中国认可
检测
TESTING
CNAS L0748

230014349552

NO.1124050745

检 测 报 告

Test Report

样品名称：	锂离子电池/可充式鋰離子電池組 G526Q 3.90V 5000mAh 19.5Wh
Name of Sample:	Rechargeable Li-ion Battery G526Q 3.90V 5000mAh 19.5Wh
委托单位:	欣旺达电子股份有限公司
Consignor:	SUNWODA Electronic 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 Testing Co., Ltd. Test Report

NO. 1124050745

样品名称 Name of Sample	中文 Chinese	锂离子电池/可充式鋰離子電池組 G526Q 3.90V 5000mAh 19.5Wh		
	英文 English	Rechargeable Li-ion Battery G526Q 3.90V 5000mAh 19.5Wh		
样品编号 Sample No.	1124050745			
委托单位 Consignor	欣旺达电子股份有限公司 SUNWODA Electronic Co., Ltd.			
生产单位 Manufacturer	欣旺达越南有限公司 SUNWODA VIETNAM COMPANY LIMITED			
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	黑色 塑料薄膜外壳 Black Plastic film shell			
样品接受日期 Accepted Date	2024-05-31	检测起迄日期 Test Date	2024-06-06 ～ 2024-06-25	
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.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)： 2024-06-26			
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	518108	

批准 Approver: 许钰　　审核 Checker: 丁乐安　　编制 Compiler: 周欣

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

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.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	挤压 Crush	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	过充电 Overcharge	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3 试验T.7 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 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.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 8 See Appendix 8	合格 Passed	/

检测环境条件 Test Environment Condition	环境温度:20℃-24℃;环境湿度:/% Ambient temperature:20℃-24℃;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

NO. 1124050745

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	63.9989	4.47	63.9977	4.47	0.00	100.00	O
002	1CYC完全充电 1CYC Fully charged	63.6432	4.47	63.6424	4.47	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	63.7378	4.47	63.7365	4.46	0.00	99.78	O
004	1CYC完全充电 1CYC Fully charged	63.8278	4.44	63.8262	4.44	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	63.8231	4.46	63.8217	4.45	0.00	99.78	O
006	25CYC完全充电 25CYC Fully charged	63.7539	4.47	63.7527	4.46	0.00	99.78	O
007	25CYC完全充电 25CYC Fully charged	63.7334	4.44	63.7321	4.44	0.00	100.00	O
008	25CYC完全充电 25CYC Fully charged	63.6919	4.47	63.6907	4.46	0.00	99.78	O
009	25CYC完全充电 25CYC Fully charged	63.9182	4.47	63.9165	4.47	0.00	100.00	O
010	25CYC完全充电 25CYC Fully charged	63.6448	4.48	63.6436	4.47	0.00	99.78	O
以下空白	This space intentionally left blank							

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

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	63.9977	4.47	63.9999	4.40	0.00	98.43	O
002	1CYC完全充电 1CYC Fully charged	63.6424	4.47	63.6433	4.40	0.00	98.43	O
003	1CYC完全充电 1CYC Fully charged	63.7365	4.46	63.7383	4.40	0.00	98.65	O
004	1CYC完全充电 1CYC Fully charged	63.8262	4.44	63.8275	4.38	0.00	98.65	O
005	1CYC完全充电 1CYC Fully charged	63.8217	4.45	63.8234	4.40	0.00	98.88	O
006	25CYC完全充电 25CYC Fully charged	63.7527	4.46	63.7550	4.40	0.00	98.65	O
007	25CYC完全充电 25CYC Fully charged	63.7321	4.44	63.7344	4.39	0.00	98.87	O
008	25CYC完全充电 25CYC Fully charged	63.6907	4.46	63.6931	4.40	0.00	98.65	O
009	25CYC完全充电 25CYC Fully charged	63.9165	4.47	63.9190	4.40	0.00	98.43	O
010	25CYC完全充电 25CYC Fully charged	63.6436	4.47	63.6456	4.40	0.00	98.43	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	63.9999	4.40	64.0017	4.39	0.00	99.77	O
002	1CYC完全充电 1CYC Fully charged	63.6433	4.40	63.6459	4.40	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	63.7383	4.40	63.7410	4.40	0.00	100.00	O
004	1CYC完全充电 1CYC Fully charged	63.8275	4.38	63.8296	4.38	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	63.8234	4.40	63.8258	4.39	0.00	99.77	O
006	25CYC完全充电 25CYC Fully charged	63.7550	4.40	63.7568	4.40	0.00	100.00	O
007	25CYC完全充电 25CYC Fully charged	63.7344	4.39	63.7354	4.39	0.00	100.00	O
008	25CYC完全充电 25CYC Fully charged	63.6931	4.40	63.6942	4.40	0.00	100.00	O
009	25CYC完全充电 25CYC Fully charged	63.9190	4.40	63.9206	4.40	0.00	100.00	O
010	25CYC完全充电 25CYC Fully charged	63.6456	4.40	63.6470	4.40	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
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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	64.0017	4.39	63.9996	4.39	0.00	100.00	O
002	1CYC完全充电 1CYC Fully charged	63.6459	4.40	63.6444	4.40	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	63.7410	4.40	63.7391	4.39	0.00	99.77	O
004	1CYC完全充电 1CYC Fully charged	63.8296	4.38	63.8274	4.37	0.00	99.77	O
005	1CYC完全充电 1CYC Fully charged	63.8258	4.39	63.8255	4.39	0.00	100.00	O
006	25CYC完全充电 25CYC Fully charged	63.7568	4.40	63.7567	4.39	0.00	99.77	O
007	25CYC完全充电 25CYC Fully charged	63.7354	4.39	63.7347	4.39	0.00	100.00	O
008	25CYC完全充电 25CYC Fully charged	63.6942	4.40	63.6936	4.39	0.00	99.77	O
009	25CYC完全充电 25CYC Fully charged	63.9206	4.40	63.9197	4.40	0.00	100.00	O
010	25CYC完全充电 25CYC Fully charged	63.6470	4.40	63.6453	4.39	0.00	99.77	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
Shanghai Institute of Chemical Industry
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NO. 1124050745

