



中国认可  
检测  
TESTING  
CNAS L0748



170014233963



NO.1119110223

# 检 测 报 告

## Test Report

样品名称： 不可充电锂锰电池 CR17450 3.0V 2500mAh

Name of Sample: Lithium Manganese Dioxide Battery CR17450 3.0V 2500mAh

委托单位： 惠州市惠德瑞锂电科技股份有限公司

Consignor: Huizhou Huiderui Lithium Battery Technology Co., Ltd



上海化工院检测有限公司

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

# 声 明

## Statement

1. 检测报告无本实验室公章（或检验检测专用章）无效。

The test report is invalid if it is not affixed the official seal of the laboratory to it.

2. 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。

Copies of the test report without the official seal of the laboratory are invalid.

3. 检测报告无编制、审核、批准人签字无效。

The test report is invalid without the signatures of compiler, checker and approver.

4. 检测报告涂改无效。

The test report is invalid if it is blotted out.

5. 未经本实验室书面批准，不得部分复制检测报告。

It is forbidden to copy the test report partially without the written approval of the laboratory.

6. 送样委托检测结果，仅对所送样品有效。

The conclusion of the consignment test is only valid for the provided sample.

7. 本检测报告以中文为准，英文文本（如有）仅为译文，两者发生冲突时，应以中文文本为准。

The test report has been drafted in Chinese and translated into English (if exist) for convenience only. In the event of discrepancy, the Chinese version shall prevail.

8. 除另有说明，检测检验类别都是指委托分析。

Unless noted otherwise, the test type is consignment test.

地址：上海市云岭东路 345 号

Address: No.345 East Yunling Road, Shanghai

邮政编码(Post Code): 200062

电话(Tel): (021) 31765555

传真(Fax): (021) 31015117

网址 (web site): [www.ghs.cn](http://www.ghs.cn)

电子信箱(E-mail): [zmf@ghs.cn](mailto:zmf@ghs.cn)



# 上海化工院检测有限公司

## 检测报告

Shanghai Research Institute of Chemical Industry  
Testing Co., Ltd. Test Report

NO. 1119110223

1/10

|                             |                                                                                                                                                                                                                                                                                       |                                                        |                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------|
| 样品名称<br>Name of Sample      | 中文<br>Chinese                                                                                                                                                                                                                                                                         | 不可充电锂锰电池 CR17450 3.0V 2500mAh                          |                             |
|                             | 英文<br>English                                                                                                                                                                                                                                                                         | Lithium Manganese Dioxide Battery CR17450 3.0V 2500mAh |                             |
| 样品编号<br>Sample No.          | 1119110223                                                                                                                                                                                                                                                                            |                                                        |                             |
| 委托单位<br>Consignor           | 惠州市惠德瑞锂电科技股份有限公司<br>Huizhou Huiderei Lithium Battery Technology Co., Ltd                                                                                                                                                                                                              |                                                        |                             |
| 生产单位<br>Manufacturer        | 惠州市惠德瑞锂电科技股份有限公司<br>Huizhou Huiderei Lithium Battery Technology Co., Ltd                                                                                                                                                                                                              |                                                        |                             |
| 检测方法<br>Test method         | 联合国《关于危险货物运输的建议书 试验和标准手册》<br>ST/SG/AC.10/11/Rev.6 Amend.1 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1<br>Section 38.3                                                                         |                                                        |                             |
| 判定标准<br>Criterion           | 联合国《关于危险货物运输的建议书 试验和标准手册》<br>ST/SG/AC.10/11/Rev.6 Amend.1 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1<br>Section 38.3                                                                         |                                                        |                             |
| 样品外观<br>Appearance          | 绿色 圆柱型塑料薄膜外壳<br>Green Cylinder plastics film shell                                                                                                                                                                                                                                    |                                                        |                             |
| 样品接受日期<br>Accepted Date     | 2019-11-15                                                                                                                                                                                                                                                                            | 检测起迄日期<br>Test Date                                    | 2019-11-20 ~ 2019-12-24     |
| 检测项目<br>Test Items          | 高度模拟;热测试;振动;冲击;外短路;挤压;强制放电<br>Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Forced discharge                                                                                                                                                    |                                                        |                             |
| 检测结论<br>Conclusion          | 经检测,该样品符合联合国《关于危险货物运输的建议书 试验和标准手册》<br>ST/SG/AC.10/11/Rev.6 Amend.1 38.3标准要求。<br>The sample has passed the test items of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 38.3<br>生效日期(Date): 2019-12-26 |                                                        |                             |
| 备注<br>Comment               | 锂含量0.78g。Lithium content:0.78g. 不可充电锂电池芯Primary Lithium Cell./                                                                                                                                                                                                                        |                                                        |                             |
| 委托单位地址<br>Consignor Address | /                                                                                                                                                                                                                                                                                     |                                                        | 邮政编码<br>Post Code<br>516006 |

