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

Product Manufacturer

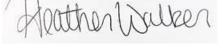
Apple Inc.

One Apple Park Way Cupertino, CA 95014 USA

Signatory validating completeness of the information contained in this summary:

Name: Heather Walker Telephone: 703-253-4182

Email: apple.beats.BatteryCompliance@chemtrec.com Title: Manager CHEMTREC CRITERION Service



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.

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The UN38.3 tests were performed by one of the following Battery manufacturers/Test Houses.

D	es	ay

MCM

1/F, Road No. 13, Shiguang Road Guangzhou Panyu District GuangDong Province CHINA-511400 T: 34777630

E:<u>hanwei_pow@desay.com</u> U: www.mcmtek.com

Simplo

Simplo Changshu No.888 Dongnan Avenue Changshu New & Hi-Tech Industrial Development Zone, Jiangsu

CHINA - 215500 T: +86-512-52302255

E:Cooper_Wu@simplo.com.cn U:

www.simplo.com.tw/

Salcomp:

Salcomp Industrial Electronica da Amazonia Ltda Av. dos Oitis, 4145 Distrito Industrial II Manaus AM BRAZIL - 69075-842 E:mark.Zhang@salcomp.com

AEC:

No.8, Jinghu Road OF Xinya Street Huadu District, Guangzhou City, Guangdong Province P.R.CHINA-510806

LG Chem:

NO 17 Hengyi Rd Nanjing Economical & Technical Development zone CHINA - 210038 E: lgcnt@lgchem.com

VARTA:

VARTA-Platz 1 73479 Ellwangen Germany - 73479

Sunwoda

Shenzhen Precise Testing Technology Co., LTD F1 & F2 Building 1 & Office building, No. 9 Resevoir Road, Tanhwei Community
Gongming Street, Guangming New District
Shenzhen City

Shenzhen City CHINA - 518000 T: 0755-23084910

E:<u>shezhiyong@sunwoda.com</u> U:

www.ptl-global.com

Dynapack

Dynapack Electronic Technology (Suzhou) Co., Ltd No.8 Hua-Gang Road

WuJiang Economical and Technological Development Zone, Suszhou City, Jiangsu

CHINA - 215200 T: 0086-05126340868

E:<u>June.Liu@dynapack.com.cn</u> U: www.dynapack.com.tw

NVT:

Dongguan NVT Technology Co., Ltd. No. 8, Xingguo Middle Road, Jiaoshe Village, Dongkeng Town Dongguan City CHINA - 523445

Goertek, Inc:

No.8877 Yingqian Street,High-Tech Industrial Development District, Weifang Shandong CHINA-261031 E:mathew.li@goertek.com

Tymphany:

300 Tampines Avenue 5 #05-01 SINGAPORE - 529653

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Battery test summaries are only to be used for the purpose of complying with subsection 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 In Volts	Test Report #	Test Report Date	UN Revision & Amendment
A1603	6D_L02	Li-ion Battery	Pouch	A1612	4.031	0.329	AP-CU-15-06-014	2015-06-25	Rev.5