UN38.3 测试报告

UN38.3 Test Report

申请商 APPLICANT	:	深圳市天珑移动技术有限公司 Shenzhen Tinno Mobile Technology Corp.
产品名称 PRODUCT NAME	:	二次锂离子电池组 Rechargeable Li-ion Battery
型号/MODEL NAME	:	CCW5000-1
商标/TRADE NAME	:	N/A
品牌/BRAND NAME	:	N/A
额定值/RATING	:	3.87 V, 4900 mAh, 18.96 Wh
接收日期 RECEIPT DATE	:	2022-09-26
测试日期 TEST DATE	:	2022-09-26 to 2022-10-24
签发日期 ISSUE DATE	:	2022-10-25

编制
Edited by: 陶青

签发
Approved by: 李冬

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MORLAB
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测试报告声明
Test Report Declaration

申请商/Applicant	深圳市天珑移动技术有限公司 Shenzhen Tinno Mobile Technology Corp.	
申请商地址 Applicant Address	深圳市南山区西丽街道西丽社区同发南路天珑移动总部大厦南侧27-001 27-001, South Side of Tianlong Mobile Headquarters Building, Tongfa South Road, Xili Community, Xili Street, Nanshan District, Shenzhen, Guangdong, PRC	
产品名称/ Product Name	二次锂离子电池组 Rechargeable Li-ion Battery	
型号/ Model Name	CCW5000-1	
额定值/ Rating	3.87 V, 4900 mAh, 18.96 Wh	
制造商信息 Manufacturer information	制造商 Manufacturer	浙江锂威能源科技有限公司 Zhejiang Liwinon Energy Technology Co., Ltd.
	制造商地址 Manufacturer Address	中国浙江省金华市兰溪市兰江街道雁洲路 111 号 No.111, Yanzhou Road, Lanjiang Street, Lanxi County, Jinhua City, Zhejiang Province, P.R. China
工厂信息 Factory information	工厂 Factory	深圳欣旺达智能科技有限公司第一分公司 Shenzhen Sunwoda Intelligence Technology Co., Ltd. First Branch
	工厂地址 Factory Address	深圳市宝安区石岩街道水田社区长城路同富康水田工业区 B 栋厂房一层、五层、C 栋 1-5 层 Floor 1&5 of Building B, Floor 1 to 5 of Building C, TongFuKang Shuitian Industrial Zone, Changcheng Road. Shuitian Community, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China
尺寸/Size	80.05×64×5.83mm	
电池信息 Battery information	内含电芯数量/Cells number	1pcs(1S1P)
	电芯型号/Cell model	576478
	物理特性/Physical description	棱形固体/ Prismatic solid
检验方法及判定标准 Test Method and Criterion	联合国《关于危险货物运输的建议书试验和标准手册》第七版修正1第38.3节 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS, Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.7/Amend.1, section 38.3	
测试项目 Test Items	高度模拟试验；温度试验；振动试验；冲击试验；外短路试验；挤压试验；过充电试验；强制放电 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Overcharge, Force discharge	

测试结论 **Conclusion**	受检样品通过 UN 38.3 各项检测，检测结果合格 The sample has passed the test items of UN38.3
备注/ Remarks	测试结果为临限值时，我司将出具测量不确定度,并依据 95%的置信区间，给出判定结果。 When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals.