批准  
Approver:  
职务  
Title:

张一凡

审核  
Checker:

陈建峰

编制  
Compiler:

傅佳

副总工程师(Vice chief engineer)





# 上海化工院检测有限公司

## 检测报告

Shanghai Research Institute of Chemical Industry  
Testing Co., Ltd. Test Report

NO. 1119110223

2/10

| 序号<br>No.                              | 检测项目名称<br>Name of Test Items  | 标准要求或标准条款号<br>Standard requirement or The Clause Number of Standard                                                                                    | 检测结果<br>Test Result     | 本项结论<br>Conclusion | 备注<br>Remark    |
|----------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|-----------------|
| 1                                      | 高度模拟<br>Altitude simulation   | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.1<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.1 | 见附表 1<br>See Appendix 1 | 合格<br>Passed       | /               |
| 2                                      | 热测试<br>Thermal test           | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.2<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.2 | 见附表 2<br>See Appendix 2 | 合格<br>Passed       | /               |
| 3                                      | 振动<br>Vibration               | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.3<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.3 | 见附表 3<br>See Appendix 3 | 合格<br>Passed       | /               |
| 4                                      | 冲击<br>Shock                   | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.4<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.4 | 见附表 4<br>See Appendix 4 | 合格<br>Passed       | /               |
| 5                                      | 外短路<br>External short circuit | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.5<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.5 | 见附表 5<br>See Appendix 5 | 合格<br>Passed       | /               |
| 6                                      | 挤压<br>Crush                   | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.6<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.6 | 见附表 6<br>See Appendix 6 | 合格<br>Passed       | /               |
| 7                                      | 强制放电<br>Forced discharge      | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 Amend.1 38.3 试验T.8<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 Amend.1 Section 38.3 Test T.8 | 见附表 7<br>See Appendix 7 | 合格<br>Passed       | /               |
| 8                                      | 以下空白                          | This space intentionally left blank                                                                                                                    |                         |                    |                 |
| 检测环境条件<br>Test Environment Condition   |                               | 环境温度:20℃-23℃;环境湿度:/%<br>Ambient temperature:20℃-23℃;Ambient humidity:/%                                                                                |                         |                    |                 |
| 分包检验情况<br>Subcontracted Test Condition |                               | 检测项目<br>Test Item                                                                                                                                      | /                       |                    |                 |
|                                        |                               | 分包实验室<br>Subcontracted Laboratory                                                                                                                      | 名称<br>Name              | /                  | 邮编<br>Post Code |
|                                        |                               |                                                                                                                                                        | 地址<br>Address           | /                  | 电话<br>Tel       |



