



NO.1122010570a

# 检 测 报 告

## Test Report

样品名称： 二次锂电池组/锂离子电池组 C21P2101 7.78V  
2925mAh/22.7Wh(Rated) 3000mAh/23.3Wh(Typical)

Name of Sample: Rechargeable Li-Polymer Battery Pack C21P2101 7.78V  
2925mAh/22.7Wh(Rated) 3000mAh/23.3Wh(Typical)

委托单位： 飞毛腿（福建）电子有限公司

Consignor: SCUD (Fujian) Electronics Co., Ltd.



上海化工院检测有限公司

Shanghai 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): [center@ghs.cn](mailto:center@ghs.cn)

上海化工院检测有限公司  
检测报告  
Shanghai Institute of Chemical Industry  
Testing Co., Ltd. Test Report

NO. 1122010570a

1/11

|                             |                                                                                                                                                                                            |                                                                                                      |                             |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------|
| 样品名称<br>Name of Sample      | 中文<br>Chinese                                                                                                                                                                              | 二次锂电池组/锂离子电池组 C21P2101 7.78V 2925mAh/22.7Wh(Rated)<br>3000mAh/23.3Wh(Typical)                        |                             |
|                             | 英文<br>English                                                                                                                                                                              | Rechargeable Li-Polymer Battery Pack C21P2101 7.78V 2925mAh/22.7Wh(Rated)<br>3000mAh/23.3Wh(Typical) |                             |
| 样品编号<br>Sample No.          | 1122010570                                                                                                                                                                                 |                                                                                                      |                             |
| 委托单位<br>Consignor           | 飞毛腿(福建)电子有限公司<br>SCUD (Fujian) Electronics Co., Ltd.                                                                                                                                       |                                                                                                      |                             |
| 生产单位<br>Manufacturer        | 飞毛腿(福建)电子有限公司<br>SCUD (Fujian) Electronics Co., Ltd.                                                                                                                                       |                                                                                                      |                             |
| 检测方法<br>Test method         | 联合国《试验和标准手册》<br>ST/SG/AC.10/11/Rev.7 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3                                                                                |                                                                                                      |                             |
| 判定标准<br>Criterion           | 联合国《试验和标准手册》<br>ST/SG/AC.10/11/Rev.7 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3                                                                                |                                                                                                      |                             |
| 样品外观<br>Appearance          | 黑色 塑料薄膜外壳<br>Black Plastic film shell                                                                                                                                                      |                                                                                                      |                             |
| 样品接受日期<br>Accepted Date     | 2022-01-21                                                                                                                                                                                 | 检测起迄日期<br>Test Date                                                                                  | 2022-02-16 ~ 2022-03-03     |
| 检测项目<br>Test Items          | 高度模拟;热测试;振动;冲击;外短路;挤压;过充电;强制放电<br>Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Overcharge, Forced discharge                                         |                                                                                                      |                             |
| 检测结论<br>Conclusion          | 经检测,该样品符合联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3标准要求。<br>The sample has passed the test items of UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3<br>生效日期(Date): 2023-09-08 |                                                                                                      |                             |
| 备注<br>Comment               | 可充电锂电池组Rechargeable Lithium Battery. 该检测报告仅对T6冲击/挤压测试项目做出修改,并替代报告编号1122010570的检测报告。                                                                                                        |                                                                                                      |                             |
| 委托单位地址<br>Consignor Address | /                                                                                                                                                                                          |                                                                                                      | 邮政编码<br>Post Code<br>350015 |

批准  
Approver:  
职务  
Title:

王宗

副总工程师(Vice chief engineer)

审核  
Checker:

陆建峰

编制  
Compiler:

傅佳



**上海化工院检测有限公司**  
**检 测 报 告**  
Shanghai Institute of Chemical Industry  
Testing Co., Ltd. Test Report

NO. 1122010570a

2/11

| 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《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T1<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 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《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T2<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 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《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T3<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 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《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T4<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 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《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T5<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 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《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T.6<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.6 | 见附表 6<br>See Appendix 6 | 合格<br>Passed       | /               |
| 7                                      | 过充电<br>Overcharge             | 联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T7<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.7  | 见附表 7<br>See Appendix 7 | 合格<br>Passed       | /               |
| 8                                      | 强制放电<br>Forced discharge      | 联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7<br>38.3 试验T8<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.8  | 见附表 8<br>See Appendix 8 | 合格<br>Passed       | /               |
| 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       |

