CNAS
检 测
CNAS L0748

NO.1116060206

检 验 报 告

Test Report

样品名称： 锂聚合物电池 BL265 3.85V 3000mAh 11.6Wh

Name of Sample: Li-ion Polymer Battery/Polimer Li-ion Baterai BL265 3.85V 3000mAh 11.6Wh

委托单位: 飞毛腿（福建）电子有限公司

Consignor: SCUD(FUJIAN)ELECTRONICS CO.,Ltd

上海化工研究院检测中心

Shanghai Research Institute of Chemical Industry Testing Centre

上海化工研究院检测中心
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SRICI Testing Centre Test Report

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样品名称 Name of Sample	中文 Chinese	锂聚合物电池 BL265 3.85V 3000mAh 11.6Wh		
	英文 English	Li-ion Polymer Battery/Polimer Li-ion Baterai BL265 3.85V 3000mAh 11.6Wh		
样品编号 Sample No.	1116060206			
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			
检验方法 Test method	联合国《关于危险货物运输的建议书 试验和标准手册》 ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3			
判定标准 Criterion	联合国《关于危险货物运输的建议书 试验和标准手册》 ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3			
样品外观 Appearance	银黑双色铝塑外壳 Silver and black Aluminum-plastics shell			
样品接受日期 Accepted Date	2016-06-23	检测起迄日期 Test Date	2016-06-24 ~ 2016-07-19	
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			
检验结论 Conclusion	经检验，该样品符合联合国《关于危险货物运输的建议书 试验和标准手册》 ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3标准要求。 The sample has passed the test items of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3. 生效日期(Date): 2016-07-20			
备注 Comment	可充电单电芯电池Rechargeable Single Cell Battery. 本报告中T1~T5、T8为广州邦禾检测技术有限公司分包。			
委托单位地址 Consignor Address	/	邮政编码 Post Code		

批准 Approver: 张小欣　　审核 Checker: 王泉　　编制 Compiler: 夏洁

职务 Title: 副总工程师(Vice chief engineer)

上海化工研究院检测中心
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序号 No.	检验项目名称 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《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.1 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 38.3 Test T.1	见附表1 See Appendix 1	合格 Passed	/
2	热测试 Thermal test	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.2 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 38.3 Test T.2	见附表2 See Appendix 2	合格 Passed	/
3	振动 Vibration	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.3 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 38.3 Test T.3	见附表3 See Appendix 3	合格 Passed	/
4	冲击 Shock	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.4 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 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《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.5 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 38.3 Test T.5	见附表5 See Appendix 5	合格 Passed	/
6	挤压 Crush	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3 试验 T.6 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1&Amend.2 38.3 Test T.6	见附表6 See Appendix 6	合格 Passed	/
7	过充电 Overcharge	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.7 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 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《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.5/Amend.1 38.3 试验 T.8 UN Manual of Tests and Criteria Section ST/SG/AC.10/11/Rev.5/Amend.1 38.3 Test T.8	见附表8 See Appendix 8	合格 Passed	/

检验环境条件 Test Environment Condition	环境温度:19℃-20℃;环境湿度:58%-68% Ambient temperature:19℃-20℃;Ambient humidity:58%-68%;				
分包检验情况 Subcontracted Test Condition	检验项目 Test Item	高度模拟、热测试、振动、冲击、外短路、强制放电 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Forced discharge			
	分包实验室 Subcontracted Laboratory	名称 Name	广州邦禾检测技术有限公司	邮编 Post Code	511440
		地址 Address	广州市番禺区市广路钟三路段13号之一	电话 Tel	020-34777662

上海化工研究院检测中心

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NO. 1116060206

序号 No.	1	检验项目名称 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	42.715	4.38	42.708	4.37	0.02	99.77	O
002	1CYC完全充电 1CYC Fully charged	42.606	4.38	42.599	4.37	0.02	99.77	O
003	1CYC完全充电 1CYC Fully charged	42.669	4.38	42.664	4.38	0.01	100.00	O
004	1CYC完全充电 1CYC Fully charged	42.875	4.38	42.868	4.38	0.02	100.00	O
005	1CYC完全充电 1CYC Fully charged	42.715	4.38	42.708	4.38	0.02	100.00	O
006	1CYC完全充电 1CYC Fully charged	42.630	4.38	42.624	4.38	0.01	100.00	O
007	1CYC完全充电 1CYC Fully charged	42.716	4.38	42.709	4.37	0.02	99.77	O
008	1CYC完全充电 1CYC Fully charged	42.719	4.38	42.714	4.38	0.01	100.00	O
009	1CYC完全充电 1CYC Fully charged	42.605	4.38	42.601	4.38	0.01	100.00	O
010	1CYC完全充电 1CYC Fully charged	42.764	4.38	42.760	4.38	0.01	100.00	O
以下空	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.

