC40 Recharge - 69 kWh

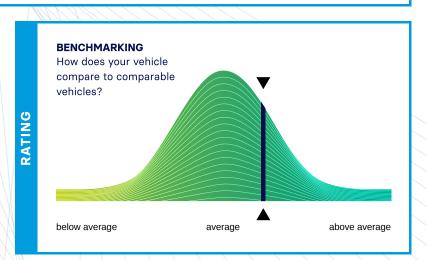
MILEAGE: 107,556 km

VIN: YV1XZEFVKN2755380

**DATE AND TIME:** 01.08.2025, 14:26:17

**EXECUTED BY:** Carla AB





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication



LUATION

## **EXCELLENT HEALTH - NO ABNORMALITIES DETECTED**

451km | 477km

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.

horas Reiser

Dr. Marcus Berger, CEO





**CELL VOLTAGES DIAGRAM** 

34		Gross	Net (Nominal)	Usable
ENERGY	Current:	65.3kWh	63.4kWh	60.8kWh
N N	New:	69.0kWh	67.0kWh	64.3kWh

Щ		WLTP	Typical	Individual
RANGE	Current:	400-451km	319km	280km
2	New:	423-477km	337km	296km

14:26:13
<b>✓</b>
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Voltage Sensor	~
Current Sensor	<b>~</b>
Temperature Sensors	<u> </u>
Cell Voltage Sensors	<u> </u>

		Value	Status
	BMS State of Charge (SoC)*:	74%	
BMS	SoC calculation accuracy:		<b>~</b>
Ω	BMS State of Health (SoH)*:	96%	
	SoH calculation accuracy:		<b>~</b>

	Min	Max	Delta	Status
Battery Temperature	19.0°C	20.2°C	1.2°C	~
Cell Voltage	4.014V	4.024V	10mV	~
Pack Voltage	385.8V			
Average Current	-3.2A			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	4.021	4.020	4.021	4.017	4.022	4.021	4.023	4.022	4.022	4.020	4.020	4.021	4.023	4.020	4.021	4.018	4.017	4.018	4.019	4.020
21 - 40	4.017	4.017	4.017	4.016	4.024	4.016	4.017	4.022	4.018	4.015	4.017	4.017	4.017	4.021	4.017	4.019	4.019	4.020	4.018	4.020
41 - 60	4.018	4.020	4.018	4.019	4.017	4.017	4.015	4.017	4.021	4.018	4.019	4.014	4.016	4.021	4.015	4.015	4.015	4.017	4.020	4.021
61 - 80	4.018	4.019	4.015	4.015	4.018	4.016	4.020	4.015	4.018	4.018	4.016	4.017	4.018	4.017	4.015	4.017	4.017	4.018	4.016	4.015
81 - 96	4.015	4.016	4.017	4.016	4.017	4.019	4.017	4.017	4.016	4.016	4.017	4.017	4.017	4.016	4.014	4.017	/	/	/	/
MIN 4.014 4.015 4.017 4.018 4.019 4.020 4.021 4.023 4.024 MAX  AVERAGE																				

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.