深圳市摩尔环宇通信技术有限公司检验报告

Shenzhen Morlab Communications Technology Co., Ltd. Test Report

序号 No.	检验项目名称 Name of test items	标准要求或标准款号 Standard Requirement or the Clause Number of Standard	检测结果 Test Result	本项结论 Test Conclusion	备注 Remarks
1	高度模拟试验 Altitude simulation	联合国《关于危险货物运输的建议书 试验和标准手册》(以下简称:试验和标准手册) UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.1 Test T.1	见附表 1 See Appendix 1	合格 Passed	/
2	温度试验 Thermal Test	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.2 Test T.2	见附表 2 See Appendix 2	合格 Passed	/
3	振动试验 Vibration	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.3 Test T.3	见附表 3 See Appendix 3	合格 Passed	/
4	冲击试验 Shock	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.4 Test T.4	见附表 4 See Appendix 4	合格 Passed	/
5	外短路试验 External short circuit	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.5 Test T.5	见附表 5 See Appendix 5	合格 Passed	/
6	挤压试验 Crush	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.6 Test T.6	见附表 6 See Appendix 6	合格 Passed	/
7	过充电试验 Overcharge	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.7 Test T.7	见附表 7 See Appendix 7	合格 Passed	/
8	强制放电 Force discharge	试验和标准手册 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Amend.1, 38.3 试验 T.8 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: 15~25℃ Ambient Temperature: 15~25℃			

Change History		
Version	**Date**	**Reason for change**
1.0	2022-10-25	First edition

检验报告-附件 1

Test Report-Appendix 1

序号 No.	1	检测项目名称 Name of test items		高度模拟试验 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 Weight/g	开路电压 OCV/V	质量 Weight/g	开路电压 OCV/V			
1	首次充满 Fully charged at first cycle	68.4941	4.417	68.4936	4.396	0.0007	99.52	O
2	首次充满 Fully charged at first cycle	68.4657	4.417	68.4650	4.396	0.0010	99.52	O
3	首次充满 Fully charged at first cycle	68.6846	4.416	68.6840	4.392	0.0009	99.46	O
4	首次充满 Fully charged at first cycle	68.5304	4.417	68.5300	4.395	0.0006	99.50	O
5	首次充满 Fully charged at first cycle	68.6779	4.415	68.6774	4.391	0.0007	99.46	O
6	25 次循环后充满 Fully charged after 25 cycles	68.6076	4.419	68.6071	4.398	0.0007	99.52	O
7	25 次循环后充满 Fully charged after 25 cycles	68.7692	4.417	68.7687	4.393	0.0007	99.46	O
8	25 次循环后充满 Fully charged after 25 cycles	68.4591	4.418	68.4584	4.395	0.0010	99.48	O
9	25 次循环后充满 Fully charged after 25 cycles	68.4234	4.419	68.4229	4.398	0.0007	99.52	O
10	25 次循环后充满 Fully charged after 25 cycles	68.5888	4.416	68.5882	4.393	0.0009	99.48	O

备注: L-漏液，V-漏气，D-解体， R-破裂，F-起火，O-无漏液，无解体，无破裂，无起火；

Remark: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No Leakage, No Venting, No Disassembly, No Rupture, No Fire

检验报告-附件 2

Test Report-Appendix 2

序号 No.	2	检测项目名称 Name of test items		温度试验 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 Weight/g	开路电压 OCV/V	质量 Weight/g	开路电压 OCV/V			
1	首次充满 Fully charged at first cycle	68.4936	4.396	68.4877	4.337	0.0086	98.66	O
2	首次充满 Fully charged at first cycle	68.4650	4.396	68.4600	4.338	0.0073	98.68	O
3	首次充满 Fully charged at first cycle	68.6840	4.392	68.6791	4.332	0.0071	98.63	O
4	首次充满 Fully charged at first cycle	68.5300	4.395	68.5243	4.336	0.0083	98.66	O
5	首次充满 Fully charged at first cycle	68.6774	4.391	68.6714	4.331	0.0087	98.63	O
6	25 次循环后充满 Fully charged after 25 cycles	68.6071	4.398	68.6012	4.332	0.0086	98.50	O
7	25 次循环后充满 Fully charged after 25 cycles	68.7687	4.393	68.7624	4.332	0.0092	98.61	O
8	25 次循环后充满 Fully charged after 25 cycles	68.4584	4.395	68.4521	4.337	0.0092	98.68	O
9	25 次循环后充满 Fully charged after 25 cycles	68.4229	4.398	68.4169	4.333	0.0088	98.52	O
10	25 次循环后充满 Fully charged after 25 cycles	68.5882	4.393	68.5830	4.339	0.0076	98.77	O

