



NO.1121120364

检测报告

Test Report

样品名称： 锂离子聚合物电池/二次锂电池组 ND40 3.89V
3900mAh/15.2Wh (RATED) 4020mAh/15.7Wh (TYPICAL)

Name of Sample: RECHARGEABL LITHIUM ION POLYMER BATTERY ND40 3.89V
3900mAh/15.2Wh (RATED) 4020mAh/15.7Wh (TYPICAL)

委托单位： 飞毛腿（福建）电子有限公司

Consignor: SCUD (Fujian) Electronics 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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样品名称 Name of Sample	中文 Chinese	锂离子聚合物电池/二次锂电池组 ND40 3.89V 3900mAh/15.2Wh (RATED) 4020mAh/15.7Wh (TYPICAL)			
	英文 English	RECHARGEABLE LITHIUM ION POLYMER BATTERY ND40 3.89V 3900mAh/15.2Wh (RATED) 4020mAh/15.7Wh (TYPICAL)			
样品编号 Sample No.	1121120364				
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.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	2021-12-12	检测起迄日期 Test Date	2021-12-21 ~ 2022-01-06		
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): 2022-01-11				
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:

审核
Checker:

编制
Compiler:

王景
副总工程师(Vice chief engineer)



上海化工院检测有限公司

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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

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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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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	52.0162	4.34	52.0174	4.33	0.00	99.77	O
002	1CYC完全充电 1CYC Fully charged	52.2352	4.35	52.2374	4.35	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	52.2426	4.34	52.2456	4.33	0.00	99.77	O
004	1CYC完全充电 1CYC Fully charged	52.4835	4.36	52.4854	4.35	0.00	99.77	O
005	1CYC完全充电 1CYC Fully charged	52.1742	4.36	52.1757	4.35	0.00	99.77	O
006	25CYC完全充电 25CYC Fully charged	52.0809	4.36	52.0827	4.35	0.00	99.77	O
007	25CYC完全充电 25CYC Fully charged	52.5796	4.36	52.5817	4.35	0.00	99.77	O
008	25CYC完全充电 25CYC Fully charged	52.1768	4.36	52.1796	4.35	0.00	99.77	O
009	25CYC完全充电 25CYC Fully charged	52.0761	4.34	52.0791	4.33	0.00	99.77	O
010	25CYC完全充电 25CYC Fully charged	51.9100	4.36	51.9152	4.35	0.00	99.77	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	55.7	O
002	1CYC完全充电 1CYC Fully charged	57.7	O
003	1CYC完全充电 1CYC Fully charged	57.4	O
004	1CYC完全充电 1CYC Fully charged	56.7	O
005	1CYC完全充电 1CYC Fully charged	56.0	O
006	25CYC完全充电 25CYC Fully charged	56.5	O
007	25CYC完全充电 25CYC Fully charged	56.9	O
008	25CYC完全充电 25CYC Fully charged	56.6	O
009	25CYC完全充电 25CYC Fully charged	56.3	O
010	25CYC完全充电 25CYC Fully charged	55.3	O
以下空白	This space intentionally left blank		

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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上海化工院检测有限公司
检 测 报 告 - 附表8
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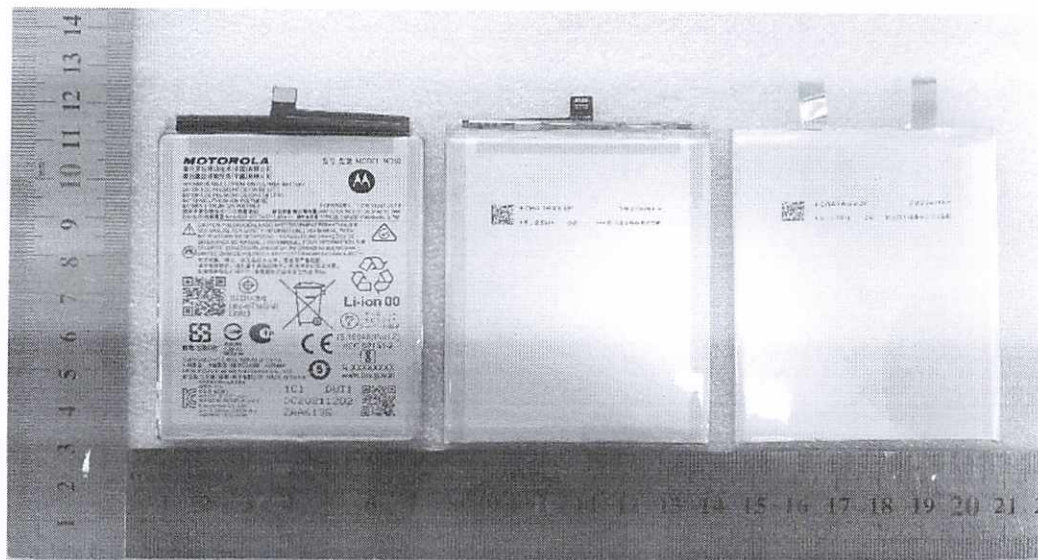
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序号 No.	8	检测项目名称 Name of Test Items	强制放电 Forced discharge
样品编号 Sample No.	样品状态 Sample Status	其他现象 Other Event	
029	1CYC完全放电 1CYC Fully discharged	O	
030	1CYC完全放电 1CYC Fully discharged	O	
031	1CYC完全放电 1CYC Fully discharged	O	
032	1CYC完全放电 1CYC Fully 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.			

上海化工院检测有限公司
检测报告-附图
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+CA416483P 3920mAh-
15.25Wh 05 MKG1446002DE

报告结束