# 上海化工院检测有限公司

## 检测报告-附表 1

SRICI Testing Co., Ltd. Test Report—Appendix 1

NO. 1119110223

3/10

| 序号<br>No.                 | 1                        | 检测项目名称<br>Name of Test Items |                   | 高度模拟<br>Altitude simulation |                   |                         |                               |                            |
|---------------------------|--------------------------|------------------------------|-------------------|-----------------------------|-------------------|-------------------------|-------------------------------|----------------------------|
| 样品<br>编号<br>Sample<br>No. | 样品状态<br>Sample Status    | 试验前 Before                   |                   | 试验后 After                   |                   | 质量损失<br>Mass Loss<br>/% | 剩余电压<br>Residual<br>OCV<br>/% | 其他<br>现象<br>Other<br>Event |
|                           |                          | 质量<br>Mass<br>/g             | 开路电压<br>OCV<br>/V | 质量<br>Mass<br>/g            | 开路电压<br>OCV<br>/V |                         |                               |                            |
| 001                       | 未放电<br>Undischarged      | 20.8659                      | 3.32              | 20.8660                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 002                       | 未放电<br>Undischarged      | 21.0245                      | 3.32              | 21.0246                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 003                       | 未放电<br>Undischarged      | 20.9741                      | 3.31              | 20.9745                     | 3.31              | 0.00                    | 100.00                        | O                          |
| 004                       | 未放电<br>Undischarged      | 21.0301                      | 3.32              | 21.0293                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 005                       | 未放电<br>Undischarged      | 21.0684                      | 3.32              | 21.0685                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 006                       | 未放电<br>Undischarged      | 21.0562                      | 3.32              | 21.0557                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 007                       | 未放电<br>Undischarged      | 20.9983                      | 3.32              | 20.9983                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 008                       | 未放电<br>Undischarged      | 21.0379                      | 3.32              | 21.0378                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 009                       | 未放电<br>Undischarged      | 20.8872                      | 3.32              | 20.8875                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 010                       | 未放电<br>Undischarged      | 20.9791                      | 3.32              | 20.9789                     | 3.32              | 0.00                    | 100.00                        | O                          |
| 011                       | 完全放电<br>Fully discharged | 20.7818                      | /                 | 20.7818                     | /                 | 0.00                    | /                             | O                          |
| 012                       | 完全放电<br>Fully discharged | 20.8536                      | /                 | 20.8535                     | /                 | 0.00                    | /                             | O                          |
| 013                       | 完全放电<br>Fully discharged | 20.8773                      | /                 | 20.8777                     | /                 | 0.00                    | /                             | O                          |
| 014                       | 完全放电<br>Fully discharged | 20.7874                      | /                 | 20.7878                     | /                 | 0.00                    | /                             | O                          |
| 015                       | 完全放电<br>Fully discharged | 21.0812                      | /                 | 21.0802                     | /                 | 0.00                    | /                             | O                          |
| 016                       | 完全放电<br>Fully discharged | 21.1568                      | /                 | 21.1567                     | /                 | 0.00                    | /                             | O                          |
| 017                       | 完全放电<br>Fully discharged | 20.7043                      | /                 | 20.7042                     | /                 | 0.00                    | /                             | O                          |
| 018                       | 完全放电<br>Fully discharged | 20.8119                      | /                 | 20.8112                     | /                 | 0.00                    | /                             | O                          |
| 019                       | 完全放电<br>Fully discharged | 20.9842                      | /                 | 20.9840                     | /                 | 0.00                    | /                             | O                          |
| 020                       | 完全放电<br>Fully discharged | 21.0221                      | /                 | 21.0220                     | /                 | 0.00                    | /                             | O                          |

备注: L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。

Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage, No Venting,

No Disassembly, No Rupture & No Fire.



