



NO.1121100200

检测报告

Test Report

样品名称: 锂离子聚合物电池 Li3949T44P8h906450-5A 3.85V
4870mAh/18.8Wh (RATED) 5000mAh/19.3Wh (TYPICAL)

Name of Sample: Li-ion Polymer Battery Li3949T44P8h906450-5A 3.85V
4870mAh/18.8Wh (RATED) 5000mAh/19.3Wh (TYPICAL)

委托单位: 中兴通讯股份有限公司

Consignor: /



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 Name of Sample	中文 Chinese	锂离子聚合物电池 Li3949T44P8h906450-5A 3.85V 4870mAh/18.8Wh (RATED) 5000mAh/19.3Wh (TYPICAL)	
	英文 English	Li-ion Polymer Battery Li3949T44P8h906450-5A 3.85V 4870mAh/18.8Wh (RATED) 5000mAh/19.3Wh (TYPICAL)	
样品编号 Sample No.	1121100200		
委托单位 Consignor	中兴通讯股份有限公司 /		
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.7 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3		
判定标准 Criterion	联合国《试验和标准手册》 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 Appearance	银色, 黄色双色 铝塑外壳 Silvery and yellow Aluminum-plastics shell		
样品接受日期 Accepted Date	2021-10-18	检测起迄日期 Test Date	2021-11-02 ~ 2021-11-25
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.7 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.7 Section 38.3 生效日期(Date): 2021-11-26		
备注 Comment	可充电单电芯电池 Rechargeable Single Cell Battery. /		
委托单位地址 Consignor Address	/		邮政编码 Post Code 350015

批准
Approver:
职务
Title:

王宗

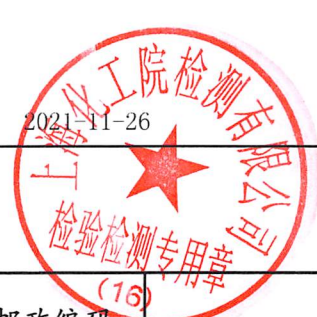
副总工程师 (Vice chief engineer)

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

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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.7 38.3 试验T1 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T1	见附表 1 See Appendix 1	合格 Passed	/	
2	热测试 Thermal test	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T2 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T2	见附表 2 See Appendix 2	合格 Passed	/	
3	振动 Vibration	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T3	见附表 3 See Appendix 3	合格 Passed	/	
4	冲击 Shock	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T4 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T4	见附表 4 See Appendix 4	合格 Passed	/	
5	外短路 External short circuit	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T5 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.5	见附表 5 See Appendix 5	合格 Passed	/	
6	挤压 Crush	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T6 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.6	见附表 6 See Appendix 6	合格 Passed	/	
7	过充电 Overcharge	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T7 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.7	见附表 7 See Appendix 7	合格 Passed	/	
8	强制放电 Forced discharge	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7 38.3 试验T8 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Section 38.3 Test T.8	见附表 8 See Appendix 8	合格 Passed	/	
检测环境条件 Test Environment Condition		环境温度:21℃-22℃;环境湿度:/% Ambient temperature:21℃-22℃;Ambient humidity:/%				
分包检验情况 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	/

上海化工院检测有限公司
检测报告-附表1

Shanghai Institute of Chemical Industry
Testing Co., Ltd. Test Report—Appendix 1

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序号 No.	1	检测项目名称 Name of Test Items		高度模拟 Altitude simulation				
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			
001	1CYC完全充电 1CYC Fully charged	66.7423	4.37	66.7380	4.37	0.01	100.00	○
002	1CYC完全充电 1CYC Fully charged	66.4748	4.37	66.4702	4.37	0.01	100.00	○
003	1CYC完全充电 1CYC Fully charged	65.5798	4.37	65.5755	4.37	0.01	100.00	○
004	1CYC完全充电 1CYC Fully charged	66.7154	4.36	66.7114	4.36	0.01	100.00	○
005	1CYC完全充电 1CYC Fully charged	66.6234	4.37	66.6191	4.37	0.01	100.00	○
006	25CYC完全充电 25CYC Fully charged	66.6473	4.37	66.6433	4.37	0.01	100.00	○
007	25CYC完全充电 25CYC Fully charged	66.7643	4.34	66.7594	4.34	0.01	100.00	○
008	25CYC完全充电 25CYC Fully charged	66.7198	4.37	66.7165	4.37	0.00	100.00	○
009	25CYC完全充电 25CYC Fully charged	66.4823	4.37	66.4781	4.37	0.01	100.00	○
010	25CYC完全充电 25CYC Fully charged	66.5900	4.37	66.5865	4.37	0.01	100.00	○
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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.								

