



中国认可  
检测  
TESTING  
CNAS L0748



NO.1124090683

# 检测报告

## Test Report

样品名称： 锂离子聚合物电芯 701730 3.7V 250mAh

Name of Sample: Li-ion Polymer Cell 701730 3.7V 250mAh

委托单位： 东莞市聚和新能源有限公司

Consignor: DONGGUAN JUHE ENERGY CO., LTD.



上海化工院检测有限公司

Shanghai Institute of Chemical Industry Testing Co., Ltd.

上海化工院检测有限公司  
检测报告  
Shanghai Institute of Chemical Industry  
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|                             |                                                                                                                                                                                                                                                                                                                                                      |                                        |                             |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------|
| 样品名称<br>Name of Sample      | 中文<br>Chinese                                                                                                                                                                                                                                                                                                                                        | 锂离子聚合物电芯 701730 3.7V 250mAh            |                             |
|                             | 英文<br>English                                                                                                                                                                                                                                                                                                                                        | Li-ion Polymer Cell 701730 3.7V 250mAh |                             |
| 样品编号<br>Sample No.          | 1124090683                                                                                                                                                                                                                                                                                                                                           |                                        |                             |
| 委托单位<br>Consignor           | 东莞市聚和新能源有限公司<br>DONGGUAN JUHE ENERGY CO., LTD.                                                                                                                                                                                                                                                                                                       |                                        |                             |
| 生产单位<br>Manufacturer        | 东莞市聚和新能源有限公司<br>DONGGUAN JUHE ENERGY CO., LTD.                                                                                                                                                                                                                                                                                                       |                                        |                             |
| 检测方法<br>Test method         | 联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3                                                                                                                                                                                                                                           |                                        |                             |
| 判定标准<br>Criterion           | 联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3                                                                                                                                                                                                                                           |                                        |                             |
| 样品外观<br>Appearance          | 银色, 黄色双色 铝塑外壳<br>Silvery and yellow Aluminum-plastics shell                                                                                                                                                                                                                                                                                          |                                        |                             |
| 样品接受日期<br>Accepted Date     | 2024-09-24                                                                                                                                                                                                                                                                                                                                           | 检测起迄日期<br>Test Date                    | 2024-10-10 ~ 2024-11-04     |
| 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《试验和标准手册》ST/SG/AC.10/11/Rev.8 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.8 Section 38.3<br><br>生效日期(Date): 2024-11-05                                                                                                                                                      |                                        |                             |
| 备注<br>Comment               | 可充电单电芯电池 Rechargeable Single Cell Battery.<br>该单电芯电池未安装过充电保护装置, 按设计要求只用于作为另一带过充电保护装置电池组或设备的部件, 未进行过充电测试。<br>Single cell batteries not equipped with battery overcharge protection that are designed for use only as a component in another battery or in equipment, which affords such protection, are not subject to the requirements of this test. |                                        |                             |
| 委托单位地址<br>Consignor Address | 中国广东省东莞市清溪镇罗马路235号3号楼401室<br>401 Room, 3 Building, No 235, Luoma Road, Qingxi Town, Dongguan City, Guangdong Province, China                                                                                                                                                                                                                         |                                        | 邮政编码<br>Post Code<br>518103 |

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上海化工院检测有限公司  
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| 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. 8<br>38.3 试验T.1<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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. 8<br>38.3 试验T.2<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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. 8<br>38.3 试验T.3<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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. 8<br>38.3 试验T.4<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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. 8<br>38.3 试验T.5<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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. 8<br>38.3 试验T.6<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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《试验和标准手册》ST/SG/AC. 10/11/Rev. 8<br>38.3 试验T.8<br>UN Manual of Tests and Criteria<br>ST/SG/AC. 10/11/Rev. 8 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℃-25℃;环境湿度:/%<br>Ambient temperature:20℃-25℃;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       |

