



中国认可
国际互认
检测
TESTING
CNAS L3095

NO. D250005

检测报告

Test Report

样品名称: 锂离子聚合物电池 HB536586EIW-A 3.84V
5170mAh/19.86Wh

Name of Sample: Rechargeable Li-ion Polymer Battery HB536586EIW-A 3.84V 5170mAh/19.86Wh

委托单位: 飞毛腿(福建)电子有限公司

Consignor : Scud (Fujian) Electronics Co., Ltd



飞毛腿(福建)电子有限公司产品检测中心
Product testing center of Scud (Fujian) Electronics Co., Ltd

QA-265-E

地址(Add): 福州市马尾区江滨东大道98号(No. 98, Jiangbin East Avenue, Mawei District, Fuzhou)
网址(Website): www.scudcn.com 电话(Tel): 0591-63158888、0591-63158886

注 意 事 项

REMARKS

- 1、检测报告涂改无效，无授权签字人签字无效。The report is invalid if altered or not signed by the authorized signature.
- 2、检测报告未加盖本中心“检测报告专用章”和骑缝章无效。The report is invalid without special seal for test report and seal on the perforation.
- 3、检测报告复印件如未重新加盖本中心“检测报告专用章”和骑缝章，本中心不对其真实性和有效性负责。TC won't be responsible for the reality and availability of the copy without a new special seal for test report and a new seal on the perforation.
- 4、样品、样品名称和样品标记由委托方提供，除非另有说明，本检测报告仅对样品负责。Samples, together with their names and marks are provided by Consigner, the results of the report are only responsible for the samples except for additional declaration.
- 5、本中心对检测报告中的所有信息负责，客户提供的信息除外。TC will be responsible for all the information in the test report except the information provided by the customer.

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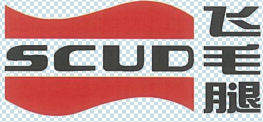
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Test Report

NO. D250005

第 1 页 共 11 页

样品名称 Name of Sample	中文 Chinese	锂离子聚合物电池 HB536586EIW-A 3.84V 5170mAh/19.86Wh	
	英文 English	Rechargeable Li-ion Polymer Battery HB536586EIW-A 3.84V 5170mAh/19.86Wh	
样品编号 Sample NO.	1#-48#		
委托单位 Consignor	飞毛腿（福建）电子有限公司 Scud (Fujian) Electronics Co., Ltd		
生产单位 Manufacturer	飞毛腿（福建）电子有限公司 Scud (Fujian) Electronics Co., Ltd		
检测方法 Test method	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3		
判定标准 Criterion	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3		
样品外观 Appearance	黑色塑料薄膜外壳 Black Plastic Film shell		
样品接受日期 Accepted Date	2025-01-03	检测起迄日期 Test Date	2025-01-03 ~ 2025-01-17
检测项目 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 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Overcharge, Forced discharge		
检测结论 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。 The sample has passed the test items of UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 生效日期(Date): 2025-01-17		
备注 Comment	/		
委托单位地址 Consignor Address	/	邮政编码 Post Code	350015



批准：
Approver:

Handwritten signature

审核：
Checker:

Handwritten signature: 俞峰

编制：
Compiler:

Handwritten signature: 邵玉莲

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Test Report

NO. D250005

(续页)

第 2 页 共 11 页

序号 No.	检测项目名称 Name of Test Items	标准要求或标准条款号 Standard requirement or The Clause Number of Standard	检测结果 Test Result	本项结论 Conclusion	备注 Remark	
1	高度模拟 Altitude simulation	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.1 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.1	见附表1 see Appendix 1	合格 pass	/	
2	热测试 Thermal test	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.2 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.2	见附表2 see Appendix 2	合格 pass	/	
3	振动 Vibration	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.3	见附表3 see Appendix 3	合格 pass	/	
4	冲击 Shock	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.4 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.4	见附表4 see Appendix 4	合格 pass	/	
5	外短路 External short circuit	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.5 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.5	见附表5 see Appendix 5	合格 pass	/	
6	挤压 Crush	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.6 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.6	见附表6 see Appendix 6	合格 pass	/	
7	过充电 Overcharge	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.7 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.7	见附表7 see Appendix 7	合格 pass	/	
8	强制放电 Forced discharge	联合国《试验和标准手册》 ST/SG/AC.10/11/Rev.8 38.3 试验T.8 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 Test T.8	见附表8 see Appendix 8	合格 pass	/	
检测环境条件 Test Environment Condition		环境温度：21℃-25℃；环境湿度：/% Ambient temperature:21℃-25℃;Ambient humidity:/%				
分包检测情况 Subcontracted Test Condition		检测项目 Test Item	/			
		分包实验室 Subcontracted Laboratory	名称 Name	/	邮编 Post Code	/
			地址 Address	/	电话 Tel	/

