



NO.1124020079

检 测 报 告

Test Report

样品名称： 可充电锂离子电芯 INR21700-50 3.6V 5000mAh 18.0Wh

Name of Sample: Rechargeable Li-ion Cell INR21700-50 3.6V 5000mAh
18.0Wh

委托单位： 自贡市吉欣科技有限公司

Consignor: Zigong Joinsun Technology 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 Name of Sample	中文 Chinese	可充电锂离子电芯 INR21700-50 3.6V 5000mAh 18.0Wh		
	英文 English	Rechargeable Li-ion Cell INR21700-50 3.6V 5000mAh 18.0Wh		
样品编号 Sample No.	1124020079			
委托单位 Consignor	自贡市吉欣科技有限公司 Zigong Joinsun Technology Co., Ltd			
生产单位 Manufacturer	自贡市吉欣科技有限公司 Zigong Joinsun Technology 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&Amend.1 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 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&Amend.1 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3			
样品外观 Appearance	灰色 圆柱型塑料薄膜外壳 Gray Cylinder plastics film shell			
样品接受日期 Accepted Date	2024-02-02		检测起造日期 Test Date	2024-02-21 ~ 2024-03-22
检测项目 Test Items	高度模拟;热测试;振动;冲击;外短路;撞击;强制放电 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Impact, 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&Amend.1 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&Amend.1 Section 38.3 生效日期(Date): 2024-03-22			
备注 Comment	可充电锂电池芯Rechargeable Lithium Cell./			
委托单位地址 Consignor Address	/		邮政编码 Post Code	/

批准
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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&Amend.1 38.3 试验T.1 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.1	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&Amend.1 38.3 试验T.2 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.2	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&Amend.1 38.3 试验T.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.3	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&Amend.1 38.3 试验T.4 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.4	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&Amend.1 38.3 试验T.5 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.5	见附表 5 See Appendix 5	合格 Passed	/
6	撞击 Impact	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7&Amend.1 38.3 试验T.6 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.6	见附表 6 See Appendix 6	合格 Passed	/
7	强制放电 Forced discharge	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7&Amend.1 38.3 试验T.8 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7&Amend.1 Section 38.3 Test T.8	见附表 7 See Appendix 7	合格 Passed	/
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检测环境条件 Test Environment Condition		环境温度:20℃;环境湿度:/% Ambient temperature:20℃, 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

检测报告-附表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	68.6450	4.15	68.6422	4.15	0.00	100.00	O
002	1CYC完全充电 1CYC Fully charged	68.8448	4.15	68.8379	4.15	0.01	100.00	O
003	1CYC完全充电 1CYC Fully charged	68.7328	4.16	68.7280	4.16	0.01	100.00	O
004	1CYC完全充电 1CYC Fully charged	68.7088	4.16	68.7086	4.16	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	68.8168	4.14	68.8142	4.14	0.00	100.00	O
006	25CYC完全充电 25CYC Fully charged	68.7327	4.16	68.7272	4.16	0.01	100.00	O
007	25CYC完全充电 25CYC Fully charged	68.7061	4.14	68.7008	4.14	0.01	100.00	O
008	25CYC完全充电 25CYC Fully charged	68.9209	4.16	68.9145	4.16	0.01	100.00	O
009	25CYC完全充电 25CYC Fully charged	68.8685	4.15	68.8629	4.15	0.01	100.00	O
010	25CYC完全充电 25CYC Fully charged	68.6935	4.14	68.6916	4.14	0.00	100.00	O
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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	68.6452	4.11	68.6412	4.11	0.01	100.00	O
002	1CYC完全充电 1CYC Fully charged	68.8447	4.11	68.8441	4.10	0.00	99.76	O
003	1CYC完全充电 1CYC Fully charged	68.7322	4.11	68.7263	4.11	0.01	100.00	O
004	1CYC完全充电 1CYC Fully charged	68.7090	4.11	68.7057	4.10	0.00	99.76	O
005	1CYC完全充电 1CYC Fully charged	68.8171	4.11	68.8137	4.11	0.00	100.00	O
006	25CYC完全充电 25CYC Fully charged	68.7327	4.11	68.7271	4.10	0.01	99.76	O
007	25CYC完全充电 25CYC Fully charged	68.7054	4.10	68.7049	4.10	0.00	100.00	O
008	25CYC完全充电 25CYC Fully charged	68.9206	4.11	68.9137	4.10	0.01	99.76	O
009	25CYC完全充电 25CYC Fully charged	68.8688	4.11	68.8673	4.10	0.00	99.76	O
010	25CYC完全充电 25CYC Fully charged	68.6932	4.10	68.6887	4.10	0.01	100.00	O
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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	129.1	O
002	1CYC完全充电 1CYC Fully charged	107.5	O
003	1CYC完全充电 1CYC Fully charged	126.1	O
004	1CYC完全充电 1CYC Fully charged	119.9	O
005	1CYC完全充电 1CYC Fully charged	112.6	O
006	25CYC完全充电 25CYC Fully charged	123.1	O
007	25CYC完全充电 25CYC Fully charged	131.7	O
008	25CYC完全充电 25CYC Fully charged	120.3	O
009	25CYC完全充电 25CYC Fully charged	112.9	O
010	25CYC完全充电 25CYC Fully charged	107.7	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.			

