

UN38.3 Test Report

UN38.3 测试报告

Sample name : Li-ion Battery

物品名称 : 锂离子电池

Model :

ELB500 Li-Ion Battery

型号 :

Applicant :

Elinchrom SA

申请商 :

深圳立讯检测股份有限公司

Shenzhen LCS Compliance Testing Laboratory Ltd.

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Report reference No 报告号.....	LCS180105021ASA	
Tested by (+ signature) 测试(签名)	Smart shi 施磊	
Checked by (+ signature) 审核(签名)	Linda Liang 梁彩玲	
Approved by (+ signature) 批准(签名)	Jim Deng 邓兴勇	
Contents..... 页数.....	17 pages	
Date of issue 签发日期.....	2018.01.11	
Testing Laboratory Name 测试实验室.....	Shenzhen LCS Compliance Testing Laboratory Ltd. 深圳立讯检测股份有限公司	
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Applicant's Name 申请商.....	Elinchrom SA	
Address 地址.....	Avenue de Longemalle 11-1020 Renens (VD) - Switzerland	
Manufacturer 制造商.....	Elinchrom SA	
Address 地址.....	Avenue de Longemalle 11-1020 Renens (VD) - Switzerland	
Standard 标准.....	Section 38.3 of the sixth Revised Edition of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.6 Section 38.3) 联合国《关于危险品货物运输的建议书试验和标准手册》第六修订版第38.3节	
Test item description 测试项目描述.....	Li-ion Battery 锂离子电池	
Trade Mark 商标.....	Elinchrom	
Model/type reference 型号/引用型号.....	ELB500 Li-Ion Battery	
Ratings..... 额定值.....	14.4V, 5000mAh, 72Wh	

Classification.....:	Li-ion Battery		
类别.....:	锂离子电池		
Type of Sample.....:	Prismatic		
样品形状.....:	棱形		
Details information of the battery and the cell built in the battery, as following: 电池和电芯的详细信息见下表:			
	Product 产品	Cell 电芯	Battery 电池
	Model 型号	INR18650-25R	ELB500 Li-Ion Battery
	Nominal voltage 标称电压	3.6V	14.4V
	Rated capacity 额定容量	2500mAh	5000mAh
	Charge method 充电方法	1250mA CC(constant current) charge to 4.2V, then CV (constant voltage 4.2 V) charge till charge current decline to100mA. 以1250mA恒流充电至4.2V, 然后 4.2V恒压充电至电流小于等于 100mA。	2500mA CC(constant current) charge to 16.8V, then CV (constant voltage 16.8V) charge till charge current decline to100mA. 以2500mA恒流充电至16.8V, 然 后16.8V恒压充电至电流小于等于 100mA。
	Max. Discharging Current 最大放电电流	20000mA	20000mA
	Max. Charging voltage 充电终止电压	4.2V	16.8V
	End of discharge voltage 放电终止电压	2.5V	10.0V
	Cell numbers 电芯个数	8PCS (4S2P)	
	Dimension 尺寸	Φ 18.3*65.1(mm)	162.3*93.0*53.2(mm)
	Weight 重量	45.5g	720.6g
Possible test case verdicts: 报告中可能用到的结论标识:			
Test case does not apply to the test object.....:	N/A 不适用		
Test item does meet the requirement 测试项目符合标准的要求.....:	P(ass) 合格		
Test item does not meet the requirement	F(ail) 不合格		
Testing: 测试:			

Date of sample received.....: 样品接收日期.....:	2017.06.02
Date(s) of performance of test.....: 测试执行日期.....:	2017.06.02~2017.06.14

Version 版本	Report No. 报告编号	Revision Data 修订数据	Summary 概要
V1.0	LCS180105021ASA	/	Original Version 原始版本

Test conclusion:
检验结论:

The Li-ion Battery submitted by Elinchrom SA are tested according to Section 38.3 of the Sixth Revised Edition of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria(ST/SG/AC.10/11/Rev.6 Section 38.3).
由 Elinchrom SA 送检的锂离子电池, 依据联合国《关于危险品货物运输的建议书试验和标准手册》第六修订版第 38.3 节进行检测。

Test result: Pass
检验结果: 通过

Test report Ref. No. LCS180105021ASA, dated 2018.01.11 is based on the the original test report Ref. No. LCS170602018AS 001, dated 2017.06.19.

此报告LCS180105021ASA（签发日期：2018.01.11）是基于原报告LCS170602018AS 001（签发日期：2017.06.19）进行报备。

I、CONCLUSION 结论

Item 项目	Sample Number 样品号	Standard 标准	Conclusion 结论
Altitude simulation 高空模拟	B01-B08	Section 38.3 of the Sixth Revised Edition of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.6 Section 38.3)	PASS 合格
Thermal test 耐热测试			PASS 合格
Vibration 振动测试			PASS 合格
Shock 冲击测试			PASS 合格
External short circuit 外部短路			PASS 合格
Crush/ Impact 挤压/撞击	C01-C05	联合国《关于危险品货物运输的建议书试验和标准手册》第六修订版第38.3 节	PASS 合格
Overcharge 过充电测试	B09-B16		PASS 合格
Forced discharge 强制放电测试	C06-C25		PASS 合格