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(续页)

第 3 页 共 11 页

附表1: 检测结果(Appendix 1:Test Result)

序号 No.	1	检测项目名称 Name of Test Items		高度模拟 Altitude simulation				
		试验前Before		试验后After		质量损失 Mass Loss	剩余电压 Residual OCV	其他现象 Other Event
		质量 Mass/g	开路电压 OCV/V	质量 Mass/g	开路电压 OCV/V			
1	1CYC完全充电 1CYC Fully charged	71.9720	4.418	71.9970	4.417	-0.03%	99.98%	O
2	1CYC完全充电 1CYC Fully charged	71.7757	4.415	71.7952	4.417	-0.03%	100.05%	O
3	1CYC完全充电 1CYC Fully charged	71.5711	4.421	71.5961	4.420	-0.03%	99.98%	O
4	1CYC完全充电 1CYC Fully charged	71.7944	4.419	71.8155	4.419	-0.03%	100.00%	O
5	1CYC完全充电 1CYC Fully charged	71.5243	4.416	71.5493	4.415	-0.03%	99.98%	O
6	25CYC完全充电 25CYC Fully charged	71.7336	4.419	71.7595	4.419	-0.04%	100.00%	O
7	25CYC完全充电 25CYC Fully charged	71.5144	4.418	71.5347	4.418	-0.03%	100.00%	O
8	25CYC完全充电 25CYC Fully charged	71.4784	4.419	71.5019	4.419	-0.03%	100.00%	O
9	25CYC完全充电 25CYC Fully charged	71.7887	4.422	71.8119	4.421	-0.03%	99.98%	O
10	25CYC完全充电 25CYC Fully charged	71.8840	4.419	71.9078	4.418	-0.03%	99.98%	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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NO. D250005

(续页)

第 4 页 共 11 页

附表2: 检测结果(Appendix 2:Test Result)

序号 No.	2	检测项目名称 Name of Test Items		热测试 Thermal test				
样品编号 Sample No.	样品状态 Sample Status	试验前Before		试验后After		质量损失 Mass Loss	剩余电压 Residual OCV	其他现象 Other Event
		质量 Mass/g	开路电压 OCV/V	质量 Mass/g	开路电压 OCV/V			
1	1CYC完全充电 1CYC Fully charged	71.9970	4.417	71.9540	4.363	0.06%	98.78%	O
2	1CYC完全充电 1CYC Fully charged	71.7952	4.417	71.7599	4.356	0.05%	98.62%	O
3	1CYC完全充电 1CYC Fully charged	71.5961	4.420	71.5555	4.369	0.06%	98.85%	O
4	1CYC完全充电 1CYC Fully charged	71.8155	4.419	71.7791	4.369	0.05%	98.87%	O
5	1CYC完全充电 1CYC Fully charged	71.5493	4.415	71.5104	4.359	0.05%	98.73%	O
6	25CYC完全充电 25CYC Fully charged	71.7595	4.419	71.7196	4.368	0.06%	98.85%	O
7	25CYC完全充电 25CYC Fully charged	71.5347	4.418	71.5013	4.365	0.05%	98.80%	O
8	25CYC完全充电 25CYC Fully charged	71.5019	4.419	71.4649	4.364	0.05%	98.76%	O
9	25CYC完全充电 25CYC Fully charged	71.8119	4.421	71.7776	4.378	0.05%	99.03%	O
10	25CYC完全充电 25CYC Fully charged	71.9078	4.418	71.8724	4.368	0.05%	98.87%	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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Test Report

NO. D250005

(续页)

第 5 页 共 11 页

附表3: 检测结果(Appendix 3:Test Result)

