

Lithium cells or batteries test summary according to UN38.3

Battery Manufacturer: Jauch Quartz GmbH In der Lache 24 D-78056 Villingen-Schwenningen Germany +49 7720 945-0 www.jauch.com , info@jauch.com	UN38.3 Test Lab: Vkan Certification & Testing Co., Ltd., No.3, Tiantaiyi Road, Guangzhou, China +8620 3229388 www.cvc.org.cn office@cvc.org.cn																																				
Description of cell or battery: Cell/battery type: ☒ Lithium metal ☐ Lithium-ion Cell or battery: ☒ cell ☐ battery Model name (lithium content): CR 1025* (0.008g) CR 1216* (0.008g) CR 1220* (0.012g) CR 1616* (0.025g) CR 1620* (0.03g) CR 1632* (0.038g) CR 2016* (0.025g) CR 2025* (0.048g) CR 2032* (0.065g) CR 2320* (0.045g) CR 2354* (0.155g) CR 2430* (0.08g) CR 2450* (0.165g) CR 2477* (0.29g) CR 3032* (0.17g) * Cell model numbers may be followed by an optional single or multiple alphanumeric and/or special characters which denote optional features such as various mounting tabs, connecting leads or plugs, packaging, insulating tube, ring and tape, etc. Voltage: 3.0V Capacity: 25mAh – 1000mAh Lithium content: 0.008g – 0.29g Weight of cell/battery: 0.6g – 8.7g	Test report-no.: RZUN2018-4152 Mar. 14, 2019 RZUN2018-4153 RZUN2018-4156 RZUN2018-4157 RZUN2018-4153 RZUN2018-4159 RZUN2018-4160 RZUN2018-4252 Jan. 08, 2019 RZUN2018-4253 Jan. 23, 2019																																				
List of tests (result: pass/fail): <table border="1"> <thead> <tr> <th>Test number</th> <th>Test item</th> <th>Result</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>Altitude</td> <td>pass</td> <td></td> </tr> <tr> <td>T-2</td> <td>Thermal cycling</td> <td>pass</td> <td></td> </tr> <tr> <td>T-3</td> <td>Vibration</td> <td>pass</td> <td></td> </tr> <tr> <td>T-4</td> <td>Shock</td> <td>pass</td> <td></td> </tr> <tr> <td>T-5</td> <td>External short circuit</td> <td>pass</td> <td></td> </tr> <tr> <td>T-6</td> <td>Impact /Crush</td> <td>pass</td> <td>for cell only</td> </tr> <tr> <td>T-7</td> <td>Overcharge</td> <td>N/A</td> <td></td> </tr> <tr> <td>T-8</td> <td>Forced Discharge</td> <td>pass</td> <td>for cell only</td> </tr> </tbody> </table>	Test number	Test item	Result	Remarks	T-1	Altitude	pass		T-2	Thermal cycling	pass		T-3	Vibration	pass		T-4	Shock	pass		T-5	External short circuit	pass		T-6	Impact /Crush	pass	for cell only	T-7	Overcharge	N/A		T-8	Forced Discharge	pass	for cell only	For air transportation only: State of charge ☐ max. 30% ☒ not applicable
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Test results in accordance with the UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Test and Criteria ST/SG/AC.10/11 Rev.6, Amend. 1, 38.3. Cell manufacturing as well as battery assembly is done under the quality assurance program of ISO9001. This document remains valid as long as no changes, modifications or additions are made to the model(s) described in this document. The model(s) has (have) been classified according to the applicable transport regulation and the UN Manual of Test and Criteria as of the date of the certification. The model(s) must be packed, labelled and documented according to country and other international regulations for transportation.

Name / Title of Signatory / Date Sönke Zacher / Head of Project Management Feb. 13, 2024