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	56.6	O
002	1CYC完全充电 1CYC Fully charged	56.0	O
003	1CYC完全充电 1CYC Fully charged	56.3	O
004	1CYC完全充电 1CYC Fully charged	57.5	O
005	1CYC完全充电 1CYC Fully charged	56.0	O
006	25CYC完全充电 25CYC Fully charged	56.9	O
007	25CYC完全充电 25CYC Fully charged	56.5	O
008	25CYC完全充电 25CYC Fully charged	57.5	O
009	25CYC完全充电 25CYC Fully charged	57.8	O
010	25CYC完全充电 25CYC Fully charged	57.1	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.	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 /℃	其他现象 Other Event
011	1CYC 50%容量 1CYC 50% Capacity	24.0	O
012	1CYC 50%容量 1CYC 50% Capacity	24.3	O
013	1CYC 50%容量 1CYC 50% Capacity	24.4	O
014	1CYC 50%容量 1CYC 50% Capacity	24.4	O
015	1CYC 50%容量 1CYC 50% Capacity	24.3	O
016	25CYC 50%容量 25CYC 50% Capacity	24.8	O
017	25CYC 50%容量 25CYC 50% Capacity	24.1	O
018	25CYC 50%容量 25CYC 50% Capacity	24.3	O
019	25CYC 50%容量 25CYC 50% Capacity	24.8	O
020	25CYC 50%容量 25CYC 50% Capacity	24.3	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.

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	O	
022	1CYC完全充电 1CYC Fully charged	O	
023	1CYC完全充电 1CYC Fully charged	O	
024	1CYC完全充电 1CYC Fully charged	O	
025	25CYC完全充电 25CYC Fully charged	O	
026	25CYC完全充电 25CYC Fully charged	O	
027	25CYC完全充电 25CYC Fully charged	O	
028	25CYC完全充电 25CYC Fully charged	O	
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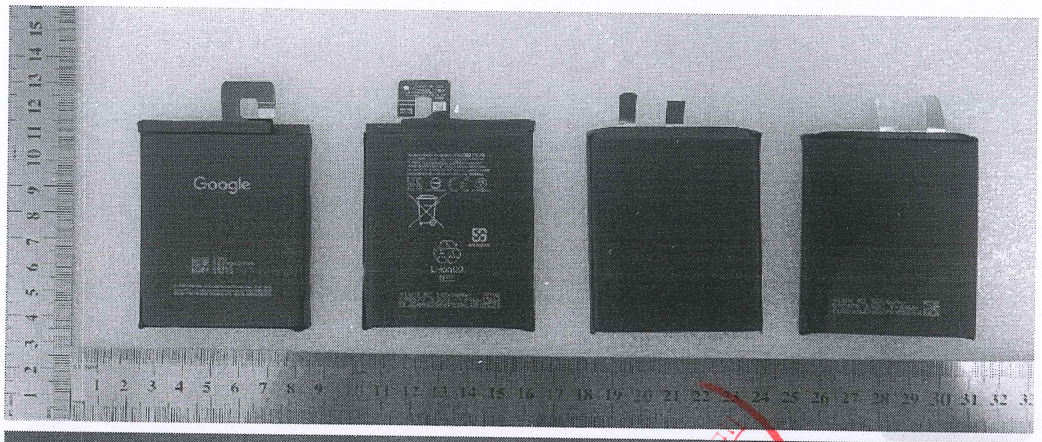
备注：D-解体 F-起火 O-无解体、无起火。
Note: D-Disassembly F-Fire O-No Disassembly & No Fire.

上海化工院检测有限公司
检 测 报 告－附表8
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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.


Google


+LWH H2 5051mAh-
595978 3.90V 19.69Wh
EUB240422027510B044


Rechargeable Li-ion Battery 可充式鋰離子電池組
Model/型號: G526Q Typical Capacity: 5100mAh/
19.89Wh Nominal Voltage and Rated Capacity/
標稱電壓和額定電容量: 3.90V⎓5000mAh/19.5Wh
(1ICP6/60/78) SUNWODA VIET NAM COMPANY LIMITED
欣旺達越南有限公司 Made in Vietnam 越南製造
UK CA
R39121 5000mAh
PS E
グーグル合同会社

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