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上海化工院检测有限公司  
 检 测 报 告—附表2  
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| 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                       | 1CYC完全充电<br>1CYC Fully charged         | 6.1510                       | 4.18              | 6.1513              | 4.12              | 0.00                    | 98.56                         | O                          |
| 002                       | 1CYC完全充电<br>1CYC Fully charged         | 6.1699                       | 4.17              | 6.1700              | 4.12              | 0.00                    | 98.80                         | O                          |
| 003                       | 1CYC完全充电<br>1CYC Fully charged         | 6.1179                       | 4.19              | 6.1177              | 4.12              | 0.00                    | 98.33                         | O                          |
| 004                       | 1CYC完全充电<br>1CYC Fully charged         | 6.0583                       | 4.18              | 6.0585              | 4.12              | 0.00                    | 98.56                         | O                          |
| 005                       | 1CYC完全充电<br>1CYC Fully charged         | 6.1630                       | 4.19              | 6.1630              | 4.12              | 0.00                    | 98.33                         | O                          |
| 006                       | 25CYC完全充电<br>25CYC Fully charged       | 6.1838                       | 4.17              | 6.1839              | 4.12              | 0.00                    | 98.80                         | O                          |
| 007                       | 25CYC完全充电<br>25CYC Fully charged       | 6.1594                       | 4.19              | 6.1603              | 4.12              | 0.00                    | 98.33                         | O                          |
| 008                       | 25CYC完全充电<br>25CYC Fully charged       | 6.0959                       | 4.18              | 6.0963              | 4.12              | 0.00                    | 98.56                         | O                          |
| 009                       | 25CYC完全充电<br>25CYC Fully charged       | 6.1647                       | 4.19              | 6.1653              | 4.12              | 0.00                    | 98.33                         | O                          |
| 010                       | 25CYC完全充电<br>25CYC Fully charged       | 6.1122                       | 4.19              | 6.1128              | 4.12              | 0.00                    | 98.33                         | O                          |
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|                           |                                        |                              |                   |                     |                   |                         |                               |                            |
|                           |                                        |                              |                   |                     |                   |                         |                               |                            |

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.

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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.

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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5  
Shanghai Institute of Chemical Industry  
Testing Co., Ltd. Test Report—Appendix 5

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| 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>/°C | 其他现象<br>Other Event           |
| 001                | 1CYC完全充电<br>1CYC Fully charged      | 119.4                                        | O                             |
| 002                | 1CYC完全充电<br>1CYC Fully charged      | 108.7                                        | O                             |
| 003                | 1CYC完全充电<br>1CYC Fully charged      | 111.9                                        | O                             |
| 004                | 1CYC完全充电<br>1CYC Fully charged      | 123.2                                        | O                             |
| 005                | 1CYC完全充电<br>1CYC Fully charged      | 115.7                                        | O                             |
| 006                | 25CYC完全充电<br>25CYC Fully charged    | 117.9                                        | O                             |
| 007                | 25CYC完全充电<br>25CYC Fully charged    | 105.5                                        | O                             |
| 008                | 25CYC完全充电<br>25CYC Fully charged    | 96.7                                         | O                             |
| 009                | 25CYC完全充电<br>25CYC Fully charged    | 92.0                                         | O                             |
| 010                | 25CYC完全充电<br>25CYC Fully charged    | 111.9                                        | O                             |
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|                    |                                     |                                              |                               |
|                    |                                     |                                              |                               |

备注：D-解体 R-破裂 F-起火 O-无解体、无起火、无破裂。

Note: D-Disassembly R-Ruptur F-Fire O-No Disassembly,No Fire & No Rupture.