备注: L-漏液，V-漏气，D-解体， R-破裂，F-起火，O-无漏液，无解体，无破裂，无起火；

Remark: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No Leakage, No Venting, No Disassembly, No Rupture, No Fire

检验报告-附件 3

Test Report-Appendix 3

序号 No.	3	检测项目名称 Name of test items		振动试验 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 Weight/g	开路电压 OCV/V	质量 Weight/g	开路电压 OCV/V			
1	首次充满 Fully charged at first cycle	68.4877	4.337	68.4870	4.335	0.0010	99.95	O
2	首次充满 Fully charged at first cycle	68.4600	4.338	68.4591	4.336	0.0013	99.95	O
3	首次充满 Fully charged at first cycle	68.6791	4.332	68.6782	4.331	0.0013	99.98	O
4	首次充满 Fully charged at first cycle	68.5243	4.336	68.5233	4.334	0.0015	99.95	O
5	首次充满 Fully charged at first cycle	68.6714	4.331	68.6705	4.329	0.0013	99.95	O
6	25 次循环后充满 Fully charged after 25 cycles	68.6012	4.332	68.6004	4.330	0.0012	99.95	O
7	25 次循环后充满 Fully charged after 25 cycles	68.7624	4.332	68.7614	4.330	0.0015	99.95	O
8	25 次循环后充满 Fully charged after 25 cycles	68.4521	4.337	68.4512	4.335	0.0013	99.95	O
9	25 次循环后充满 Fully charged after 25 cycles	68.4169	4.333	68.4160	4.332	0.0013	99.98	O
10	25 次循环后充满 Fully charged after 25 cycles	68.5830	4.339	68.5821	4.337	0.0013	99.95	O

备注: L-漏液，V-漏气，D-解体， R-破裂，F-起火，O-无漏液，无解体，无破裂，无起火；

Remark: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No Leakage, No Venting, No Disassembly, No Rupture, No Fire

检验报告-附件 4

Test Report-Appendix 4

序号 No.	4	检测项目名称 Name of test items		冲击试验 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 Weight/g	开路电压 OCV/V	质量 Weight/g	开路电压 OCV/V			
1	首次充满 Fully charged at first cycle	68.4870	4.335	68.4858	4.332	0.0018	99.93	O
2	首次充满 Fully charged at first cycle	68.4591	4.336	68.4577	4.333	0.0020	99.93	O
3	首次充满 Fully charged at first cycle	68.6782	4.331	68.6770	4.329	0.0017	99.95	O
4	首次充满 Fully charged at first cycle	68.5233	4.334	68.5220	4.331	0.0019	99.93	O
5	首次充满 Fully charged at first cycle	68.6705	4.329	68.6691	4.327	0.0020	99.95	O
6	25 次循环后充满 Fully charged after 25 cycles	68.6004	4.330	68.5990	4.328	0.0020	99.95	O
7	25 次循环后充满 Fully charged after 25 cycles	68.7614	4.330	68.7601	4.327	0.0019	99.93	O
8	25 次循环后充满 Fully charged after 25 cycles	68.4512	4.335	68.4499	4.332	0.0019	99.93	O
9	25 次循环后充满 Fully charged after 25 cycles	68.4160	4.332	68.4147	4.329	0.0019	99.93	O
10	25 次循环后充满 Fully charged after 25 cycles	68.5821	4.337	68.5806	4.334	0.0022	99.93	O

备注: L-漏液，V-漏气，D-解体， R-破裂，F-起火，O-无漏液，无解体，无破裂，无起火；

Remark: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No Leakage, No Venting, No Disassembly, No Rupture, No Fire

