

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

**Product Manufacturer**

Apple Inc.  
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Signatory validating completeness of the information contained in this summary:

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Apple Inc.'s product lithium ion cells and batteries have been successfully tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3.

PERFORMED TESTS	TESTS COMPLETED	RESULTS
38.3.4.1	T1- Altitude Simulation	Pass
38.3.4.2	T2- Thermal Test	Pass
38.3.4.3	T3- Vibration	Pass
38.3.4.4	T4 - Shock	Pass
38.3.4.5	T5- External Short Circuit	Pass
38.3.4.6	T6 - Impact / Crush	Pass*
38.3.4.7	T7 - Overcharge	Pass
38.3.4.8	T8 - Forced Discharge	Pass*

\* Applicable only to cells.

The UN38.3 tests were performed by one of the following Battery manufacturers/Test Houses and were tested to UN Manual Test and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

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<p><b>Desay</b> MCM 1/F, Road No. 13, Shiguang Road Guangzhou Panyu District GuangDong Province CHINA 511400 T: 34777630 <a href="mailto:hanwei_pow@desay.com">hanwei_pow@desay.com</a> U: <a href="http://www.mcmtek.com">www.mcmtek.com</a></p>	<p><b>Sunwoda</b> Shenzhen Precise Testing Technology Co., LTD F1 &amp; F2 Building 1 &amp; Office building, No. 9 Reservoir Road Tanhwei Community Gongming Street, Guangming New District Shenzhen City CHINA 518000 T: 0755-23084910 <a href="mailto:shezhuyong@sunwoda.com">shezhuyong@sunwoda.com</a> U: <a href="http://www.ptl-global.com">www.ptl-global.com</a></p>
<p><b>Simplo</b> Simplo Changshu No.888 Dongnan Avenue Changshu New &amp; Hi-Tech Industrial Development Zone Jiangsu CHINA 215500 T: +86-512-52302255 <a href="mailto:Cooper_Wu@simplo.com.cn">Cooper_Wu@simplo.com.cn</a> U: <a href="http://www.simplo.com.tw/">www.simplo.com.tw/</a></p>	<p><b>Dynapack</b> Dynapack Electronic Technology (Suzhou) Co., Ltd No.8 Hua-Gang Road Wujiang Economical and Technological Development Zone Suzhou City, Jiangsu CHINA 215200 <a href="mailto:June.Liu@dynapack.com.cn">June.Liu@dynapack.com.cn</a> T: 0086-05126340868 U: <a href="http://www.dynapack.com.tw">www.dynapack.com.tw</a></p>

Battery test summaries are only to be used for the purpose of complying with sub-section 38.3 of the UN Manual of Tests and Criteria and related regulations. The test summary information should not be posted publicly, and should not be disclosed to any third party for any other purpose.

Sub-section 38.3 requires manufacturers and distributors to make battery test summaries available to requesting parties in the supply chain for cells, batteries, and incorporating products, but does not require test summaries to be provided or included with shipments. Local laws and regulations in various regions may include additional or different requirements.

The following table provides Apple Product Test Summary Data

Model Number	Description	Battery Type	Battery Description	Battery Model #	Battery Weight - Mass (g)	WH Rating	Test Report #	Test Report Date	UN Revision & Amendment
A2133	iPad Mini 5	Li-ion	Pouch	616-00543 (A2114)	96.5	19.32	S18-B1137-1	2018-11-28	Rev. 6