上海化工院检测有限公司  
检测报告-附表 2

SRICI Testing Co., Ltd. Test Report—Appendix 2 NO. 1119110223

4/10

| 序号<br>No.                 | 2                        | 检测项目名称<br>Name of Test Items |                   | 热测试<br>Thermal test |                   |                         |                               |                            |
|---------------------------|--------------------------|------------------------------|-------------------|---------------------|-------------------|-------------------------|-------------------------------|----------------------------|
| 样品<br>编号<br>Sample<br>No. | 样品状态<br>Sample Status    | 试验前 Before                   |                   | 试验后 After           |                   | 质量损失<br>Mass Loss<br>/% | 剩余电压<br>Residual<br>OCV<br>/% | 其他<br>现象<br>Other<br>Event |
|                           |                          | 质量<br>Mass<br>/g             | 开路电压<br>OCV<br>/V | 质量<br>Mass<br>/g    | 开路电压<br>OCV<br>/V |                         |                               |                            |
| 001                       | 未放电<br>Undischarged      | 20.8660                      | 3.32              | 20.8589             | 3.31              | 0.03                    | 99.70                         | O                          |
| 002                       | 未放电<br>Undischarged      | 21.0246                      | 3.32              | 21.0183             | 3.31              | 0.03                    | 99.70                         | O                          |
| 003                       | 未放电<br>Undischarged      | 20.9745                      | 3.31              | 20.9690             | 3.31              | 0.03                    | 100.00                        | O                          |
| 004                       | 未放电<br>Undischarged      | 21.0293                      | 3.32              | 21.0199             | 3.31              | 0.04                    | 99.70                         | O                          |
| 005                       | 未放电<br>Undischarged      | 21.0685                      | 3.32              | 21.0598             | 3.31              | 0.04                    | 99.70                         | O                          |
| 006                       | 未放电<br>Undischarged      | 21.0557                      | 3.32              | 21.0502             | 3.31              | 0.03                    | 99.70                         | O                          |
| 007                       | 未放电<br>Undischarged      | 20.9983                      | 3.32              | 20.9917             | 3.31              | 0.03                    | 99.70                         | O                          |
| 008                       | 未放电<br>Undischarged      | 21.0378                      | 3.32              | 21.0266             | 3.31              | 0.05                    | 99.70                         | O                          |
| 009                       | 未放电<br>Undischarged      | 20.8875                      | 3.32              | 20.8823             | 3.31              | 0.02                    | 99.70                         | O                          |
| 010                       | 未放电<br>Undischarged      | 20.9789                      | 3.32              | 20.9729             | 3.31              | 0.03                    | 99.70                         | O                          |
| 011                       | 完全放电<br>Fully discharged | 20.7818                      | /                 | 20.7754             | /                 | 0.03                    | /                             | O                          |
| 012                       | 完全放电<br>Fully discharged | 20.8535                      | /                 | 20.8497             | /                 | 0.02                    | /                             | O                          |
| 013                       | 完全放电<br>Fully discharged | 20.8777                      | /                 | 20.8737             | /                 | 0.02                    | /                             | O                          |
| 014                       | 完全放电<br>Fully discharged | 20.7878                      | /                 | 20.7842             | /                 | 0.02                    | /                             | O                          |
| 015                       | 完全放电<br>Fully discharged | 21.0802                      | /                 | 21.0789             | /                 | 0.01                    | /                             | O                          |
| 016                       | 完全放电<br>Fully discharged | 21.1567                      | /                 | 21.1534             | /                 | 0.02                    | /                             | O                          |
| 017                       | 完全放电<br>Fully discharged | 20.7042                      | /                 | 20.7008             | /                 | 0.02                    | /                             | O                          |
| 018                       | 完全放电<br>Fully discharged | 20.8112                      | /                 | 20.8094             | /                 | 0.01                    | /                             | O                          |
| 019                       | 完全放电<br>Fully discharged | 20.9840                      | /                 | 20.9801             | /                 | 0.02                    | /                             | O                          |
| 020                       | 完全放电<br>Fully discharged | 21.0220                      | /                 | 21.0181             | /                 | 0.02                    | /                             | O                          |

备注: L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。

Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage, No Venting,  
No Disassembly, No Rupture & No Fire.