序号 No.	3	检测项目名称 Name of Test Items		振动 Vibration				
样品编号 Sample No.	样品状态 Sample Status	试验前Before		试验后After		质量损失 Mass Loss	剩余电压 Residual OCV	其他现象 Other Event
		质量 Mass/g	开路电压 OCV/V	质量 Mass/g	开路电压 OCV/V			
1	1CYC完全充电 1CYC Fully charged	71.9540	4.363	71.9141	4.361	0.06%	99.95%	O
2	1CYC完全充电 1CYC Fully charged	71.7599	4.356	71.7257	4.350	0.05%	99.86%	O
3	1CYC完全充电 1CYC Fully charged	71.5555	4.369	71.5134	4.367	0.06%	99.95%	O
4	1CYC完全充电 1CYC Fully charged	71.7791	4.369	71.7421	4.368	0.05%	99.98%	O
5	1CYC完全充电 1CYC Fully charged	71.5104	4.359	71.4767	4.357	0.05%	99.95%	O
6	25CYC完全充电 25CYC Fully charged	71.7196	4.368	71.6841	4.367	0.05%	99.98%	O
7	25CYC完全充电 25CYC Fully charged	71.5013	4.365	71.4672	4.364	0.05%	99.98%	O
8	25CYC完全充电 25CYC Fully charged	71.4649	4.364	71.4223	4.362	0.06%	99.95%	O
9	25CYC完全充电 25CYC Fully charged	71.7776	4.378	71.7423	4.377	0.05%	99.98%	O
10	25CYC完全充电 25CYC Fully charged	71.8724	4.368	71.8456	4.365	0.04%	99.93%	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.

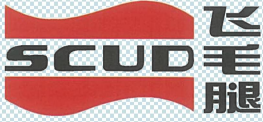
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检测报告

Test Report

NO. D250005

(续页)

第 6 页 共 11 页

附表4：检测结果(Appendix 4:Test Result)

序号 No.	4	检测项目名称 Name of Test Items		冲击 Shock				
样品编号 Sample No.	样品状态 Sample Status	试验前Before		试验后After		质量损失 Mass Loss	剩余电压 Residual OCV	其他现象 Other Event
		质量 Mass/g	开路电压 OCV/V	质量 Mass/g	开路电压 OCV/V			
1	1CYC完全充电 1CYC Fully charged	71.9141	4.361	71.9069	4.360	0.01%	99.98%	O
2	1CYC完全充电 1CYC Fully charged	71.7257	4.350	71.7201	4.350	0.01%	100.00%	O
3	1CYC完全充电 1CYC Fully charged	71.5134	4.367	71.5057	4.366	0.01%	99.98%	O
4	1CYC完全充电 1CYC Fully charged	71.7421	4.368	71.7314	4.368	0.01%	100.00%	O
5	1CYC完全充电 1CYC Fully charged	71.4767	4.357	71.4647	4.357	0.02%	100.00%	O
6	25CYC完全充电 25CYC Fully charged	71.6841	4.367	71.6667	4.366	0.02%	99.98%	O
7	25CYC完全充电 25CYC Fully charged	71.4672	4.364	71.4547	4.364	0.02%	100.00%	O
8	25CYC完全充电 25CYC Fully charged	71.4223	4.362	71.4180	4.361	0.01%	99.98%	O
9	25CYC完全充电 25CYC Fully charged	71.7423	4.377	71.7316	4.376	0.01%	99.98%	O
10	25CYC完全充电 25CYC Fully charged	71.8456	4.365	71.8346	4.364	0.02%	99.98%	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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(续页)

第 7 页 共 11 页

附表5: 检测结果(Appendix 5:Test Result)

序号 No.	5	检测项目名称 Name of Test Items	外短路 External short circuit
样品编号 Sample No.	样品状态 Sample Status	样品表面最高温度 Max. External Temperature /° C	其他现象 Other Event
1	1CYC完全充电 1CYC Fully charged	59.2	O
2	1CYC完全充电 1CYC Fully charged	58.7	O
3	1CYC完全充电 1CYC Fully charged	57.9	O
4	1CYC完全充电 1CYC Fully charged	57.4	O
5	1CYC完全充电 1CYC Fully charged	55.8	O
6	25CYC完全充电 25CYC Fully charged	59.4	O
7	25CYC完全充电 25CYC Fully charged	58.7	O
8	25CYC完全充电 25CYC Fully charged	57.9	O
9	25CYC完全充电 25CYC Fully charged	59.3	O
10	25CYC完全充电 25CYC Fully charged	55.7	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.