检验报告-附件 5

Test Report-Appendix 5

序号 No.	5	检测项目名称 Name of test items	外短路试验 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 Test Items / ˚C	其他现象 Other Event
1	首次充满 Fully charged at first cycle	56.6	O
2	首次充满 Fully charged at first cycle	55.8	O
3	首次充满 Fully charged at first cycle	57.0	O
4	首次充满 Fully charged at first cycle	56.7	O
5	首次充满 Fully charged at first cycle	56.0	O
6	25 次循环后充满 Fully charged after 25 cycles	56.8	O
7	25 次循环后充满 Fully charged after 25 cycles	55.8	O
8	25 次循环后充满 Fully charged after 25 cycles	56.9	O
9	25 次循环后充满 Fully charged after 25 cycles	56.0	O
10	25 次循环后充满 Fully charged after 25 cycles	56.8	O
备注: D-解体， R-破裂，F-起火，O-无解体，无破裂，无起火； Remark: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture, No Fire			

检验报告-附件 6

Test Report-Appendix 6

序号 No.	6	检测项目名称 Name of test items	挤压试验 Crush
样品编号 Sample No.	样品状态 Sample status	样品表面最高温度 Max. External Test Items/ ℃	其他现象 Other Event
11	首次 50%容量 50% of capacity at first cycle	22.1	O
12	首次 50%容量 50% of capacity at first cycle	22.3	O
13	首次 50%容量 50% of capacity at first cycle	22.2	O
14	首次 50%容量 50% of capacity at first cycle	22.1	O
15	首次 50%容量 50% of capacity at first cycle	22.2	O
16	25 次循环后 50%容量 50% of capacity after25 cycles	22.6	O
17	25 次循环后 50%容量 50% of capacity after25 cycles	22.8	O
18	25 次循环后 50%容量 50% of capacity after25 cycles	22.6	O
19	25 次循环后 50%容量 50% of capacity after25 cycles	22.5	O
20	25 次循环后 50%容量 50% of capacity after25 cycles	22.5	O
备注: D-解体，F-起火，O-无解体，无起火； Remark: D-Disassembly, F-Fire, O-No Disassembly, No Fire			

检验报告-附件 7
Test Report-Appendix 7

序号 No.	7	检测项目名称 Name of test items	过充电试验 Overcharge
样品编号 Sample No.	样品状态 Sample status	其他现象 Other Event	
21	首次充满 Fully charged at first cycle	O	
22	首次充满 Fully charged at first cycle	O	
23	首次充满 Fully charged at first cycle	O	
24	首次充满 Fully charged at first cycle	O	
25	25 次循环后充满 Fully charged after 25 cycles	O	
26	25 次循环后充满 Fully charged after 25 cycles	O	
27	25 次循环后充满 Fully charged after 25 cycles	O	
28	25 次循环后充满 Fully charged after 25 cycles	O	
备注: D-解体， F-起火，O-无解体，无起火； Remark: D-Disassembly, F-Fire, O-No Disassembly, No Fire			

检验报告-附件 8
Test Report-Appendix 8

序号 No.	8	检测项目名称 Name of test items	强制放电 Force discharge
样品编号 Sample No.	样品状态 Sample status	放电时间（H） Discharge time	其他现象 Other Event
29	首次完全放电 Fully discharged at first cycle	1	O
30	首次完全放电 Fully discharged at first cycle	1	O
31	首次完全放电 Fully discharged at first cycle	1	O
32	首次完全放电 Fully discharged at first cycle	1	O
33	首次完全放电 Fully discharged at first cycle	1	O
34	首次完全放电 Fully discharged at first cycle	1	O
35	首次完全放电 Fully discharged at first cycle	1	O
36	首次完全放电 Fully discharged at first cycle	1	O
37	首次完全放电 Fully discharged at first cycle	1	O
38	首次完全放电 Fully discharged at first cycle	1	O
39	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
40	25 次循环后完全放电 Fully discharged after 25 cycles	1	O

41	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
42	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
43	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
44	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
45	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
46	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
47	25 次循环后完全放电 Fully discharged after 25 cycles	1	O
48	25 次循环后完全放电 Fully discharged after 25 cycles	1	O