## 检测报告-附表 3

SRICI Testing Co., Ltd. Test Report—Appendix 3

NO. 1119110223

5/10

| 序号<br>No.                                                                                                                                                                        | 3                        | 检测项目名称<br>Name of Test Items |                   | 振动<br>Vibration  |                   |                         |                               |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------|-------------------|------------------|-------------------|-------------------------|-------------------------------|----------------------------|
| 样品<br>编号<br>Sample<br>No.                                                                                                                                                        | 样品状态<br>Sample Status    | 试验前 Before                   |                   | 试验后 After        |                   | 质量损失<br>Mass Loss<br>/% | 剩余电压<br>Residual<br>OCV<br>/% | 其他<br>现象<br>Other<br>Event |
|                                                                                                                                                                                  |                          | 质量<br>Mass<br>/g             | 开路电压<br>OCV<br>/V | 质量<br>Mass<br>/g | 开路电压<br>OCV<br>/V |                         |                               |                            |
| 001                                                                                                                                                                              | 未放电<br>Undischarged      | 20.8589                      | 3.31              | 20.8578          | 3.31              | 0.01                    | 100.00                        | O                          |
| 002                                                                                                                                                                              | 未放电<br>Undischarged      | 21.0183                      | 3.31              | 21.0168          | 3.31              | 0.01                    | 100.00                        | O                          |
| 003                                                                                                                                                                              | 未放电<br>Undischarged      | 20.9690                      | 3.31              | 20.9693          | 3.31              | 0.00                    | 100.00                        | O                          |
| 004                                                                                                                                                                              | 未放电<br>Undischarged      | 21.0199                      | 3.31              | 21.0192          | 3.32              | 0.00                    | 100.00                        | O                          |
| 005                                                                                                                                                                              | 未放电<br>Undischarged      | 21.0598                      | 3.31              | 21.0583          | 3.32              | 0.01                    | 100.00                        | O                          |
| 006                                                                                                                                                                              | 未放电<br>Undischarged      | 21.0502                      | 3.31              | 21.0493          | 3.31              | 0.00                    | 100.00                        | O                          |
| 007                                                                                                                                                                              | 未放电<br>Undischarged      | 20.9917                      | 3.31              | 20.9915          | 3.31              | 0.00                    | 100.00                        | O                          |
| 008                                                                                                                                                                              | 未放电<br>Undischarged      | 21.0266                      | 3.31              | 21.0252          | 3.31              | 0.01                    | 100.00                        | O                          |
| 009                                                                                                                                                                              | 未放电<br>Undischarged      | 20.8823                      | 3.31              | 20.8810          | 3.31              | 0.01                    | 100.00                        | O                          |
| 010                                                                                                                                                                              | 未放电<br>Undischarged      | 20.9729                      | 3.31              | 20.9719          | 3.31              | 0.00                    | 100.00                        | O                          |
| 011                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.7754                      | /                 | 20.7752          | /                 | 0.00                    | /                             | O                          |
| 012                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.8497                      | /                 | 20.8492          | /                 | 0.00                    | /                             | O                          |
| 013                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.8737                      | /                 | 20.8734          | /                 | 0.00                    | /                             | O                          |
| 014                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.7842                      | /                 | 20.7837          | /                 | 0.00                    | /                             | O                          |
| 015                                                                                                                                                                              | 完全放电<br>Fully discharged | 21.0789                      | /                 | 21.0787          | /                 | 0.00                    | /                             | O                          |
| 016                                                                                                                                                                              | 完全放电<br>Fully discharged | 21.1534                      | /                 | 21.1518          | /                 | 0.01                    | /                             | O                          |
| 017                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.7008                      | /                 | 20.7004          | /                 | 0.00                    | /                             | O                          |
| 018                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.8094                      | /                 | 20.8088          | /                 | 0.00                    | /                             | O                          |
| 019                                                                                                                                                                              | 完全放电<br>Fully discharged | 20.9801                      | /                 | 20.9810          | /                 | 0.00                    | /                             | O                          |
| 020                                                                                                                                                                              | 完全放电<br>Fully discharged | 21.0181                      | /                 | 21.0177          | /                 | 0.00                    | /                             | O                          |
| 备注: L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。<br>Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage,No Venting,<br>No Disassembly,No Rupture & No Fire. |                          |                              |                   |                  |                   |                         |                               |                            |