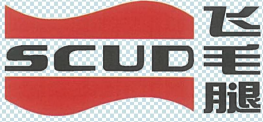
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Test Report

NO. D250005

(续页)

第 8 页 共 11 页

附表6：检测结果(Appendix 6:Test Result)

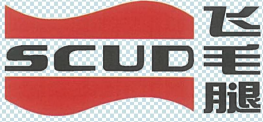
序号 No.	6	检测项目名称 Name of Test Items	挤压 Crush
样品编号 Sample No.	样品状态 Sample Status	样品表面最高温度 Max. External Temperature /° C	其他现象 Other Event
11	1CYC 50%充电 1CYC 50% charged	21.6	O
12	1CYC 50%充电 1CYC 50% charged	21.8	O
13	1CYC 50%充电 1CYC 50% charged	21.8	O
14	1CYC 50%充电 1CYC 50% charged	21.5	O
15	1CYC 50%充电 1CYC 50% charged	21.8	O
16	25CYC 50%充电 25CYC 50% charged	22.1	O
17	25CYC 50%充电 25CYC 50% charged	22.2	O
18	25CYC 50%充电 25CYC 50% charged	22.2	O
19	25CYC 50%充电 25CYC 50% charged	22.2	O
20	25CYC 50%充电 25CYC 50% charged	21.9	O
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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.			

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检测报告

Test Report

NO. D250005

(续页)

第 9 页 共 11 页

附表7：检测结果(Appendix 7:Test Result)

序号 No.	7	检测项目名称 Name of Test Items	过充电 Overcharge
样品编号 Sample No.	样品状态 Sample Status	其他现象 Other Event	
21	1CYC完全充电 1CYC Fully charged	O	
22	1CYC完全充电 1CYC Fully charged	O	
23	1CYC完全充电 1CYC Fully charged	O	
24	1CYC完全充电 1CYC Fully charged	O	
25	25CYC完全充电 25CYC Fully charged	O	
26	25CYC完全充电 25CYC Fully charged	O	
27	25CYC完全充电 25CYC Fully charged	O	
28	25CYC完全充电 25CYC Fully charged	O	
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QA-265-E



飞毛腿(福建)电子有限公司产品检测中心

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NO. D250005

(续页)

第 10 页 共 11 页

附表8：检测结果(Appendix 8:Test Result)

序号 No.	8	检测项目名称 Name of Test Items	强制放电 Forced discharge
样品编号 Sample No.	样品状态 Sample Status	其他现象 Other Event	
29	1CYC完全放电 1CYC Fully discharged	O	
30	1CYC完全放电 1CYC Fully discharged	O	
31	1CYC完全放电 1CYC Fully discharged	O	
32	1CYC完全放电 1CYC Fully discharged	O	
33	1CYC完全放电 1CYC Fully discharged	O	
34	1CYC完全放电 1CYC Fully discharged	O	
35	1CYC完全放电 1CYC Fully discharged	O	
36	1CYC完全放电 1CYC Fully discharged	O	
37	1CYC完全放电 1CYC Fully discharged	O	
38	1CYC完全放电 1CYC Fully discharged	O	
39	25CYC完全放电 25CYC Fully	O	
40	25CYC完全放电 25CYC Fully	O	
41	25CYC完全放电 25CYC Fully	O	
42	25CYC完全放电 25CYC Fully	O	
43	25CYC完全放电 25CYC Fully	O	
44	25CYC完全放电 25CYC Fully	O	
45	25CYC完全放电 25CYC Fully	O	
46	25CYC完全放电 25CYC Fully	O	
47	25CYC完全放电 25CYC Fully	O	
48	25CYC完全放电 25CYC Fully	O	
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.			

QA-265-E

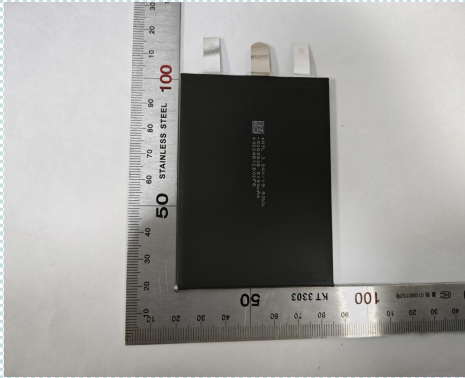
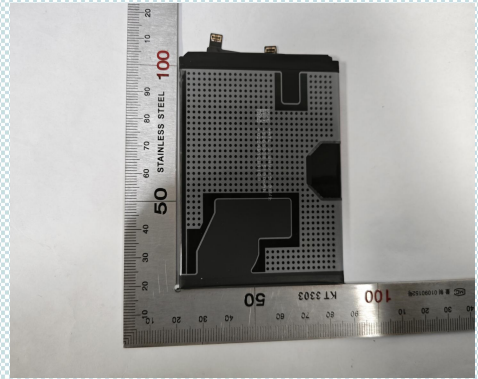


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附表9: 样品照片 (Appendix 9: sample photo)



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QA-265-E