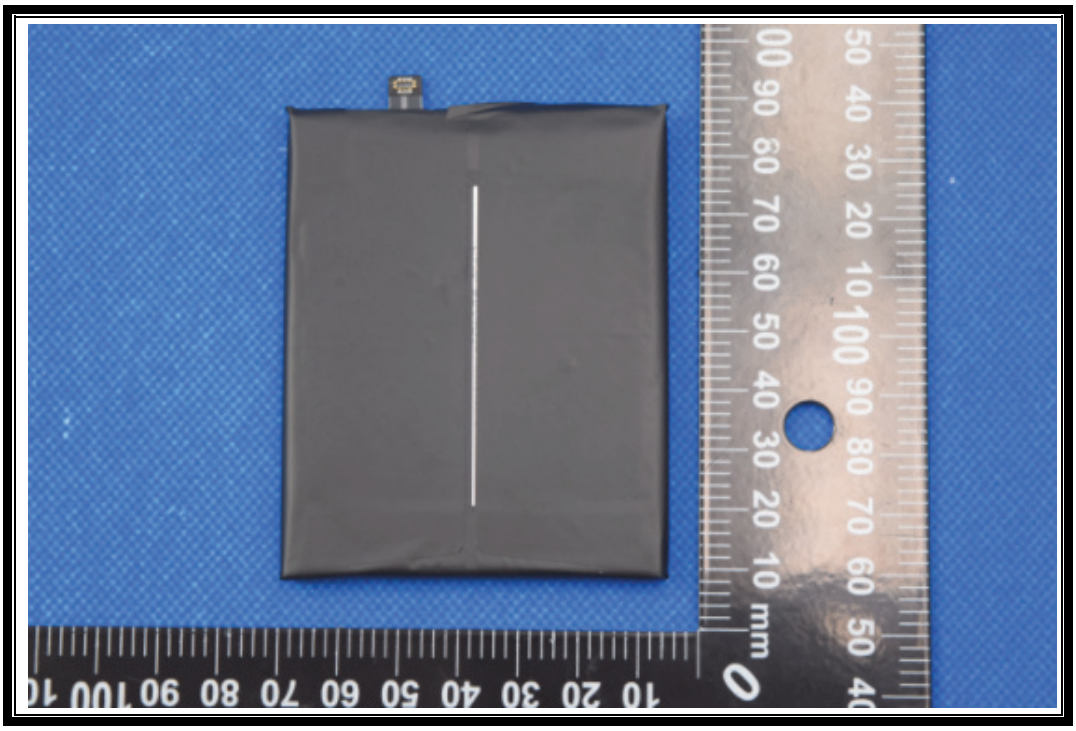
备注: D-解体， F-起火，O-无解体，无起火；
Remark: D-Disassembly, F-Fire, O-No Disassembly, No Fire
最大放电电流/ Max Continuous Discharge Current: 5230 mA