上海化工院检测有限公司

检测报告-附表2

Shanghai Institute of Chemical Industry
Testing Co., Ltd. Test Report—Appendix 2

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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			
001	1CYC完全充电 1CYC Fully charged	66.7380	4.37	66.7360	4.30	0.00	98.40	0		
002	1CYC完全充电 1CYC Fully charged	66.4702	4.37	66.4680	4.30	0.00	98.40	0		
003	1CYC完全充电 1CYC Fully charged	65.5755	4.37	65.5737	4.29	0.00	98.17	0		
004	1CYC完全充电 1CYC Fully charged	66.7114	4.36	66.7094	4.29	0.00	98.39	0		
005	1CYC完全充电 1CYC Fully charged	66.6191	4.37	66.6169	4.30	0.00	98.40	0		
006	25CYC完全充电 25CYC Fully charged	66.6433	4.37	66.6412	4.30	0.00	98.40	0		
007	25CYC完全充电 25CYC Fully charged	66.7594	4.34	66.7572	4.28	0.00	98.62	0		
008	25CYC完全充电 25CYC Fully charged	66.7165	4.37	66.7147	4.30	0.00	98.40	0		
009	25CYC完全充电 25CYC Fully charged	66.4781	4.37	66.4761	4.30	0.00	98.40	0		
010	25CYC完全充电 25CYC Fully charged	66.5865	4.37	66.5841	4.30	0.00	98.40	0		
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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-附表3

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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			
001	1CYC完全充电 1CYC Fully charged	66.7360	4.30	66.7347	4.29	0.00	99.77	0
002	1CYC完全充电 1CYC Fully charged	66.4680	4.30	66.4666	4.29	0.00	99.77	0
003	1CYC完全充电 1CYC Fully charged	65.5737	4.29	65.5722	4.29	0.00	100.00	0
004	1CYC完全充电 1CYC Fully charged	66.7094	4.29	66.7082	4.29	0.00	100.00	0
005	1CYC完全充电 1CYC Fully charged	66.6169	4.30	66.6161	4.29	0.00	99.77	0
006	25CYC完全充电 25CYC Fully charged	66.6412	4.30	66.6404	4.29	0.00	99.77	0
007	25CYC完全充电 25CYC Fully charged	66.7572	4.28	66.7567	4.28	0.00	100.00	0
008	25CYC完全充电 25CYC Fully charged	66.7147	4.30	66.7131	4.30	0.00	100.00	0
009	25CYC完全充电 25CYC Fully charged	66.4761	4.30	66.4754	4.30	0.00	100.00	0
010	25CYC完全充电 25CYC Fully charged	66.5841	4.30	66.5816	4.30	0.00	100.00	0
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备注: L-泄漏 V-漏气 D-解体 R-破裂 F-起火 0-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4

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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			
001	1CYC完全充电 1CYC Fully charged	66.7347	4.29	66.7336	4.29	0.00	100.00	O
002	1CYC完全充电 1CYC Fully charged	66.4666	4.29	66.4657	4.29	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	65.5722	4.29	65.5713	4.29	0.00	100.00	O
004	1CYC完全充电 1CYC Fully charged	66.7082	4.29	66.7070	4.29	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	66.6161	4.29	66.6150	4.29	0.00	100.00	O
006	25CYC完全充电 25CYC Fully charged	66.6404	4.29	66.6394	4.29	0.00	100.00	O
007	25CYC完全充电 25CYC Fully charged	66.7567	4.28	66.7556	4.28	0.00	100.00	O
008	25CYC完全充电 25CYC Fully charged	66.7131	4.30	66.7121	4.30	0.00	100.00	O
009	25CYC完全充电 25CYC Fully charged	66.4754	4.30	66.4746	4.30	0.00	100.00	O
010	25CYC完全充电 25CYC Fully charged	66.5816	4.30	66.5807	4.30	0.00	100.00	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.								