[illegible]

## 4/11

[illegible]

[illegible]

检测报告—附表4  
Shanghai Institute of Chemical Industry  
Testing Co., Ltd. Test Report—Appendix 4

6/11

[illegible]

## Testing Co., Ltd. Test Report—Appendix 5

7/11

[illegible]

8/11

[illegible]

上海化工院检测有限公司  
 检测 报 告—附表7  
 Shanghai Institute of Chemical Industry  
 Testing Co., Ltd. Test Report—Appendix 7

NO. 1122010570a

9/11

| 序号<br>No.          | 7                                   | 检测项目名称<br>Name of Test Items | 过充电<br>Overcharge |
|--------------------|-------------------------------------|------------------------------|-------------------|
| 样品编号<br>Sample No. | 样品状态<br>Sample Status               | 其他现象<br>Other Event          |                   |
| 019                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 020                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 021                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 022                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 023                | 25CYC完全充电<br>25CYC Fully charged    | O                            |                   |
| 024                | 25CYC完全充电<br>25CYC Fully charged    | O                            |                   |
| 025                | 25CYC完全充电<br>25CYC Fully charged    | O                            |                   |
| 026                | 25CYC完全充电<br>25CYC Fully charged    | O                            |                   |
| 以下空白               | This space intentionally left blank |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |
|                    |                                     |                              |                   |

# 上海化工院检测有限公司

## 检测 报 告—附表8

Shanghai Institute of Chemical Industry  
Testing Co., Ltd. Test Report—Appendix 8

NO. 1122010570a

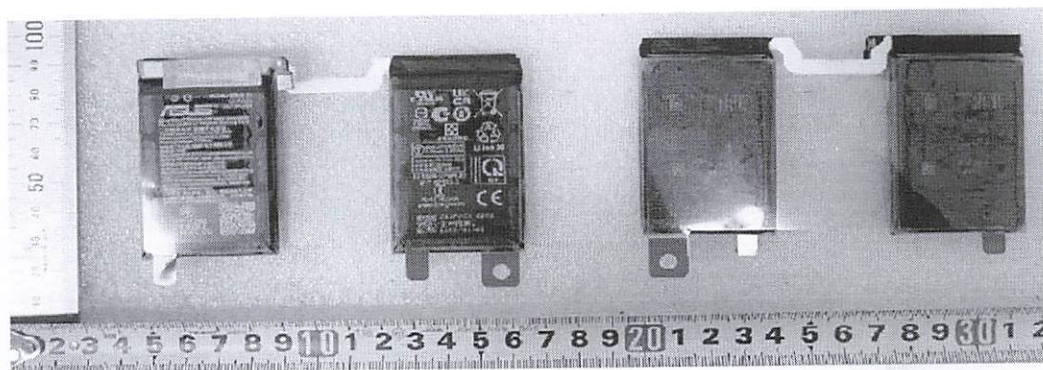
10/11

| 序号<br>No.                                                                         | 8                                   | 检测项目名称<br>Name of Test Items | 强制放电<br>Forced discharge |
|-----------------------------------------------------------------------------------|-------------------------------------|------------------------------|--------------------------|
| 样品编号<br>Sample No.                                                                | 样品状态<br>Sample Status               | 其他现象<br>Other Event          |                          |
| 027                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 028                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 029                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 030                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 031                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 032                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 033                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 034                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 035                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 036                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 037                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 038                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 039                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 040                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 041                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 042                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 043                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 044                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 045                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 046                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 备注：D-解体 F-起火 O-无解体、无起火。<br>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  
Shanghai Institute of Chemical Industry  
Testing Co., Ltd. Test Report—Appendix

NO. 1122010570a

11/11



\*\*\*报告结束\*\*\*