样品图片 Photographs of the EUT

1



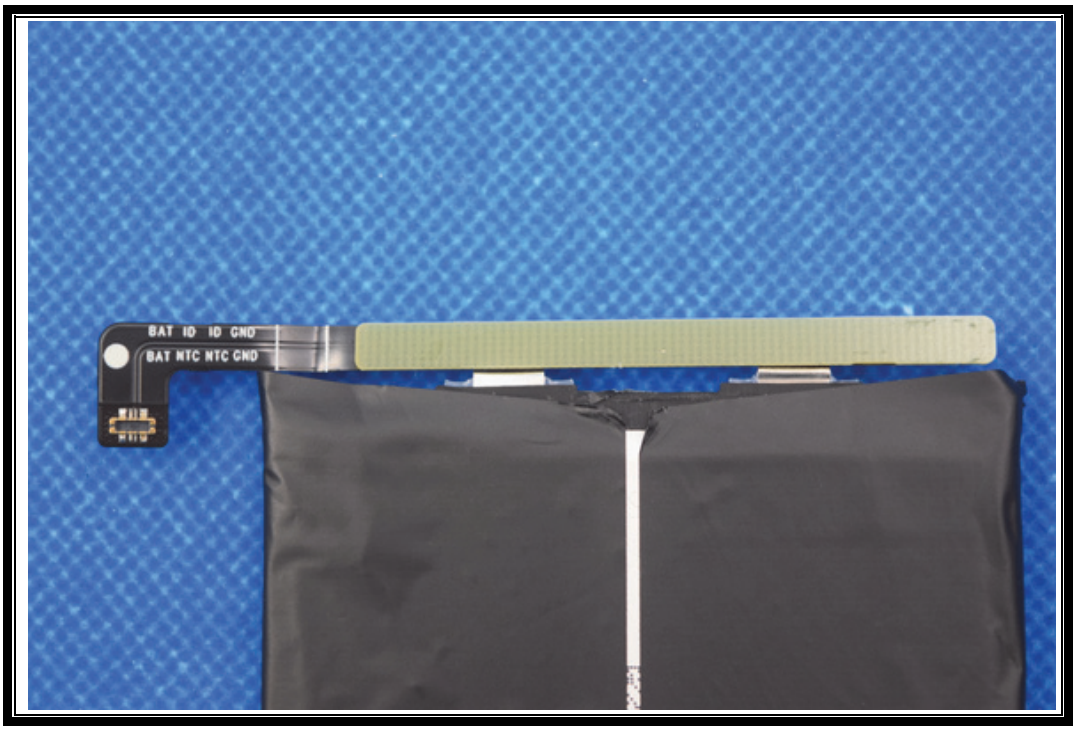
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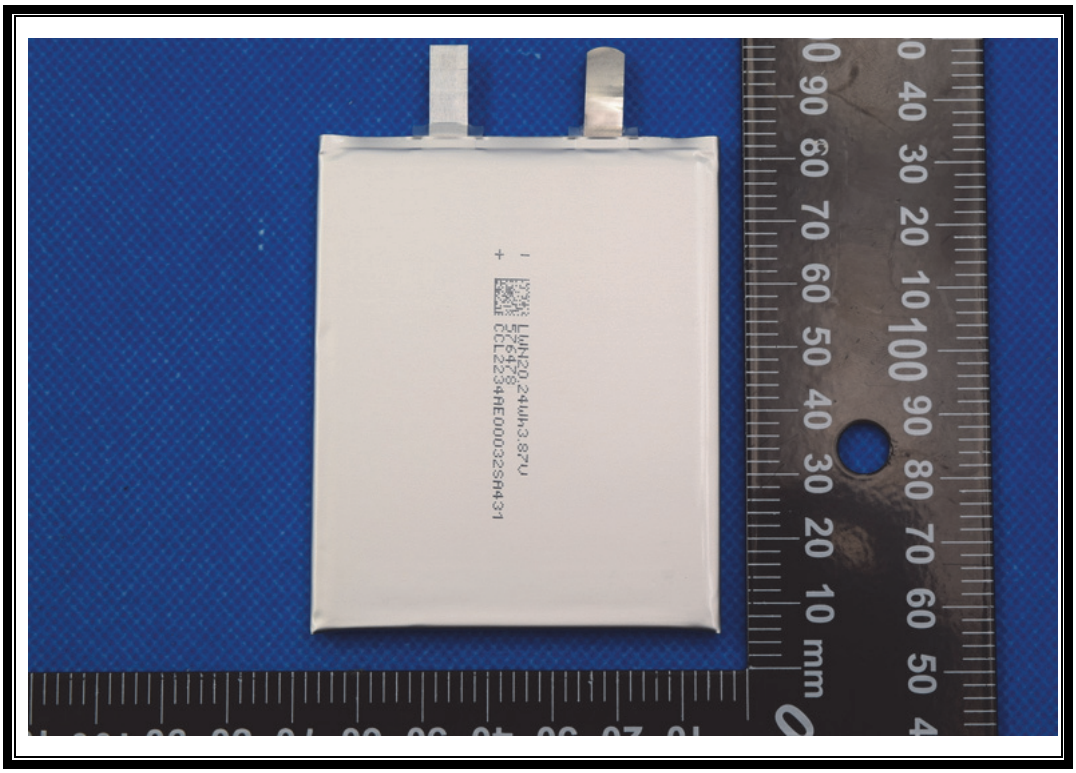
3


