Lithium cells or batteries test summary according to UN38.3

Battery Manufacturer:				UN38.3 Test Lab:
Jauch Quartz GmbH				Vkan Certification &
In der Lache24				Testing Co., Ltd., No.3,
D-78056 Villingen-Schwenningen				Tiantaiyi Road,
Germany				Guangzhou, China
+49 7720 945-0				+8620 3229388
www.jauch.com, info@jauch.com				www.cvc.org.cn
				office@cvc.org.cn
Description of cell or battery:				Test report-no.:
Cell/battery type: ⊠ Lithium metal ☐ Lithium-ion				
Cell or battery: ⊠ cell □				RZUN2018-4152
battery				Mar. 14, 2019
Model name (lithium content):				D71110040 4450
CR 1025* (0.008g)				RZUN2018-4153
CR 1216* (0.008g) CR 1220* (0.012g)				RZUN2018-4156
CR 1220 (0.012g) CR 1616* (0.025g)				RZUN2018-4157
CR 1620* (0.023g)				RZUN2018-4153
CR 1632* (0.038g)				RZUN2018-4159
CR 2016* (0.025g)				RZUN2018-4160
CR 2025* (0.048g)				RZUN2018-4252
CR 2032* (0.065g) CR 2320* (0.045g)				Jan. 08, 2019
CR 2354* (0.155g)				,
CR 2430* (0.1339)				RZUN2018-4253
CR 2450* (0.165g)				Jan. 23, 2019
CR 2477* (0.29g)				Juli. 20, 2010
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				
				For air transportation
List of tests (result: pass/fail):			only:	
Test number	Test item	Result	Remarks	Olliy.
T-1	Altitude	pass		State of charge
T-2	Thermal cycling	pass		□ max. 30%
T-3	Vibration	pass		☐ Max. 60% ☐ ☑ not applicable
T-4	Shock	pass		
T-5	External short circuit	pass		4
T-6	Impact /Crush	pass	for cell only	4
T-7	Overcharge	N/A		11
T-8	Forced Discharge	pass	for cell only	

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

nt Feb. 13, 2024