

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

BATTERY TRANSPORTATION INFORMATION

Name of cell, battery or product manufacture, as applicable: Item Name Model name : CR2450R-TAB Internal cell : CR2450R Normal voltage 3V Rated capacity 500mAh Item Description Lithium metal cell / battery		Cell, battery or product manufacturer's contact information to include address, phone number, email address and website for more information: Maxell Sakura Co., Ltd. 1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi, Fukushima, 963-0531 JAPAN Phone: (+81) 794-63-8054 e-mail: md_tech_support@maxell.co.jp Web: https://www.maxell.co.jp																												
Name of the test laboratory to include address, phone number, email address and website for more information Tohoku Murata Manufacturing Co., Ltd. 1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi, Fukushima, 963-0531 Japan Phone: (+81) 24-955-7854 e-mail: tmm-qa-compliance@murata.com Web: https://www.murata.com/en-global/group/tohokumurata		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Test report identification number: UN38.3-CR2450R-TAB REV</td> <td style="width: 60%;">Date of the test report: May 16, 2023</td> </tr> </table>		Test report identification number: UN38.3-CR2450R-TAB REV	Date of the test report: May 16, 2023																									
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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 / battery Type : Lithium metal Cell or Battery : Cell (Single cell battery) Lithium content : 0.145g Cell or Battery Weight : 6.4g Physical description : Cylindrical type		List of test conducted and results(i.e. Pass/Fail) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Test number</th> <th style="width: 45%;">Designation</th> <th style="width: 40%;">Results</th> </tr> </thead> <tbody> <tr><td>T-1</td><td>Altitude Simulation</td><td>Pass</td></tr> <tr><td>T-2</td><td>Thermal Test</td><td>Pass</td></tr> <tr><td>T-3</td><td>Vibration</td><td>Pass</td></tr> <tr><td>T-4</td><td>Shock</td><td>Pass</td></tr> <tr><td>T-5</td><td>External short circuit</td><td>Pass</td></tr> <tr><td>T-6</td><td>Impact / Crush</td><td>Pass</td></tr> <tr><td>T-7</td><td>Overcharge *</td><td>Not applicable</td></tr> <tr><td>T-8</td><td>Forced Discharge</td><td>Pass</td></tr> </tbody> </table> * Only secondary battery with protection element		Test number	Designation	Results	T-1	Altitude Simulation	Pass	T-2	Thermal Test	Pass	T-3	Vibration	Pass	T-4	Shock	Pass	T-5	External short circuit	Pass	T-6	Impact / Crush	Pass	T-7	Overcharge *	Not applicable	T-8	Forced Discharge	Pass
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Reference to assembled battery testing requirements, if applicable(i.e. 38.3.3 (f) and 38.3.3 (g)) Not applicable	Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any: Revision 6, Amendment 1	For air transport only: Does the cell or battery comply with the 30% State of Charge? Not applicable																												
PRODUCT CLASSIFICATION FOR TRANSPORT(According to UN-DGP)																														
UN Classification, UN3090		Proper Shipping Name: Lithium Metal Batteries																												
Signature with name and title of signatory as an indication of the validity information provided. Keisuke Kawabe / Senior Manager, Engineering Department Signature  Phone: (+81) 794-63-8054 e-mail: md_tech_support@maxell.co.jp		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.																												
Date document was generated March 1, 2026																														