



中国认可
检测
TESTING
CNAS L0748



NO.1124080272

检 测 报 告

Test Report

样品名称： 圆柱形锂离子可充电电池 21700 3.7V 3000mAh 11.1Wh

Name of Sample: Cylindrical Lithium-ion Rechargeable Cell 21700
3.7V 3000mAh 11.1Wh

委托单位： 河南恒一锂电科技有限公司

Consignor: Henan Hengyi Li Neng technology Co., Ltd.



上海化工院检测有限公司

Shanghai Institute of Chemical Industry Testing Co., Ltd.

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检测报告

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样品名称 Name of Sample	中文 Chinese	圆柱形锂离子可充电电池 21700 3.7V 3000mAh 11.1Wh	
	英文 English	Cylindrical Lithium-ion Rechargeable Cell 21700 3.7V 3000mAh 11.1Wh	
样品编号 Sample No.	1124080272		
委托单位 Consignor	河南恒一锂电科技有限公司 Henan Hengyi Li Neng technology Co., Ltd.		
生产单位 Manufacturer	河南恒一锂电科技有限公司 Henan Hengyi Li Neng 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.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	橙色 圆柱型塑料薄膜外壳 Orange Cylinder plastics film shell		
样品接受日期 Accepted Date	2024-08-12	检测起始日期 Test Date	2024-08-16 ~ 2024-09-20
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.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): 2024-09-20		
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
Approver:
职务
Title:

许彪

审核
Checker:

丁小

编制
Compiler:

傅俊

新能源安全部部长(Head of New Energy Safety Department)



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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.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 Passed	/
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 Passed	/
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 Passed	/
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 Passed	/
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 Passed	/
6	撞击 Impact	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 Passed	/
7	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 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℃-25℃;环境湿度:/% Ambient temperature:20℃-25℃;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

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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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	70.1602	4.06	70.1600	4.06	0.00	100.00	O
002	1CYC完全充电 1CYC Fully charged	70.2552	4.06	70.2555	4.06	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	69.9175	4.07	69.9175	4.06	0.00	99.75	O
004	1CYC完全充电 1CYC Fully charged	69.5729	4.06	69.5724	4.06	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	70.4930	4.06	70.4933	4.06	0.00	100.00	O
006	25CYC完全充电 25CYC Fully charged	70.1258	4.06	70.1260	4.06	0.00	100.00	O
007	25CYC完全充电 25CYC Fully charged	69.7882	4.06	69.7880	4.06	0.00	100.00	O
008	25CYC完全充电 25CYC Fully charged	69.9808	4.06	69.9816	4.06	0.00	100.00	O
009	25CYC完全充电 25CYC Fully charged	70.5161	4.06	70.5169	4.06	0.00	100.00	O
010	25CYC完全充电 25CYC Fully charged	70.5476	4.06	70.5476	4.06	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.