检测报告-附表6

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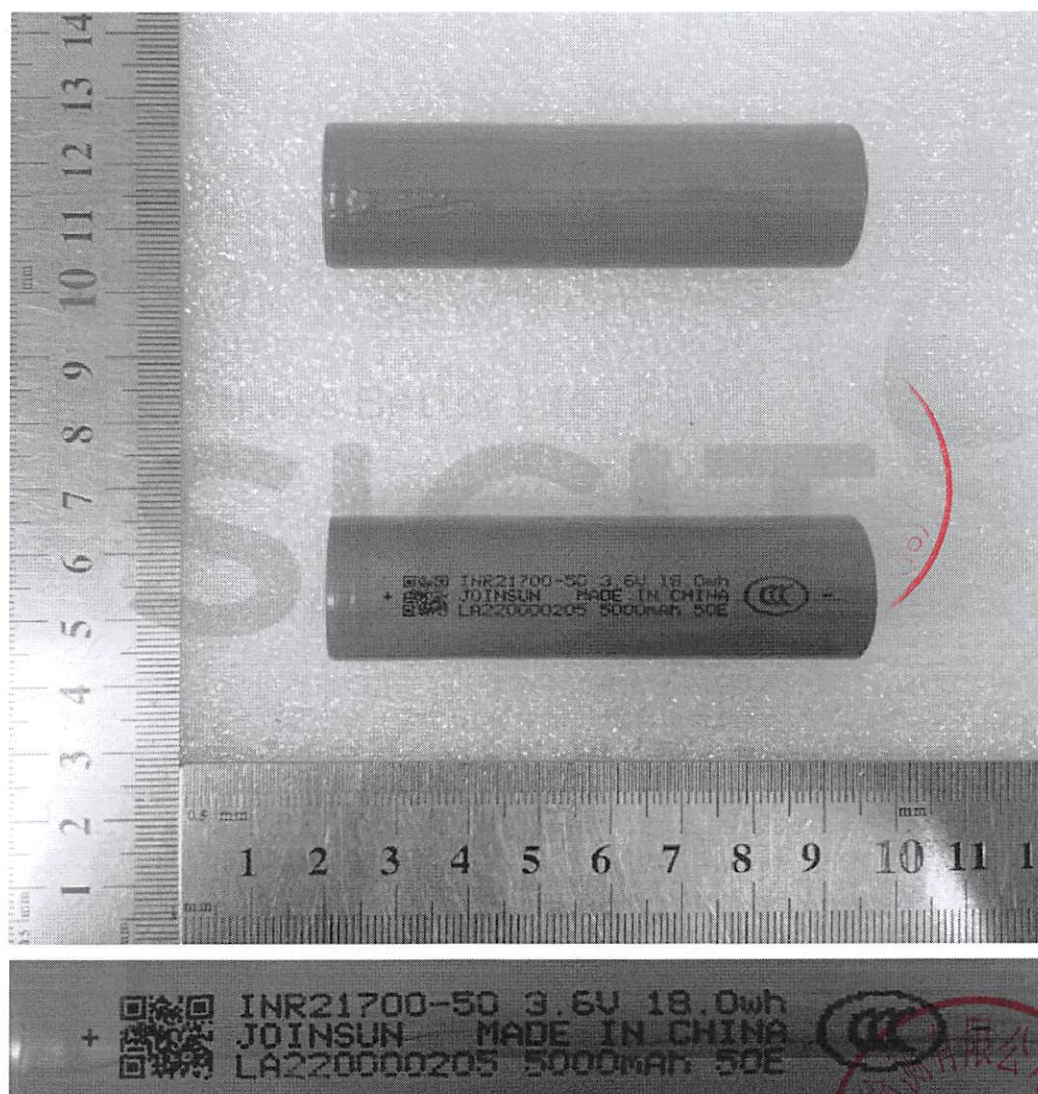
上海化工院检测有限公司
检测报告-附表7

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序号 No.	7	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	
021	1CYC完全放电 1CYC Fully discharged	O	
022	1CYC完全放电 1CYC Fully discharged	O	
023	1CYC完全放电 1CYC Fully discharged	O	
024	1CYC完全放电 1CYC Fully discharged	O	
025	1CYC完全放电 1CYC Fully discharged	O	
026	1CYC完全放电 1CYC Fully discharged	O	
027	1CYC完全放电 1CYC Fully discharged	O	
028	1CYC完全放电 1CYC Fully discharged	O	
029	1CYC完全放电 1CYC Fully discharged	O	
030	1CYC完全放电 1CYC Fully discharged	O	
031	25CYC完全放电 25CYC Fully discharged	O	
032	25CYC完全放电 25CYC Fully discharged	O	
033	25CYC完全放电 25CYC Fully discharged	O	
034	25CYC完全放电 25CYC Fully discharged	O	
035	25CYC完全放电 25CYC Fully discharged	O	
036	25CYC完全放电 25CYC Fully discharged	O	
037	25CYC完全放电 25CYC Fully discharged	O	
038	25CYC完全放电 25CYC Fully discharged	O	
039	25CYC完全放电 25CYC Fully discharged	O	
040	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