

UN 38.3 Test Summary Report

[a] Name of cell, battery or product manufacturer, as applicable Item Number : PT-2100 Item Name : Cell Item Description : 3.6V / 2.4Ah Same Type Part - STD : Standard(with no terminal) - Terminal type · Tab : -T(T1) · Pins : -P(T2) · Pin Tabs : -PT(T3) · Axial : -A(AX) · Connector : -S(C&W)	[b] Cell, battery, or product manufacturer's contact information to include address, phone number, email address and website for more information; Xenoenergy Co., Ltd. 70-7, Muha-ro, Hwaseong-city, Kyounggi-do Republic of Korea, 18729 Tel : +82 31 355 3511 E-mail : global@xenoenergy.com Website : www.xenoenergy.com																	
[c] Name of the test laboratory to include address, phone number, email address and website for more information; Xenoenergy Co., Ltd. 70-7, Muha-ro, Hwaseong-city, Kyounggi-do Republic of Korea, 18729 Tel : +82 31 355 3511 E-mail : R&D@xenoenergy.com Website :www.xenoenergy.com	[d] A unique test report identification number; Xeno Q110408	[e]Date of test report; April. 08, 2011																
[f] 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 numbers. Cell used in implantable medical devices, such as : Pacemaker(IPG),Neuro-Stimulators or Implantable Defibrillators(ICD) (i) Lithium metal (ii) Mass : max. 20g (iii) Lithium content : 0.7g (iv) ELC or W/h rating : 3.6V / 2.4Ah (v) Model number: PT-2100	[g] List of tests conducted and results (i.e., pass/fail); <table border="0"> <tr> <td>☒ Test T.1 : Altitude simulation</td> <td>T1 Test Pass</td> </tr> <tr> <td>☒ Test T.2 : Thermal test</td> <td>T2 Test Pass</td> </tr> <tr> <td>☒ Test T.3 : Vibration</td> <td>T3 Test Pass</td> </tr> <tr> <td>☒ Test T.4 : Shock</td> <td>T4 Test Pass</td> </tr> <tr> <td>☒ Test T.5 : External short circuit</td> <td>T5 Test Pass</td> </tr> <tr> <td>☒ Test T.6 : Impact/Crush(cell only test)</td> <td>T6 Test Pass</td> </tr> <tr> <td>☒ Test T.7 : Overcharge(N.A for Li-metal only)</td> <td>Not Applicable</td> </tr> <tr> <td>☒ Test T.8 : Forced discharge(cell only test)</td> <td>T8 Test Pass</td> </tr> </table> Testing additional comments : No additional information		☒ Test T.1 : Altitude simulation	T1 Test Pass	☒ Test T.2 : Thermal test	T2 Test Pass	☒ Test T.3 : Vibration	T3 Test Pass	☒ Test T.4 : Shock	T4 Test Pass	☒ Test T.5 : External short circuit	T5 Test Pass	☒ Test T.6 : Impact/Crush(cell only test)	T6 Test Pass	☒ Test T.7 : Overcharge(N.A for Li-metal only)	Not Applicable	☒ Test T.8 : Forced discharge(cell only test)	T8 Test Pass
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[h] Reference to assembled battery testing requirements, if applicable (i.e. 38.3.3 (f) and 38.3.3 (g)); Not Applicable.	[i] Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any; UN Manual of Tests and Criteria, Part III, sub-section 38.3. <i>sixth revised edition</i>																	
[j] Signature with name and title of signatory as an indication of the validity of information provided. Assistant Managing Director Director of R&D Center JR Kim 	Date this document was generated. Oct. 21, 2019																	