

TEST REPORT

检 测 报 告

Classification of Test:

Report No.: 报告编号:	CMC240221002
Name of Sample: 产品名称:	Rechargeable Li-ion Cell 可充电锂离子电芯
Model: 型号:	BL1500F6040521S1PCELL
Classification of Test:	Commission Test

CMC Testing International (Shenzhen) Co., Ltd.
众检检验认证（深圳）有限公司

Sample description and instructions 样品描述及说明

1. Test items according to customer requirements:

根据客户要求测试项目:

External short circuit test of cell

电池外部短路测试

2. Models and specifications of tested samples:

受检样品型号及规格:

Model 型号	Rated capacity 额定容量	Nominal voltage 标称电压	Nominal Charge Current 标准充电电流	Nominal Discharge Current 标准放电电流	Maximum Charge Current 最大充电电流	Maximum Discharge Current 最大放电电流	Maximum Charge Voltage 最大充电电压	End Discharge Voltage 放电结束电压
BL1500F60405 21S1PCELL	1500mAh	3.7V	300mA	300mA	1500mA	1500mA	4.2V	3.0V

3. Test environmental conditions:

检测环境条件:

Ambient temperature: 20±5°C, Ambient humidity: 50%-70%

环境温度: 20±5°C, 环境湿度: 50%-70%

Detection method 检测方法

1. Charging method

充电方式

Charging the cell initially with constant current at 0.2C and then with constant vol^t at 4.2V till charge current declines to 0.02C.

标准充电: 先以0.2C 恒流充电, 当电芯电压达到4.2V后, 改为恒压充电直到充电电流小于或等于0.02C。

2. 55°C external shortcircuit test requirements

55°C 外部短路测试要求

Before short circuit, it needs to be baked in the oven 55°C envirent for more than 30 minutes, and then through 3mΩ internal resistance Nickel strip for short circuit to close the door quickly and then continue the oven, test to observe the phenomenon.

短路前需要在烤箱55°C的环境下烘烤30分钟以上,再通过3mΩ内阻镍带进行短路测试迅速关门再烤箱继续测试,观察现象。

1) Bake the battery at 55°C for ≥30min.

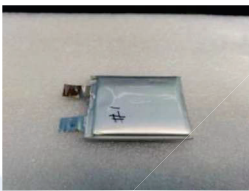
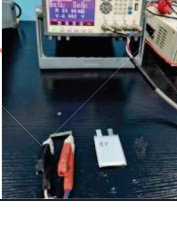
电池在55°C烘烤≥30min

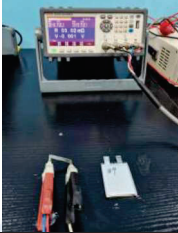
2) Use 3mΩ internal resistance Nickel strip for short circuit test

用3mΩ内阻镍带进行短路测试

Note: Temperature rise data is required, and leakage is not allowed.

注: 需要温升数据, 不允许漏液。

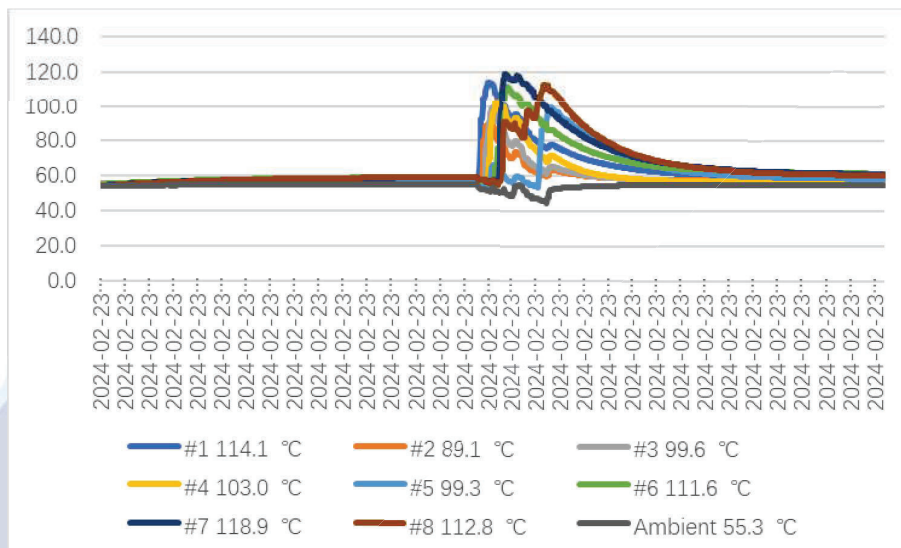
Test Results 测试结果:				
Sample No. 样品编号	Before testing 测试前照片	During testing 测试中照片	after testing 测试后照片	Test conclusion 测试结论
SN2402210 02C001				No fire, No explosion, No leakage 未起火、未爆炸、未漏液
SN2402210 02C002				No fire, No explosion, No leakage 未起火、未爆炸、未漏液
SN2402210 02C003				No fire, No explosion, No leakage 未起火、未爆炸、未漏液
SN2402210 02C004				No fire, No explosion, No leakage 未起火、未爆炸、未漏液
SN2402210 02C005				No fire, No explosion, No leakage 未起火、未爆炸、未漏液
SN2402210 02C006				No fire, No explosion, No leakage 未起火、未爆炸、未漏液

SN2402210 02C007				No fire, No explosion, No leakage 未起火、未爆炸、未漏液
SN2402210 02C008				No fire, No explosion, No leakage 未起火、未爆炸、未漏液



Temperature rise curve :
温升曲线:

SN240221002C001~ SN240221002C010



List of main test equipment
主要试验仪器设备清单

Item 编号	Equipment 名称	Model 型号	Cal. 校准日期	Due. 校准有效期至
CMC-YQ-005	Battery Test System 电池测试系统	ACTS-20V10A	2023-03-23	2024-03-22
CMC-YQ-016-2	Data Collector 数据采集器	34970A	2023-03-23	2024-03-22
CMC-YQ-044-1	Temperature & humidity monitoring intelligent terminal 温度&湿度智能监控终端	ZL-TH10TP	2023-03-23	2024-03-22
CMC-YQ-044-2	Temperature & humidity monitoring intelligent terminal 温度&湿度智能监控终端	ZL-TH10TP	2023-03-23	2024-03-22
CMC-YQ-026	Dc Low Internal Testing Resistance 直流低电阻测试仪	KJ2511	2023-03-23	2024-03-22

Important 注意事项

1. The test report is invalid if it is not affixed the official seal of the laboratory to it.
检测报告无本实验室公章（或检验检测专用章）无效。
2. Copies of the test report without the official seal of the laboratory are invalid.
复制检测报告未重新加盖本实验室公章(或检验检测专用章)无效。
3. It is forbidden to copy the test report partially without the written approval of the laboratory.
未经本实验室书面批准，不得部分复制检测报告。
4. The test report is invalid without the signatures of Approver, Reviewer and Testing engineer.
检测报告无检测、审核、批准人签名无效。
5. The test report is invalid if it is blotted out.
检测报告涂改无效。
6. Objections to the test report must be submitted to CMC within 15 days.
对检测报告若有异议，应于收到报告之日起十五天内向检测单位提出。
7. The test report is valid for the tested samples only.
本报告仅对送检样品负责。

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*** End of Report ***

*** 报告结束 ***