

Product MELSEC-A
Title Summary of UN

Title Summary of UN Test for Q3MEM-BAT

Abstract

This document is the Summary of UN Test for Q3MEM-BAT (CR2450HR produced by Maxell, Ltd., Energy Division).

FA Systems Dept.1 MELSEC Technical Center

MITSUBISHI ELECTRIC CORPORATION NAGOYA WORKS

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LITHIUM CELLS OR BATTERIES TEST SUMMARY AND CERTIFICATION IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TESTS AND CRITERIA

В	ATTERY TRAI	NS	SPORTIC	ON INFORM	ATION				
Name of cell, battery or product manufacture, as applicable:			Cell, battery or product manufacturer's contact information to include address, phone						
Item Name Model name : CR2450HR		number, email address and website for more information:							
Normal voltage Rated capacity 550mAh Item Description Lithium-metal cell		Maxell, Ltd. 5 Takumidai, Ono-Shi, Hyogo, 675-1322 Japan Phone: (+81) 794-63-8054 e-mail: takashi-kimura@maxell.co.jp Web: http://www.maxell.co.jp							
Name of the test laboratory to include address, phone number, email address and website for more information Maxell, Ltd.			Test report identification number: C-1910-13					Date of the test report: October 15, 2019	
1 Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun, Kyoto, 618-8525 Japan Phone: (+81) 75-956-4148 email: masahiko-takai@maxell.co.jp Web: http://www.maxell.co.jp		Lis	List of test conducted and results(i.e. Pass/Fail)						
			Test number	Designation	Results	cell	Applicable Single cell battery	battery	
			T-1	Altitude	Pass	レ		V	
Description of cell or battery to include at a minimum: Lithium ion or Lithium metal cell or battery Mass; Watt-hour rating, or Lithium content, Physical description of the cell/battery; and Model Number Cell or battery Type : Cell Lithium content : 0.15g Cell or Battery Weight : 6.7g Physical description : Stainless steel			T-2	Thermal cycling	Pass	レ		V	
			T-3	Vibration	Pass	V		V	
			T-4	Shock	Pass	ν		V	
			T-5	External short circuit	Pass	V		L	
			T-6	Impact / Crush	Pass	V			
			T-7	Overcharge	Not applicable		ν	V	
			T-8	Forced Discharge	Pass	V			
Reference to assembled battery testing requirements, if applicable(i.e. 38.3.3 (f) and 38.3.3 (g)) Not applicable Reference to the revise Criteria used and to am Revision 6, Amendmen			idments theret		For air transport only: Does the cell or battery comply with the 30% State of Charge? Not applicable				
pp	101	DN FOR TRANSPORT(According to UN-DGP)							
UN Classification,	CESOT CLASSII ICATI		roper Sipping	•	, GIT-DOF)				
UN3090			Lithium Metal Batteries						
Signature with name and title of signatory as an indication of the validity information provided. Takashi Kimura / General Manager, Design Department Signature Phone: (+81) 794-63-8054			This document remains valid as long as no changes, modifications or additions are made to the model(s) described in this document, after being transported from a Manufacturer MAXELL, LTD. The model(s) has(have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification. The model(s) must be packaged, labeled and documented according to country and other international regulations for transportation.						
e-mail: takashi-kimura@maxell.co.jp									