

# CERTIFICATE

The tested batteries mentioned below are in compliance with the requirements of

## UN Manual of Tests and Criteria - Section 38.3

(ST/SG/AC.10/11/Rev.6.1)

**Certificate/Test Report-No.:** TZ\_000173\_UN

**Art-No.:** 1592708

**Product Description:** 10S5P BMZ18650  
Akku neodrives Z20 - UR V8 10S  
ohne Montageset

**Customer Data:** Alber GmbH  
Vor dem Weißen Stein 21  
D-72461 Albstadt

**Date:** 06.12.2018

Step	Result
UN 38.3.4.1 Altitude simulation	pass
UN 38.3.4.2 Thermal test	pass
UN 38.3.4.3 Vibration	pass
UN 38.3.4.4 Shock	pass
UN 38.3.4.5 External short circuit	pass
UN 38.3.4.6 Impact / Crush	not required*
UN 38.3.4.7 Overcharge	pass
UN 38.3.4.8 Forced discharge	not required*

\* This test is not required for battery testing if it is already passed at the UN38.3 test of the built-in cell. The certificate is only valid with the associated Test Report.



Adrian Selke  
Head of Quality Assurance, Authorized  
Representative