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

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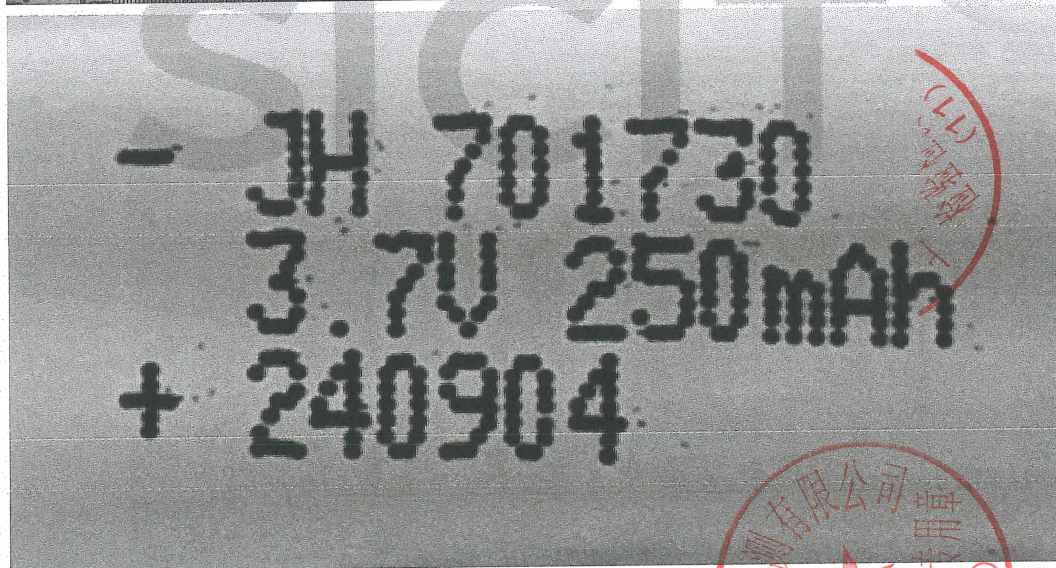
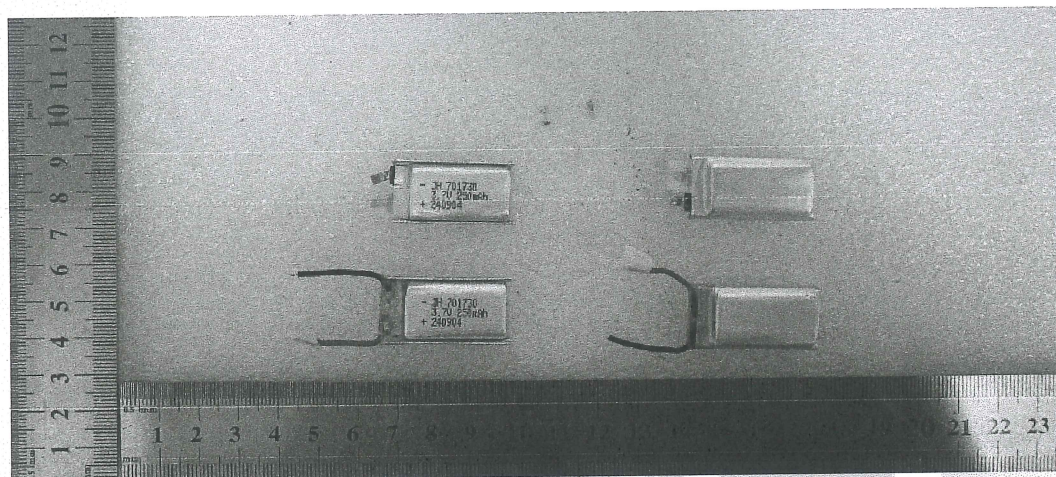
Note: D-Disassembly F-Fire O-No Disassembly & No Fire.

上海化工院检测有限公司  
检测报告—附表7  
Shanghai Institute of Chemical Industry  
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| 序号<br>No.                                                                         | 7                                   | 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          |                          |
| 021                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 022                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 023                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 024                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 025                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 026                                                                               | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 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                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 032                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 033                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 034                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 035                                                                               | 25CYC完全放电<br>25CYC Fully discharged | O                            |                          |
| 036                                                                               | 25CYC完全放电<br>25CYC 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                            |                          |
| 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. |                                     |                              |                          |



\*\*\*报告结束\*\*\*