

Battery Pack Test Report ***(Package Drop & UN38.3)***

Customer: Lenovo

Pack Model: L17C3P53

Nominal voltage: 11.1V

Nominal capacity: 4120mAh/ 45Wh

Configuration: 3S1P

Customer P/N: SB10K97627

Celxpert P/N: 921300148

Cell Type: Coslight CA595490 4120mAh

Dec 04 . 2017

Approved by _____
Reviewed by _____
Prepared by _____





UN38.3 试验概要 UN38.3 Test Summary



811900700503029

单位信息 Company information

委托单位 Consignor	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路 1111 号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw
生产单位 Manufacturer	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路 1111 号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw
测试单位 Test lab	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路 1111 号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw

电池信息 Battery information

名称 Name	Lenovo 二次锂电池组/锂电池/ 锂离子电池/锂离子电池组/充 电电池/锂电池组/可充电式锂 离子电池组 Lenovo Rechargeable Li-ion battery	品牌 Brand	Lenovo
型号 Type	L17C3P53	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	11.1	容量 Capacity	45Wh
描述 Description	可充电锂离子电池组 Rechargeable Li-ion battery	锂含量(g) Li content	/
质量(kg) Mass	0.214	外观 Appearance	黑色塑胶及塑料薄膜外壳 black plastics cement and plastics film shell

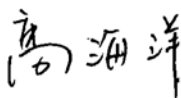
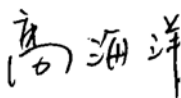
测试信息 Test information

原报告编号 Original test report No.	CPK-QA-Lab-UN383PACK17 031	测试报告日期 Date of test report	2017-12-04
测试标准 Test standard	联合国《关于危险货物运输的建议书 试验和标准手册》第 38.3 章 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria 38.3 ST/SG/AC.10/11/Rev.6/Amend.1		
T.1 高度模拟 Altitude simulation	合格 Passed	T.2 温度测试 Thermal test	合格 Passed
T.3 振动测试 Vibration	合格 Passed	T.4 冲击测试 Shock	合格 Passed
T.5 外部短路 External short circuit	合格 Passed	T.6 挤压 Crush	合格 Passed
T.7 过度充电 Overcharge	合格 Passed	T.8 强制放电 Forced discharge	合格 Passed
38.3.3 (f)	/	38.3.3 (g)	/



1.UN38.3 Lithium Battery Test Summary

Edition of UN Manual of Tests and Criteria Used#		ST/SG/AC.10/11/Rev.5 Amend.1&2	
Customer	Lenovo	Sample type	Pack 16pcs/Cell 30pcs
Model Name	L17C3P53	Pack Configuration	3S1P
Rating	11.1V/4120mAh/ 45Wh	Battery weight	214.41g
Cell Factory/Model	Coslight CA595490 4120mAh	Physical Description	Polymer
Factory Address	Hi-Tech Industrial Park, 1111 Hanpu Rd, Kun Shan, Jiangsu 215316, China	Laboratory Address	Hi-Tech Industrial Park, 1111 Hanpu Rd, Kun Shan, Jiangsu 215316, China
Factory Name	Celxpert (kunshan) Energy,Ltd	Laboratory Name	CPK LAB
Factory Tel	+86-512-57775999	Laboratory Tel	+86-512-57775999
Factory E-mail	Frank_Gao@cn.celxpert.com	Lab E-mail	Frank_Gao@cn.celxpert.com
Factory Web	www.celxpert.com.tw	Laboratory Web	www.celxpert.com.tw
Client Date	2017-05-31#	Completing Data	2017-06-20#
Item	Test Item	Test Result(Pass/Fail)	
38.3.4.1 T1	Altitude simulation	Pass	
38.3.4.1 T2	Thermal	Pass	
38.3.4.1 T3	Vibration	Pass	
38.3.4.1 T4	Shock	Pass	
38.3.4.1 T5	External Short Circuit	Pass	
38.3.4.1 T6	Impact/Crush	Pass	
38.3.4.1 T7	Overcharge	Pass	
38.3.4.1 T8	Forced Discharge	Pass	

Approved By	Checked By	Prepared By
		
Section manager	Section manager	Engineer