

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

## BATTERY TRANSPORTION INFORMATION

| Name of cell, battery or product manufacture, as applicable:<br><br>Item Name <b>Model name : CR2430</b><br><br>Normal voltage <b>3V</b><br>Rated capacity <b>300mAh</b><br><br>Item Description <b>Lithium metal cell / battery</b>                                                                                                                                                                                                |                                                                                                                                | Cell, battery or product manufacturer's contact information to include address, phone number, email address and website for more information:<br><br>Maxell Sakura Co., Ltd.<br>1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi,<br>Fukushima, 963-0531 JAPAN<br>Phone: (+81) 794-63-8054<br>e-mail: md_tech_support@maxell.co.jp<br>Web: https://www.maxell.co.jp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
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| Name of the test laboratory to include address, phone number, email address and website for more information<br><br>Tohoku Murata Manufacturing Co., Ltd.<br>1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi,<br>Fukushima, 963-0531 Japan<br>Phone: (+81) 24-955-7854<br>e-mail: tmm-qa-compliance@murata.com<br>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:<br/>UN38.3-CR2430(ID)REV</td> <td style="width: 60%;">Date of the test report:<br/>June 20, 2023</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Test report identification number:<br>UN38.3-CR2430(ID)REV | Date of the test report:<br>June 20, 2023 |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
| Test report identification number:<br>UN38.3-CR2430(ID)REV                                                                                                                                                                                                                                                                                                                                                                          | Date of the test report:<br>June 20, 2023                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
| 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<br><br>Cell / battery Type : <b>Lithium metal</b><br><br>Cell or Battery : <b>Cell</b><br><br>Lithium content : <b>0.09g</b><br><br>Cell or Battery Weight : <b>4.4g</b><br><br>Physical description : <b>Coin type</b> |                                                                                                                                | List of test conducted and results(i.e. Pass/Fail)<br><br><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> <p style="text-align: center;">* Only secondary battery with protection element</p> |  | 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 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
| Reference to assembled battery testing requirements, if applicable(i.e. 38.3.3 (f) and 38.3.3 (g))<br><br>Not applicable                                                                                                                                                                                                                                                                                                            | Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any:<br><br>Revision 7 | For air transport only: Does the cell or battery comply with the 30% State of Charge?<br><br>Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
| <b>PRODUCT CLASSIFICATION FOR TRANSPORT(According to UN-DGP)</b>                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
| UN Classification,<br><br><b>UN3090</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                | Proper Shipping Name:<br><br><b>Lithium Metal Batteries</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |
| Signature with name and title of signatory as an indication of the validity information provided.<br><br>Keisuke Kawabe / Senior Manager, Engineering Department<br>Signature<br><br><br>Phone: (+81) 794-63-8054<br>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<br>March 1, 2026                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                            |                                           |         |     |                     |      |     |              |      |     |           |      |     |       |      |     |                        |      |     |                |      |     |              |                |     |                  |      |