

Celxpert Energy(KunShan)Corporation

Battery Pack

UN38.3 Test Report

Customer:	Lenovo
Model:	L19C4P71
Rating:	15.36V
Capacity:	Rated:5080mAh/78Wh
	Typical:5235mAh/80Wh
Issue Date:	Oct.28.2019





UN38.3 试验概要 UN38.3 Test Summary



812000700749390

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	L19C4P71	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	5.36	容量/能量 Capacity/energy	Typical:80Wh,5235mAh/Rat ed:78Wh,5080mAh
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	0.318	外观 Appearance	黑色塑胶及塑料薄膜外壳 Black plastics cement and plastics film shell

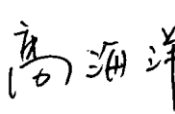
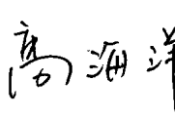
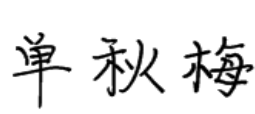
测试信息 Test information

原报告编号 Original test report No.	CPK-Lab-UN383PACK19050-A1	测试报告日期 Date of test report	2019-10-28
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.6/Amend.1	
Customer	Lenovo	Sample type	Rechargeable Li-ion Battery
Model Name	L19C4P71	Pack Configuration	4S1P
Rating	15.36V / Rated:5080mAh/78Wh Typical:5235mAh/80Wh	Battery weight	317.26g
Cell Factory/Model	BYD CSL3367E1 5080mAh	Physical Description	Prismatic
Factory Address	NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China	Laboratory Address	NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China
Factory Name	Celxpert (kunshan) Enengy.,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	2019/10/07	Completing Data	2019/10/25
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	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