上海化工院检测有限公司
检测报告-附表5

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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
001	1CYC完全充电 1CYC Fully charged	55.7	O
002	1CYC完全充电 1CYC Fully charged	57.7	O
003	1CYC完全充电 1CYC Fully charged	56.5	O
004	1CYC完全充电 1CYC Fully charged	55.6	O
005	1CYC完全充电 1CYC Fully charged	56.4	O
006	25CYC完全充电 25CYC Fully charged	56.4	O
007	25CYC完全充电 25CYC Fully charged	56.1	O
008	25CYC完全充电 25CYC Fully charged	55.7	O
009	25CYC完全充电 25CYC Fully charged	56.8	O
010	25CYC完全充电 25CYC Fully charged	55.6	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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检测报告 - 附表6

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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
011	1CYC 50%容量 1CYC 50% Capacity	20.6	O
012	1CYC 50%容量 1CYC 50% Capacity	20.6	O
013	1CYC 50%容量 1CYC 50% Capacity	20.6	O
014	1CYC 50%容量 1CYC 50% Capacity	20.6	O
015	1CYC 50%容量 1CYC 50% Capacity	20.6	O
016	25CYC 50%容量 25CYC 50% Capacity	20.6	O
017	25CYC 50%容量 25CYC 50% Capacity	20.5	O
018	25CYC 50%容量 25CYC 50% Capacity	20.5	O
019	25CYC 50%容量 25CYC 50% Capacity	20.5	O
020	25CYC 50%容量 25CYC 50% Capacity	20.5	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-附表7
 Shanghai Institute of Chemical Industry
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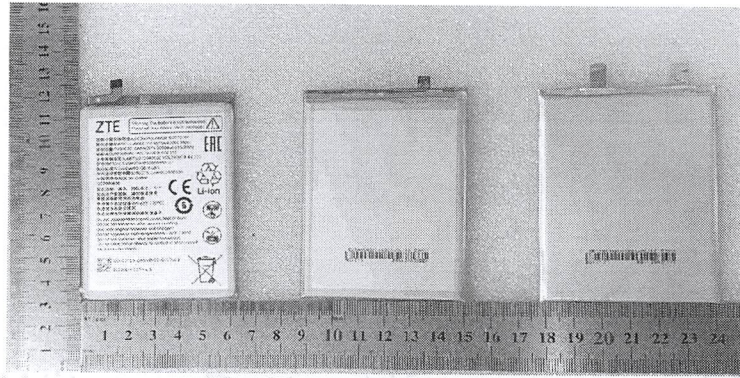
序号 No.	7	检测项目名称 Name of Test Items	过充电 Overcharge
样品编号 Sample No.	样品状态 Sample Status	其他现象 Other Event	
021	1CYC完全充电 1CYC Fully charged		0
022	1CYC完全充电 1CYC Fully charged		0
023	1CYC完全充电 1CYC Fully charged		0
024	1CYC完全充电 1CYC Fully charged		0
025	25CYC完全充电 25CYC Fully charged		0
026	25CYC完全充电 25CYC Fully charged		0
027	25CYC完全充电 25CYC Fully charged		0
028	25CYC完全充电 25CYC Fully charged		0
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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.			

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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	
029	1CYC完全放电 1CYC Fully discharged		O
030	1CYC完全放电 1CYC Fully discharged		O
031	1CYC完全放电 1CYC Fully discharged		O
032	1CYC完全放电 1CYC Fully discharged		O
033	1CYC完全放电 1CYC Fully discharged		O
034	1CYC完全放电 1CYC Fully discharged		O
035	1CYC完全放电 1CYC Fully discharged		O
036	1CYC完全放电 1CYC Fully discharged		O
037	1CYC完全放电 1CYC Fully discharged		O
038	1CYC完全放电 1CYC Fully discharged		O
039	25CYC完全放电 25CYC Fully discharged		O
040	25CYC完全放电 25CYC Fully discharged		O
041	25CYC完全放电 25CYC Fully discharged		O
042	25CYC完全放电 25CYC Fully discharged		O
043	25CYC完全放电 25CYC Fully discharged		O
044	25CYC完全放电 25CYC Fully discharged		O
045	25CYC完全放电 25CYC Fully discharged		O
046	25CYC完全放电 25CYC Fully discharged		O
047	25CYC完全放电 25CYC Fully discharged		O
048	25CYC完全放电 25CYC Fully discharged		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.			



报告结束

