


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

<p>Name of cell, battery or product manufacturer, as applicable: Item Number US3978A4H5K Item Name US3978A4H5K Item Description Lithium Ion Battery Cell</p>	<p>Cell, battery or product manufacturer's contact information to include address, phone number, email address and website for more information: Murata Energy Device Wuxi Co., Ltd. No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website : https://www.murata.com/en-global/group/tohokumurata</p>																																	
<p>Name of the test laboratory to include address, phone number, email address and website for more information: Murata Energy Device Wuxi Co., Ltd. No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website https://www.murata.com/en-global/group/tohokumurata</p>	<p>A unique test report identification number: MDW-CB1830</p>	<p>Date of the test report: 29-Oct-18</p>																																
<p>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 Cell/battery Type : Lithium Ion Cell or Battery : Cell Cell or Battery Weight : 80 Grams LC or W/h rating : 17.94 Wh Physical description :Lithium Ion Polymer Rechargeable Cells</p>	<p>List of tests conducted and results (i.e., pass/fail):</p> <table border="0"> <tr><td>Test T.1:</td><td>Altitude Simulation</td><td>:</td><td>Pass</td></tr> <tr><td>Test T.2:</td><td>Thermal Test</td><td>:</td><td>Pass</td></tr> <tr><td>Test T.3:</td><td>Vibration</td><td>:</td><td>Pass</td></tr> <tr><td>Test T.4:</td><td>Shock</td><td>:</td><td>Pass</td></tr> <tr><td>Test T.5:</td><td>External short circuit</td><td>:</td><td>Pass</td></tr> <tr><td>Test T.6:</td><td>Crush</td><td>:</td><td>Pass</td></tr> <tr><td>Test T.7:</td><td>Overcharge</td><td>:</td><td>Not applicable</td></tr> <tr><td>Test T.8:</td><td>Forced discharge</td><td>:</td><td>Pass</td></tr> </table> <p>Testing additional comments:</p>		Test T.1:	Altitude Simulation	:	Pass	Test T.2:	Thermal Test	:	Pass	Test T.3:	Vibration	:	Pass	Test T.4:	Shock	:	Pass	Test T.5:	External short circuit	:	Pass	Test T.6:	Crush	:	Pass	Test T.7:	Overcharge	:	Not applicable	Test T.8:	Forced discharge	:	Pass
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<p>Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3;(f) and 38.3.3;(g): Not Applicable</p>	<p>Reference to the revised edition of the Manual of Test and Criteria used and to amendments thereto, if any: Revision 6</p>																																	

PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP)

<p>UN Classification: UN3480</p>	<p>Proper Shipping Name: Lithium Ion Battery</p>
<p>Signature with name and title of signatory as an indication of the validity of information provided: Vivian Tang Product Compliance Manager </p>	<p>This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., 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 packed, labeled, and documented according to country and other international regulations for transportation.</p>
<p>Date document was generated: 25-Aug-20</p>	