



NO.1125020255

检 测 报 告

Test Report

样品名称： 圆柱形可充电锂离子电芯 IMR18650-1200mAh 3.7V
1200mAh 4.44Wh

Name of Sample: Cylindrical lithium-ion rechargeable cell
IMR18650-1200mAh 3.7V 1200mAh 4.44Wh

委托单位:

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
Testing Co., Ltd. Test Report

NO. 1125020255

1/10

样品名称 Name of Sample	中文 Chinese	圆柱形可充电锂离子电芯 IMR18650-1200mAh 3.7V 1200mAh 4.44Wh		
	英文 English	Cylindrical lithium-ion rechargeable cell IMR18650-1200mAh 3.7V 1200mAh 4.44Wh		
样品编号 Sample No.	1125020255			
委托单位 Consignor				
生产单位 Manufacturer				
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	紫色 圆柱型塑料薄膜外壳 Violet Cylinder plastics film shell			
样品接受日期 Accepted Date	2025-02-13		检测起迄日期 Test Date	2025-02-19 ~ 2025-03-20
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): 2025-03-24			
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	518103

批准
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上海化工院检测有限公司

检测报告

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

NO. 1125020255

2/10

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

检测报告-附表1

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

NO. 1125020255

3/10

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	34.6559	4.16	34.6541	4.15	0.01	99.76	O
002	1CYC完全充电 1CYC Fully charged	34.7670	4.16	34.7659	4.16	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	34.5224	4.16	34.5200	4.15	0.01	99.76	O
004	1CYC完全充电 1CYC Fully charged	34.6376	4.16	34.6352	4.16	0.01	100.00	O
005	1CYC完全充电 1CYC Fully charged	34.7146	4.16	34.7124	4.15	0.01	99.76	O
006	25CYC完全充电 25CYC Fully charged	34.5937	4.16	34.5924	4.16	0.00	100.00	O
007	25CYC完全充电 25CYC Fully charged	34.9277	4.16	34.9260	4.15	0.00	99.76	O
008	25CYC完全充电 25CYC Fully charged	34.5265	4.16	34.5261	4.16	0.00	100.00	O
009	25CYC完全充电 25CYC Fully charged	34.6372	4.16	34.6363	4.15	0.00	99.76	O
010	25CYC完全充电 25CYC Fully charged	34.5263	4.16	34.5245	4.16	0.01	100.00	O
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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3

Shanghai Institute of Chemical Industry

NO. 1125020255

5/10

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检测报告-附表4

Shanghai Institute of Chemical Industry
Testing Co., Ltd. Test Report—Appendix 4

NO. 1125020255

6/10

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检测报告-附表5

NO. 1125020255

7/10

[illegible]

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
Testing Co., Ltd. Test Report — Appendix 7

NO. 1125020255

9/10

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