

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

Description of cell or battery:

Cell/battery type: ☒ Lithium metal ☐ Lithium-ion
Cell or battery: ☒ cell ☐ battery

Model name:

CR (BR) 1225 CELLSIUS (1BL) Model N°: 213596
CR 1025 CELLSIUS (1BL) Model N°: 213593
CR 1216 CELLSIUS (1BL) Model N°: 213594
CR 1220 CELLSIUS (1BL) Model N°: 213595
CR 1612 CELLSIUS (1BL) Model N°: 213597
CR 1616 CELLSIUS (1BL) Model N°: 213598
CR 1620 CELLSIUS (1BL) Model N°: 213599
CR 1632 CELLSIUS (1BL) Model N°: 213600
CR 2012 CELLSIUS (1BL) Model N°: 213601
CR 2016 CELLSIUS (1BL) Model N°: 213602
CR 2025 CELLSIUS (1BL) Model N°: 213604
CR 2032 CELLSIUS (1BL) Model N°: 213605
CR 2320 CELLSIUS (1BL) Model N°: 213606
CR 2325 CELLSIUS (1BL) Model N°: 213607
CR 2330 CELLSIUS (1BL) Model N°: 213608
CR 2354 CELLSIUS (1BL) Model N°: 213609
CR 2412 CELLSIUS (1BL) Model N°: 213610
CR 2430 CELLSIUS (1BL) Model N°: 213611
CR 2450 CELLSIUS (1BL) Model N°: 213612
CR 2477 CELLSIUS (1BL) Model N°: 213613
CR 3032 CELLSIUS (1BAG) Model N°: 220087

Voltage: 3.0V

Capacity: 30mAh – 1000mAh

Energy: n/a

Lithium content: 0.08g – 0.290g

Weight of cell/battery: 0.7g – 8.7g

List of tests (result: pass/fail):

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

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

Test report-no.:

RZUN2018-4152 à Mar. 14, 2019 à CR 1216 CELLSIUS (1BL) Model N°: 213594
RZUN2018-4155 à Jan. 08, 2019 à CR 1616 CELLSIUS (1BL) Model N°: 213598
RZUN2018-4156 à Jan. 08, 2019 à CR 1620 CELLSIUS (1BL) Model N°: 213599
RZUN2018-4157 à Jan. 08, 2019 à CR 1632 CELLSIUS (1BL) Model N°: 213600
RZUN2018-4158 à Jan. 08, 2019 à CR 2016 CELLSIUS (1BL) Model N°: 213602
RZUN2018-4159 à Jan. 08, 2019 à CR 2025 CELLSIUS (1BL) Model N°: 213604
RZUN2018-4160 à Jan. 08, 2019 à CR 2032 CELLSIUS (1BL) Model N°: 213605
RZUN2018-4161 à Aug. 14, 2019 à CR 2320 CELLSIUS (1BL) Model N°: 213606
RZUN2018-4162 à Aug. 14, 2019 à CR 2325 CELLSIUS (1BL) Model N°: 213607
RZUN2018-4249 à Apr. 04, 2019 à CR 2330 CELLSIUS (1BL) Model N°: 213608
RZUN2018-4251 à Jan. 23, 2019 à CR 2430 CELLSIUS (1BL) Model N°: 213611
RZUN2018-4252 à Jan. 08, 2019 à CR 2450 CELLSIUS (1BL) Model N°: 213612
RZUN2018-4253 à Jan. 23, 2019 à CR 2477 CELLSIUS (1BL) Model N°: 213613

UN38.3 Test Lab:

Panasonic Corporation, 1-1 Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan
+81-6-6994-4560
<https://www.panasonic.com/global/home.html>
un38.3_microbattery@ml.jp.panasonic.com

Test report-no.:

2019-0000000195 à Aug. 05, 2008 à CR (BR) 1225 CELLSIUS (1BL) Model N°: 213596
2019-0000000581 à Jan. 13, 2011 à CR 1025 CELLSIUS (1BL) Model N°: 213593
2019-0000000603 à Sep. 12, 2008 à CR 1612 CELLSIUS (1BL) Model N°: 213597
2019-0000000605 à Sep. 12, 2008 à CR 2012 CELLSIUS (1BL) Model N°: 213601
2019-0000000575 à Sep. 01, 2008 à CR 2354 CELLSIUS (1BL) Model N°: 213609
2019-0000000580 à Nov. 26, 2018 à CR 2412 CELLSIUS (1BL) Model N°: 213610
2019-0000000606 à Jul. 23, 2008 à CR 3032 CELLSIUS (1BAG) Model N°: 220087

UN38.3 Test Lab:

SRICI Shanghai Research Institute of Chemical Industry, 345 Yunling E Rd, Putuo, Shanghai, China
+8121-52569800

<http://www.ghs.cn>

wyorama@gmail.com

Test report-no.:

1117110155 à Nov. 16, 2017 à CR 2012 CELLSIUS (1BL) Model N°: 213601

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 ISO9001:2008.

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

Nov. 04, 2019