

# Celxpert Energy(KunShan)Corporation

## *Battery Pack*

### *UN38.3 Test Report*

Customer:	Lenovo
Model:	L19C4P70
Rating:	7.72V
Capacity:	Rated:6345mAh/49Wh
	Typical:6480mAh/50Wh
Issue Date:	Aug.21.2019







# UN38.3 试验概要

## UN38.3 Test Summary



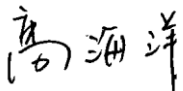
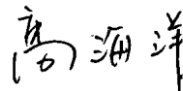

单位信息 Company information			
委托单位 Consignor	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路 1111 号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw		
生产单位 Manufacturer	加百裕(昆山)电子有限公司 Celxpert (Kunshan) 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 二次鋰電池組/鋰電池/ 鋰離子電池/鋰離子電池組/充 電電池/鋰電池組/可充電式鋰 離子電池組 Lenovo Rechargeable Li-ion Battery	品牌 Brand	Lenovo
型号 Type	L19C4P70	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	7.72	容量/能量 Capacity/energy	Typical Capacity:6480mAh 50Wh/Rated Capacity:6345mAh 49Wh
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	0.189	外观 Appearance	银色铝塑外壳 Silvery aluminum-plastics shell
测试信息 Test information			
原报告编号 Original test report No.	CPK-Lab-UN383PACK19030- A-R1	测试报告日期 Date of test report	2019-08-21
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		
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		<b>ST/SG/AC.10/11/Rev.6/Amend.1</b>	
Customer	Lenovo	Sample type	Rechargeable Li-Polymer Battery
Model Name	L19C4P70	Pack Configuration	2S2P
Rating	7.72V/Rated: 6480mAh/50Wh Typical: 6345mAh/49Wh	Battery weight	188.02g
Cell Factory/Model	ATL GC-SDC-454588-010H/L3110mA GC-SDC-454792-010H/L 3370mAh	Physical Description	Prismatic
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	2019-07-29	Completing Data	2019-08-15
<b>Item</b>	<b>Test Item</b>	<b>Test Result(Pass/Fail)</b>	
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