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	70.1600	4.06	70.1587	4.05	0.00	99.75	O
002	1CYC完全充电 1CYC Fully charged	70.2555	4.06	70.2539	4.06	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	69.9175	4.06	69.9156	4.05	0.00	99.75	O
004	1CYC完全充电 1CYC Fully charged	69.5724	4.06	69.5718	4.06	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	70.4933	4.06	70.4911	4.05	0.00	99.75	O
006	25CYC完全充电 25CYC Fully charged	70.1260	4.06	70.1260	4.06	0.00	100.00	O
007	25CYC完全充电 25CYC Fully charged	69.7880	4.06	69.7868	4.05	0.00	99.75	O
008	25CYC完全充电 25CYC Fully charged	69.9816	4.06	69.9805	4.06	0.00	100.00	O
009	25CYC完全充电 25CYC Fully charged	70.5169	4.06	70.5146	4.06	0.00	100.00	O
010	25CYC完全充电 25CYC Fully charged	70.5476	4.06	70.5454	4.06	0.00	100.00	O
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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 /℃	其他现象 Other Event
001	1CYC完全充电 1CYC Fully charged	85.1	O
002	1CYC完全充电 1CYC Fully charged	88.9	O
003	1CYC完全充电 1CYC Fully charged	81.4	O
004	1CYC完全充电 1CYC Fully charged	76.8	O
005	1CYC完全充电 1CYC Fully charged	76.9	O
006	25CYC完全充电 25CYC Fully charged	76.9	O
007	25CYC完全充电 25CYC Fully charged	80.4	O
008	25CYC完全充电 25CYC Fully charged	85.5	O
009	25CYC完全充电 25CYC Fully charged	85.5	O
010	25CYC完全充电 25CYC Fully charged	93.1	O
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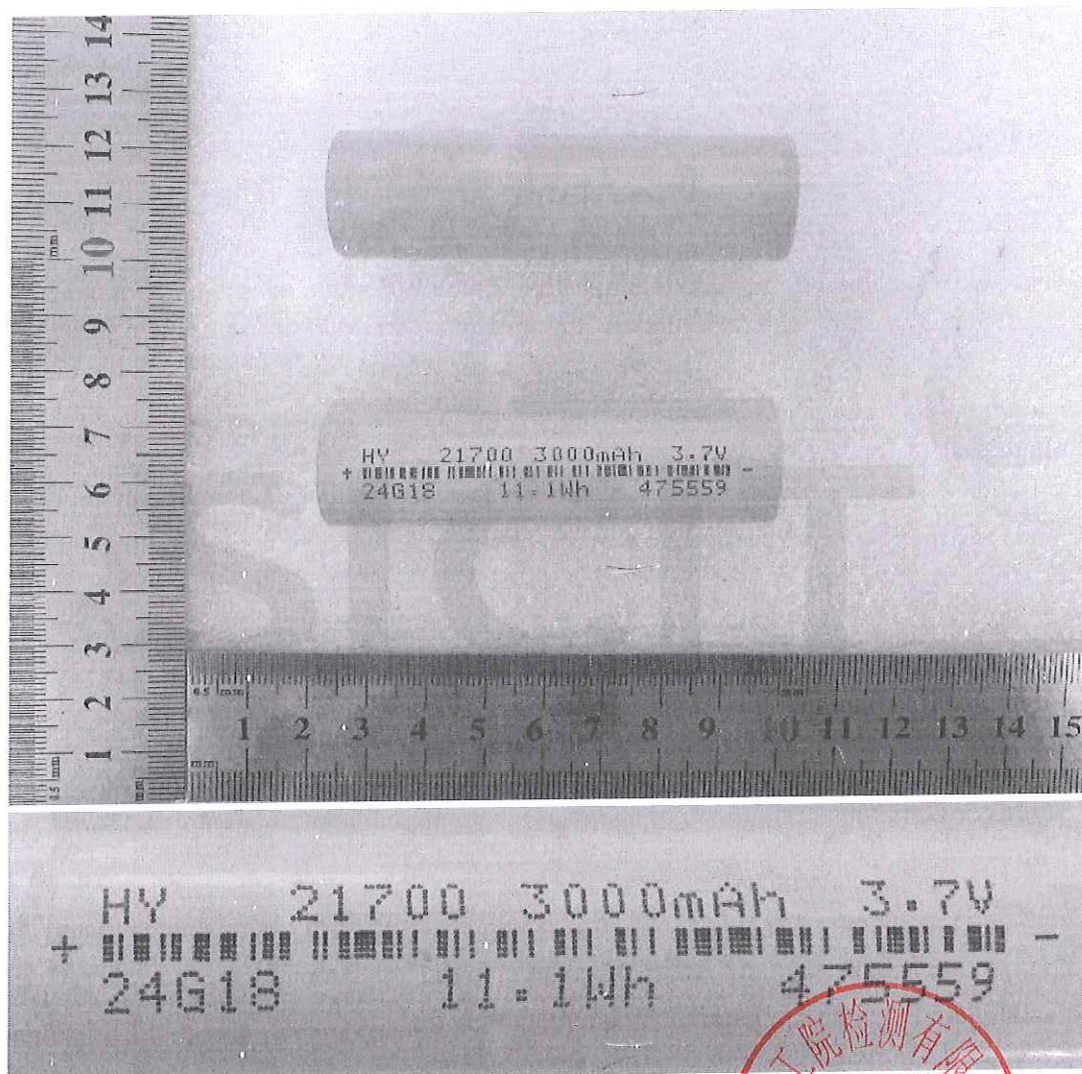
备注：D-解体 R-破裂 F-起火 O-无解体、无起火、无破裂。
Note: D-Disassembly R-Ruptur F-Fire O-No Disassembly,No Fire & No Rupture.

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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