| 序号<br>No.                 | 4                        | 检测项目名称<br>Name of Test Items |                   | 冲击<br>Shock      |                   |                         |                               |                            |
|---------------------------|--------------------------|------------------------------|-------------------|------------------|-------------------|-------------------------|-------------------------------|----------------------------|
| 样品<br>编号<br>Sample<br>No. | 样品状态<br>Sample Status    | 试验前 Before                   |                   | 试验后 After        |                   | 质量损失<br>Mass Loss<br>/% | 剩余电压<br>Residual<br>OCV<br>/% | 其他<br>现象<br>Other<br>Event |
|                           |                          | 质量<br>Mass<br>/g             | 开路电压<br>OCV<br>/V | 质量<br>Mass<br>/g | 开路电压<br>OCV<br>/V |                         |                               |                            |
| 001                       | 未放电<br>Undischarged      | 20.8578                      | 3.31              | 20.8557          | 3.31              | 0.01                    | 100.00                        | O                          |
| 002                       | 未放电<br>Undischarged      | 21.0168                      | 3.31              | 21.0156          | 3.31              | 0.01                    | 100.00                        | O                          |
| 003                       | 未放电<br>Undischarged      | 20.9693                      | 3.31              | 20.9675          | 3.31              | 0.01                    | 100.00                        | O                          |
| 004                       | 未放电<br>Undischarged      | 21.0192                      | 3.32              | 21.0172          | 3.32              | 0.01                    | 100.00                        | O                          |
| 005                       | 未放电<br>Undischarged      | 21.0583                      | 3.32              | 21.0566          | 3.32              | 0.01                    | 100.00                        | O                          |
| 006                       | 未放电<br>Undischarged      | 21.0493                      | 3.31              | 21.0477          | 3.31              | 0.01                    | 100.00                        | O                          |
| 007                       | 未放电<br>Undischarged      | 20.9915                      | 3.31              | 20.9901          | 3.31              | 0.01                    | 100.00                        | O                          |
| 008                       | 未放电<br>Undischarged      | 21.0252                      | 3.31              | 21.0236          | 3.31              | 0.01                    | 100.00                        | O                          |
| 009                       | 未放电<br>Undischarged      | 20.8810                      | 3.31              | 20.8794          | 3.31              | 0.01                    | 100.00                        | O                          |
| 010                       | 未放电<br>Undischarged      | 20.9719                      | 3.31              | 20.9702          | 3.31              | 0.01                    | 100.00                        | O                          |
| 011                       | 完全放电<br>Fully discharged | 20.7752                      | /                 | 20.7739          | /                 | 0.01                    | /                             | O                          |
| 012                       | 完全放电<br>Fully discharged | 20.8492                      | /                 | 20.8481          | /                 | 0.01                    | /                             | O                          |
| 013                       | 完全放电<br>Fully discharged | 20.8734                      | /                 | 20.8720          | /                 | 0.01                    | /                             | O                          |
| 014                       | 完全放电<br>Fully discharged | 20.7837                      | /                 | 20.7820          | /                 | 0.01                    | /                             | O                          |
| 015                       | 完全放电<br>Fully discharged | 21.0787                      | /                 | 21.0776          | /                 | 0.01                    | /                             | O                          |
| 016                       | 完全放电<br>Fully discharged | 21.1518                      | /                 | 21.1505          | /                 | 0.01                    | /                             | O                          |
| 017                       | 完全放电<br>Fully discharged | 20.7004                      | /                 | 20.6992          | /                 | 0.01                    | /                             | O                          |
| 018                       | 完全放电<br>Fully discharged | 20.8088                      | /                 | 20.8074          | /                 | 0.01                    | /                             | O                          |
| 019                       | 完全放电<br>Fully discharged | 20.9810                      | /                 | 20.9794          | /                 | 0.01                    | /                             | O                          |
| 020                       | 完全放电<br>Fully discharged | 21.0177                      | /                 | 21.0166          | /                 | 0.01                    | /                             | O                          |

备注：L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。  
 Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage,No Venting,  
 No Disassembly,No Rupture & No Fire.