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序号 No.	2	检验项目名称 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	42.708	4.37	42.715	4.28	0.00	97.94	O
002	1CYC完全充电 1CYC Fully charged	42.599	4.37	42.608	4.28	0.00	97.94	O
003	1CYC完全充电 1CYC Fully charged	42.664	4.38	42.672	4.28	0.00	97.72	O
004	1CYC完全充电 1CYC Fully charged	42.868	4.38	42.879	4.28	0.00	97.72	O
005	1CYC完全充电 1CYC Fully charged	42.708	4.38	42.718	4.28	0.00	97.72	O
006	1CYC完全充电 1CYC Fully charged	42.624	4.38	42.633	4.28	0.00	97.72	O
007	1CYC完全充电 1CYC Fully charged	42.709	4.37	42.719	4.28	0.00	97.94	O
008	1CYC完全充电 1CYC Fully charged	42.714	4.38	42.724	4.28	0.00	97.72	O
009	1CYC完全充电 1CYC Fully charged	42.601	4.38	42.609	4.28	0.00	97.72	O
010	1CYC完全充电 1CYC Fully charged	42.760	4.38	42.769	4.28	0.00	97.72	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.

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序号 No.	3	检验项目名称 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	42.715	4.28	42.705	4.28	0.02	100.00	O
002	1CYC完全充电 1CYC Fully charged	42.608	4.28	42.596	4.27	0.03	99.77	O
003	1CYC完全充电 1CYC Fully charged	42.672	4.28	42.659	4.28	0.03	100.00	O
004	1CYC完全充电 1CYC Fully charged	42.879	4.28	42.866	4.28	0.03	100.00	O
005	1CYC完全充电 1CYC Fully charged	42.718	4.28	42.709	4.28	0.02	100.00	O
006	1CYC完全充电 1CYC Fully charged	42.633	4.28	42.622	4.28	0.03	100.00	O
007	1CYC完全充电 1CYC Fully charged	42.719	4.28	42.708	4.28	0.03	100.00	O
008	1CYC完全充电 1CYC Fully charged	42.724	4.28	42.712	4.28	0.03	100.00	O
009	1CYC完全充电 1CYC Fully charged	42.609	4.28	42.598	4.28	0.03	100.00	O
010	1CYC完全充电 1CYC Fully charged	42.769	4.28	42.756	4.28	0.03	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.

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序号 No.	4	检验项目名称 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	42.705	4.28	42.707	4.27	0.00	99.77	O
002	1CYC完全充电 1CYC Fully charged	42.596	4.27	42.598	4.27	0.00	100.00	O
003	1CYC完全充电 1CYC Fully charged	42.659	4.28	42.663	4.28	0.00	100.00	O
004	1CYC完全充电 1CYC Fully charged	42.866	4.28	42.867	4.28	0.00	100.00	O
005	1CYC完全充电 1CYC Fully charged	42.709	4.28	42.707	4.28	0.00	100.00	O
006	1CYC完全充电 1CYC Fully charged	42.622	4.28	42.622	4.28	0.00	100.00	O
007	1CYC完全充电 1CYC Fully charged	42.708	4.28	42.708	4.27	0.00	99.77	O
008	1CYC完全充电 1CYC Fully charged	42.712	4.28	42.713	4.28	0.00	100.00	O
009	1CYC完全充电 1CYC Fully charged	42.598	4.28	42.599	4.28	0.00	100.00	O
010	1CYC完全充电 1CYC Fully charged	42.756	4.28	42.758	4.27	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.

