

Product MELSEC-Q

Title Summary of UN Test

Abstract

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

Q6BAT/Q8BAT/Q8BAT-SET: CR238L-CN159S

*CR238L-CN159S is a Lithium metal cell produced by FDK CORPORATION.

*Q6BAT

Nominal voltage: 3V

Nominal capacity: 1900mAh

· Physical description: Non-rechargeable, Cylindrical

Product mass: 17g

·Lithium equivalent content: 0.57g

*Q8BAT is an assembled battery with ten Q6BATs connected in parallel.

·Nominal voltage: 3V

Nominal capacity: 19000mAh

Product mass: 387g (battery mass: 170g)

·Lithium equivalent content: 5.7g

*Q8BAT-SET is a set product that includes Q8BAT and connection cable.

·Nominal voltage: 3V

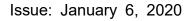
Nominal capacity: 19000mAh

Product mass: 429g (battery mass: 170g)

·Lithium equivalent content: 5.7g

FA Systems Dept.1 MELSEC Technical Center

MITSUBISHI ELECTRIC CORPORATION NAGOYA WORKS





Certificate of UN Test for Lithium Metal Cell

Specifications					
Model: CR2/3 8L-CN159S / Li-metal [Physical description: Cylindrical]					
Nominal voltage	3V	Product mass	17g		
Nominal capacity	1900mAh	Lithium equivalent content	0.57g		

Manual of Tests and Criteria / Rev.6 Amendment 1 / 38.3 Lithium metal and lithium ion batteries								
Test report number : D-C-504-16 Date of test report : January 6, 2020								
No.	Test items	Test results	Note	Number of test cells				
T1	Altitude simulation	Pass		Undischarged 10 cells	Fully discharged 10 cells			
T2	Thermal test	Pass						
Т3	Vibration	Pass						
T4	Shock	Pass						
T5	External short circuit	Pass						
T6	Crush	Pass		Undischarged 5 cells	Fully discharged 5 cells			
T7	Overcharge	_		-				
T8	Forced discharge	Pass		_	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/	1200009 112490			

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