# 上海化工院检测有限公司

## 检测报告-附表 5

SRICI Testing Co., Ltd. Test Report—Appendix 5 NO.1119110223

7/10

| 序号<br>No.                                                                                                        | 5                        | 检测项目名称<br>Name of Test Items                | 外短路<br>External short circuit |
|------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------|-------------------------------|
| 样品编号<br>Sample No.                                                                                               | 样品状态<br>Sample Status    | 样品表面最高温度<br>Max. External Temperature<br>/℃ | 其他现象<br>Other Event           |
| 001                                                                                                              | 未放电<br>Undischarged      | 80.7                                        | O                             |
| 002                                                                                                              | 未放电<br>Undischarged      | 83.8                                        | O                             |
| 003                                                                                                              | 未放电<br>Undischarged      | 83.5                                        | O                             |
| 004                                                                                                              | 未放电<br>Undischarged      | 84.8                                        | O                             |
| 005                                                                                                              | 未放电<br>Undischarged      | 85.5                                        | O                             |
| 006                                                                                                              | 未放电<br>Undischarged      | 81.9                                        | O                             |
| 007                                                                                                              | 未放电<br>Undischarged      | 85.9                                        | O                             |
| 008                                                                                                              | 未放电<br>Undischarged      | 79.2                                        | O                             |
| 009                                                                                                              | 未放电<br>Undischarged      | 84.2                                        | O                             |
| 010                                                                                                              | 未放电<br>Undischarged      | 87.9                                        | O                             |
| 011                                                                                                              | 完全放电<br>Fully discharged | 69.3                                        | O                             |
| 012                                                                                                              | 完全放电<br>Fully discharged | 68.5                                        | O                             |
| 013                                                                                                              | 完全放电<br>Fully discharged | 66.7                                        | O                             |
| 014                                                                                                              | 完全放电<br>Fully discharged | 70.5                                        | O                             |
| 015                                                                                                              | 完全放电<br>Fully discharged | 87.8                                        | O                             |
| 016                                                                                                              | 完全放电<br>Fully discharged | 73.0                                        | O                             |
| 017                                                                                                              | 完全放电<br>Fully discharged | 78.5                                        | O                             |
| 018                                                                                                              | 完全放电<br>Fully discharged | 76.5                                        | O                             |
| 019                                                                                                              | 完全放电<br>Fully discharged | 82.2                                        | O                             |
| 020                                                                                                              | 完全放电<br>Fully discharged | 69.2                                        | O                             |
| 备注: D-解体 R-破裂 F-起火 O-无解体、无起火、无破裂。<br>Note: D-Disassembly R-Ruptur F-Fire O-No Disassembly, No Fire & No Rupture. |                          |                                             |                               |



## 检测报告-附表 6

SRICI Testing Co., Ltd. Test Report—Appendix 6

NO. 1119110223

8/10

| 序号<br>No.          | 6                                   | 检测项目名称<br>Name of Test Items             | 挤压<br>Crush         |
|--------------------|-------------------------------------|------------------------------------------|---------------------|
| 样品编号<br>Sample No. | 样品状态<br>Sample Status               | 样品表面最高温度<br>Max. External Temperature /℃ | 其他现象<br>Other Event |
| 021                | 未放电<br>Undischarged                 | 82.4                                     | O                   |
| 022                | 未放电<br>Undischarged                 | 34.2                                     | O                   |
| 023                | 未放电<br>Undischarged                 | 33.1                                     | O                   |
| 024                | 未放电<br>Undischarged                 | 35.9                                     | O                   |
| 025                | 未放电<br>Undischarged                 | 38.4                                     | O                   |
| 026                | 完全放电<br>Fully discharged            | 27.4                                     | O                   |
| 027                | 完全放电<br>Fully discharged            | 26.8                                     | O                   |
| 028                | 完全放电<br>Fully discharged            | 28.6                                     | O                   |
| 029                | 完全放电<br>Fully discharged            | 26.7                                     | O                   |
| 030                | 完全放电<br>Fully discharged            | 26.1                                     | O                   |
| 以下空白               | This space intentionally left blank |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |
|                    |                                     |                                          |                     |

备注：D-解体 F-起火 O-无解体、无起火。  
Note: D-Disassembly F-Fire O-No Disassembly & No Fire.



检测报告-附表 7

7

9/10

备注: D-解体 F-起火 0-无解体、无起火。  
Note: D-Disassembly F-Fire O-No Disassembly & No Fire.



上海化工院检测有限公司  
检测报告-附图

SRICI Testing Co., Ltd. Test Report—Appendix NO. 1119110223

10/10



\*\*\*报告结束\*\*\*