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序号 No.	5	检验项目名称 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	55.3	O
002	1CYC完全充电 1CYC Fully charged	56.5	O
003	1CYC完全充电 1CYC Fully charged	56.3	O
004	1CYC完全充电 1CYC Fully charged	56.3	O
005	1CYC完全充电 1CYC Fully charged	56.1	O
006	1CYC完全充电 1CYC Fully charged	55.4	O
007	1CYC完全充电 1CYC Fully charged	56.1	O
008	1CYC完全充电 1CYC Fully charged	56.1	O
009	1CYC完全充电 1CYC Fully charged	56.1	O
010	1CYC完全充电 1CYC Fully charged	56.2	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	检验项目名称 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	22.8	O
012	1CYC 50%容量 1CYC 50% Capacity	23.7	O
013	1CYC 50%容量 1CYC 50% Capacity	23.7	O
014	1CYC 50%容量 1CYC 50% Capacity	23.2	O
015	1CYC 50%容量 1CYC 50% Capacity	24.2	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.

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序号 No.	7	检验项目名称 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	
016	1CYC完全充电 1CYC Fully charged	O	
017	1CYC完全充电 1CYC Fully charged	O	
018	1CYC完全充电 1CYC Fully charged	O	
019	1CYC完全充电 1CYC Fully charged	O	
020	50CYC完全充电 50CYC Fully charged	O	
021	50CYC完全充电 50CYC Fully charged	O	
022	50CYC完全充电 50CYC Fully charged	O	
023	50CYC完全充电 50CYC Fully charged	O	
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备注：D-解体 F-起火 0-无解体、无起火。
Note: D-Disassembly F-Fire O-No Disassembly & No Fire.

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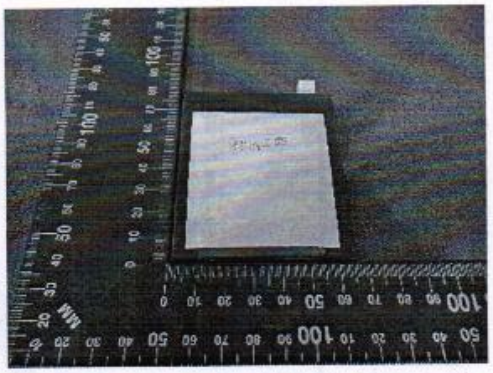
序号 No.	8	检验项目名称 Name of Test Items	强制放电 Forced discharge
样品编号 Sample No.	样品状态 Sample Status	其他现象 Other Event	
024	1CYC完全放电 1CYC Fully discharged	O	
025	1CYC完全放电 1CYC Fully discharged	O	
026	1CYC完全放电 1CYC Fully discharged	O	
027	1CYC完全放电 1CYC Fully discharged	O	
028	1CYC完全放电 1CYC Fully discharged	O	
029	1CYC完全放电 1CYC Fully discharged	O	
030	1CYC完全放电 1CYC Fully discharged	O	
031	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	50CYC完全放电 50CYC Fully discharged	O	
035	50CYC完全放电 50CYC Fully discharged	O	
036	50CYC完全放电 50CYC Fully discharged	O	
037	50CYC完全放电 50CYC Fully discharged	O	
038	50CYC完全放电 50CYC Fully discharged	O	
039	50CYC完全放电 50CYC Fully discharged	O	
040	50CYC完全放电 50CYC Fully discharged	O	
041	50CYC完全放电 50CYC Fully discharged	O	
042	50CYC完全放电 50CYC Fully discharged	O	
043	50CYC完全放电 50CYC 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.



锂离子聚合物电池组 1ICP4/64/77
Li-ion Polymer Battery/Polimer Li-ion Baterai
型号Model:BL265
额定容量Rated Capacity/
Tetapan Kapasitas:3000mAh/11.6Wh
标称电压Nominal Voltage/
Tegangan Nominal:3.85V
充电限制电压Limited Charge Voltage/
Tegangan Pengisian Terbatas:4.4V

Manufacturer:

SCUD (Fujian) Electronics Co., Ltd.

Address: No. 98, Jiangbin East Avenue, Mawei District, Fuzhou, Fujian, China

Telephone: 156 0501 5073

Website: www.scud.cn

Email: Ella.Wang@scudgroup.com

Test Laboratory:

Shanghai Research Institute Of Chemical Industry Testing Co., Ltd.

Address: No. 345 East Yunling Road, Putuo, Shanghai, China 200062

Telephone: 86-21-31765555

Website: www.ghs.cn

Email: zmh@ghs.cn