

Lithium cells or batteries test summary according to UN38.3

Battery Manufacturer: Jauch Quartz GmbH In der Lache24 D-78056 Villingen-Schwenningen Germany +49 7720 945-0 www.jauch.com , info@jauch.com	UN38.3 Test Lab: Shenzhen SEM.Test Technology Co., Ltd. Liuian'er Road, Block 70, Shenzhen, China +86 755 33663308 www.semtest.com.cn admin@semtest.com.cn																																				
Description of cell or battery: Cell/battery type: <input type="checkbox"/> Lithium metal <input checked="" type="checkbox"/> Lithium-ion Cell or battery: <input type="checkbox"/> cell <input checked="" type="checkbox"/> battery Model name: LI18650NH Emmerich 1s1p Part-no.: 233973 (Conrad Part-No. 251007) Voltage: 3.7V Capacity: 2200mAh Energy: 8.14Wh Lithium content: n/a Weight of cell/battery: 45g	Test report-no.: STRD1712175S Date of test report: Dec. 08, 2017																																				
List of tests (result: pass/fail): <table border="1" data-bbox="204 1137 1078 1429"> <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>pass</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	pass		T-8	Forced Discharge	pass	for cell only	For air transportation only: State of charge <input type="checkbox"/> max. 30% <input checked="" type="checkbox"/> 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, 38.3. Cell manufacturing as well as battery assembly is done under the quality assurance program of ISO9001:2008.

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 / Project Manager

Jan. 10, 2020