

# FLASH TEST REPORT

## Execution

State of charge 71.41 %  
Date 09/11/2023 09:46:34  
Executed by Carla AB

## Vehicle

Brand Tesla  
Model Model X  
VIN 5YJXCCE20LF226174  
Mileage 56,354 km

## Analysis Result

# AVILOO SCORE

**94**  
/ 100

**High voltage battery usage and history**  
Analysis of charging & driving behavior

**66** / 70

**High voltage battery performance**  
Analysis of cell voltages and module temperatures.

**28** / 30

**High voltage battery control unit**  
Check of signals and calculations of the battery management control unit.




**Vehicle communication interface**  
Check of communication via the diagnostic interface.



  
DI Wolfgang Berger MBA  
Managing director

  
DI Nikolaus Mayerhofer  
Managing director

  
Dr. Marcus Berger  
COO/CFO and Partner



# EXPLANATION OF THE BATTERY FLASH TEST

## ANALYSIS METHOD

The analysis performed is a combined result of: The communication quality between the diagnostic hardware AVILOO Box and the on-board diagnostic interface of the vehicle. The live battery data and data that indicates the previous use of the high voltage battery, which is made available to the AVILOO Box by the battery management system during the measurement. The plausibility check and classification of the battery condition using the collected values and a comparison with the AVILOO Battery Cloud using Big Data algorithms.

## FLASH TEST EXECUTION PROTOCOL

- 09:46:31 AVILOO Box connected.
- ✓ Flash Test started.
- ✓ Starting data acquisition.
- ✓ Vehicle detected.
- ✓ Finished data acquisition.
- ✓ Analyzing data.
- ✓ Analysis completed.

## DETAILED RESULTS OF PERFORMED CHECKS

### Vehicle Information

VIN	5YJXCCE20LF226174
Date	09/11/2023 09:46:34
Mileage	56,354 km

### Measurements High Voltage System

Battery temperature	9.43 °C
Maximum cell temperature deviation	1.71 °C
Pack voltage	379.14 V
Maximum cell voltage deviation	24.7 mV
Peak current during check	-22.46 A