2234 P760-R0A.FPCB
E300219 RoHS 94V-0
二次鋰離子電池組/Rechargeable Li-ion Battery/Batterie lithium rechargeable
型號/Model name / Numéro de modèle: CCW5000-1 1ICP6/64/79
標稱電壓/Nominal voltage / Tension nominale:3.87Vdc
充電限制電壓/Limited charge voltage / Limite de tension de charge:4.45Vdc
額定容量/Rated capacity / Capacité nominale:4900mAh/18.96Wh
Typical capacity / Capacité typique:5000mAh/19.35Wh
警告/Warning/PRUDENCE
嚴禁拆卸、擠壓、加熱或燃燒電池。電池浸水後禁止使用。
Do not disassemble,puncture,crush,heat or burn.

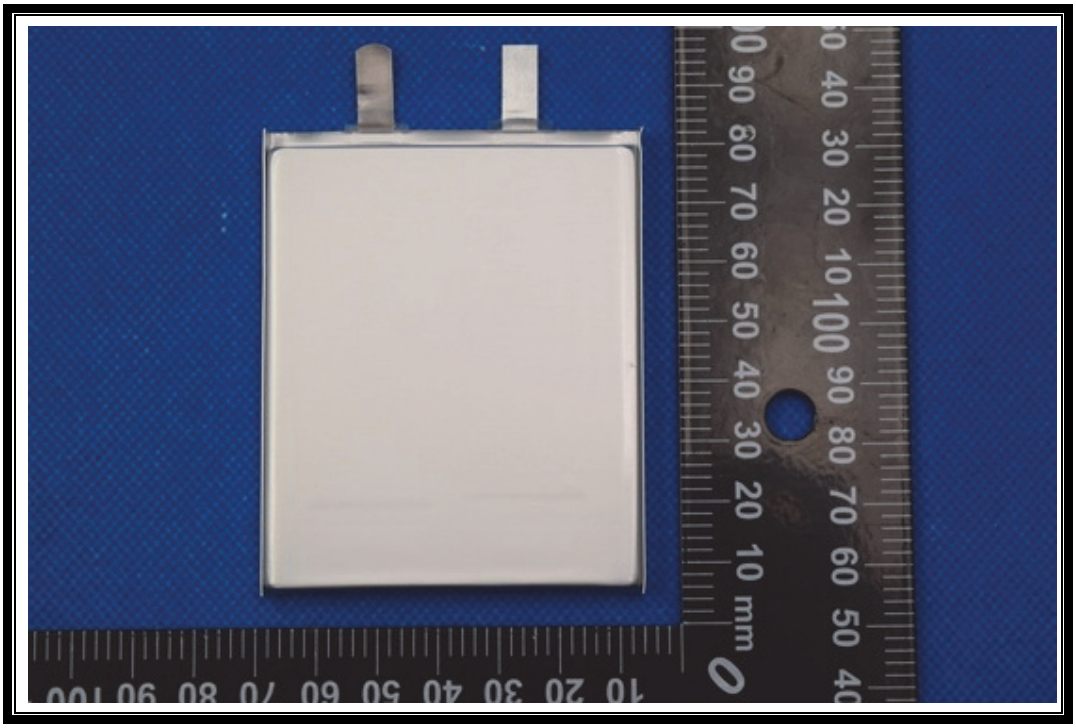
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BAT ID ID GND
BAT NTC NTC GND

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仪器设备清单/ List of test equipment used:

