

Product MELSEC-Q
Title Summary of UN Test
Abstract

This document is the Summary of UN Test for the products below.

Q7BATN/Q7BATN-SET : CR8LHC2-CN230S

*CR8LHC2-CN230S is a Lithium metal cells produced by FDK CORPORATION.

*Q7BATN

- Nominal voltage: 3V
- Nominal capacity: 6000mAh
- Physical description: Non-rechargeable, Cylindrical
- Product mass: 48g
- Lithium equivalent content: 1.8g

*Q7BATN-SET is a set product that includes Q7BATN and holder.

- Nominal voltage: 3V
- Nominal capacity: 6000mAh
- Physical description: Non-rechargeable, Cylindrical
- Product mass: 60g (battery mass: 48g)
- Lithium equivalent content: 1.8g

FA Systems Dept.1 MELSEC Technical Center



Certificate of UN Test for Lithium Metal Battery

Specifications			
Model : CR8LHC2-CN230S / Li-metal [Physical description : Prismatic]			
Nominal voltage	3V	Product mass	48g
Nominal capacity	6000mAh	Lithium equivalent content	1.8g

Manual of Tests and Criteria / Rev.6 Amendment 1 / 38.3 Lithium metal and lithium ion batteries					
Test report number : D-B-222-00 Date of test report : January 6, 2020					
No.	Test items	Test results	Note	Number of test cells	
T1	Altitude simulation	Pass		Undischarged 4 batteries	Fully discharged 4 batteries
T2	Thermal test	Pass			
T3	Vibration	Pass			
T4	Shock	Pass			
T5	External short circuit	Pass			
T6	Crush	Pass	Component cell	Undischarged 5 cells	Fully discharged 5 cells
T7	Overcharge	—		—	
T8	Forced discharge	Pass	Component cell	—	Fully discharged 10 cells
Battery assembly : Not Applicable					

Information		
Manufacturer / Seller	FDK CORPORATION Shinagawa Crystal Square Bldg., 1-6-41 Konan, Minato-ku, Tokyo 108-8212 Japan TEL: +81-3-5715-7400 E-mail: lithium_battery_info@fdk.co.jp Website: http://www.fdk.com/	
Test laboratory	FDK CORPORATION (Tottori Plant) 28 Ohta, Iwami-cho, Iwami-gun, Tottori, 681-0063, Japan TEL: +81-857-73-1771 E-mail: lithium_battery_info@fdk.co.jp Website: http://www.fdk.com/	

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