条款 Clause	仪器设备名称 equipment	型号 model	系列号 Serial No.	厂商 Manufacturer	校准日期 Calibration date	失效日期 Expiration date
样品预处理 Sample pretreatment	高性能电池检测系统 High-performance battery detection system	CT-4008-5V 6A-S1	T1806-167 542~T1806 -167548	newaretechno logy	2022-07-06	2023-07-05
	电子天平 Electronic scale	JM-B30002	370	Zhuji Chaoze Weighing	2021-10-25	2022-10-24
					2022-10-10	2023-10-09
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20	2022-10-19
					2022-10-10	2023-10-09
高度模拟试验 Altitude simulation	低气压箱 Vacuum chamber	CHKX-125	110711	gzgongwen	2022-03-04	2023-03-03
	电子天平 Electronic scale	JM-B30002	370	Zhuji Chaoze Weighing	2021-10-25	2022-10-24
					2022-10-10	2023-10-09
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20	2022-10-19
					2022-10-10	2023-10-09
温度试验 Thermal Test	快速温变箱 Rapid temperature change box	QW1070P6 W15	12174318	ESPEC	2022-03-04	2023-03-03
	电子天平 Electronic scale	JM-B30002	370	Zhuji Chaoze Weighing	2021-10-25	2022-10-24
					2022-10-10	2023-10-09
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20	2022-10-19
					2022-10-10	2023-10-09

振动试验 Vibration	振动试验台 Vibration test bench	ES-30-370	D1203045	donglingtech	2021-10-20	2022-10-19
					2022-10-10	2023-10-09
	电子天平 Electronic scale	JM-B30002	370	Zhuji Chaoze Weighing	2021-10-25	2022-10-24
					2022-10-10	2023-10-09
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20	2022-10-19
					2022-10-10	2023-10-09
冲击试验 Shock	冲击碰撞试验台 Shock Test System	SY11-50	5120315/J120315	donglingtech	2022-03-04	2023-03-03
	电子天平 Electronic scale	JM-B30002	370	Zhuji Chaoze Weighing	2021-10-25	2022-10-24
					2022-10-10	2023-10-09
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20	2022-10-19
					2022-10-10	2023-10-09
外短路试验 External short circuit	防爆温箱 explosion-proof oven	DE207C	A08351	Chongqing Hanba	2022-06-02	2023-06-01
	微电阻测试仪 Milliohm-meter	TOS8010	TM200445	TOSSTAR	2022-03-04	2023-03-03
	短路器 Short circuit	MORLAB-B01	/	/	2022-04-05	2022-10-04
					2022-09-30	2023-03-29
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20	2022-10-19
					2022-10-10	2023-10-09

☒挤压试验 ☐撞击试验 Crush Impact	☒挤压试验机 Crush Apparatus	BE-6045-2T	20181113001	DongGuan Bell	2021-10-20 2022-10-10	2022-10-19 2023-10-09
	☐电池冲击试验机 Battery impact Apparatus	BE-5066	20080910346	DongGuan Bell	2022-03-04	2023-03-03
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20 2022-10-10	2022-10-19 2023-10-09
过充电试验 Overcharge	电池充放电系统 Battery Testing System	BTS-30V20A-8CH	19ME190408006	BETTATEQ	2022-07-06	2023-07-05
	防爆温箱 explosion-proof oven	DE207C	A08351	Chongqing Hanba	2022-06-02	2023-06-01
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20 2022-10-10	2022-10-19 2023-10-09
强制放电 Force discharge	直流电源 DC power supply	KXN-6050D	18K6050D040094	zhaoxinpower	2021-10-20 2022-10-10	2022-10-19 2023-10-09
	电子负载 Electronic load	IT8512A+	802143010737010063	ITECH	2022-07-06	2023-07-05
	数据采集仪 Data recorder apparatus (Temperature and Voltage recorder)	GM90PS	S5C08022	YOKOGAWA	2021-10-20 2022-10-10	2022-10-19 2023-10-09

Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525
E-mail:	service@morlab.cn
Website	www.morlab.cn

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

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