

Issue Date: 2025/08/19

UN38.3 Test Report

UN38.3 测试报告

样品名称 可充电电池组 Rechargeable Li-ion Battery Pack

ASUS, C41N2503, 15.6V, 49.5Wh, Capacity 3174mAh (Typical)/

Sample name: 3082mAh (Rated)/ 48.1Wh/ ATL/ 167(g)

委托单位

新普科技股份有限公司

SIMPLO TECHNOLOGY CO., LTD.

Consignor:

报告版本:

V01

Version of Test Report

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Form NO. W11-002-B08

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样品名称 Sample name	可充电电池组 Rechargeable Li-ion Battery Pack ASUS, C41N2503, 15.6V, 49.5Wh, Capacity 3174mAh (Typical)/ 3082mAh (Rated)/ 48.1Wh/ ATL/ 167(g)					
委托单位 Consignor	SII	新普科技股份 MPLO TECHNOLO		D.		
生产单位 Manufacturer	SIMPLO	新普科技(重庆) TECHNOLOGY(•	IG) INC		
检测方法/判定标准 Test method/Criterion	联合国《标准与试验手 UN Manual of the Test					
样品外观 Appearance	黑色塑料外壳。 Black plastic film shell.					
样品接受日期 Accepted Date	Cell 2025/06/02 Pack	检测起迄日期 Test Date	2025/0	Test Duration: 06/02~2025/06/17 Test Duration:		
检测项目 Test Items	2025/05/29 高度模拟;热测试;振 Altitude Simulation; Th Crush; Overcharge; Fo	ermal Test; Vibratio	 挤压;过充			
检测结论 Conclusion	经检测,该样品试验符 section 38.3 标准要求。 The test results compliand Criteria, Eighth rev	led with the require	ements of UN	SG/AC.10/11/Rev8, I "Manual of the Tests		
备注 Remarks		This report is published based on the test results of Report No. SASU-2506001. Due to the change of label, the sample picture need to be modified and this report				
	1	List of report version	on			
版本 Version	修改内容	客 Modify content		生效日 Issue date		

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Control Number: SASU-2508001 Issue Date: 2025/08/19

01	First publish	2025/08/19
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序号 No.	检测项目 Test items	标准要求或标准条款号 Standard requirement or the clause number of the standard	检测结果 Test results	本项结论 Conclusion	备注 Remarks
1	高度模拟 Altitude Simulation	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T1 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T1	见附表 1 See Appendix 1	合格 Pass	
2	热测试 Thermal Test	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T2 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T2	见附表 2 See Appendix 2	合格 Pass	
3	振动 Vibration	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T3 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T3	见附表 3 See Appendix 3	合格 Pass	
4	冲击 Shock	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T4 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T4	见附表 4 See Appendix 4	合格 Pass	

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This test report is valid only to the items, Invalid for separation using.



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5	外短路 External Short Circuit	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T5 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T5	见附表 5 See Appendix 5	合格 Pass
6-1	撞击 Impact	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T6 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T6	见附表 6-1 See Appendix 6-1	N/A
6-2	挤压 Crush	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T6 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T6	见附表 6-2 See Appendix 6-2	合格 Pass
7	过充电 Overcharge	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T7 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T7	见附表 7 See Appendix 7	合格 Pass
8	强制放电 Forced Discharge	联合国《标准与试验手册》 ST/SG/AC.10/11/Rev8, section 38.3 試驗 T8 UN Manual of the Tests and Criteria, ST/SG/AC.10/11/Rev8, section 38.3 Test T8	见附表 8 See Appendix 8	合格 Pass
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	155de Date. 2025/00/17
检测环境条件 Test environment condition	环境温度:21.0℃~24.1℃;环境湿度:36%~59%。 Ambient temperature:21.0℃~24.1℃;Ambient humidity:36%~59%。
报告声明 Report statement	测试结果包含符合基于 ST/SG/AC.10/11/Rev8, section 38.3 标准的决策规则的声明。 The test results contain statement of conformity with the decision rules which are based on the standards ST/SG/AC.10/11/Rev8, section 38.3. 本试验结果基于标准未规定、客户无需求,不对测量不确定度进行评定。 This test result does not evaluate the measurement uncertainty based on the fact that the standard is not specified and the customer has no demand.
	本报告中呈现的测试结果仅适用收取的样品。 The test results apply to the samples as received. 实验室对报告中的所有信息负责,客户提供的信息除外。 The laboratory shall be responsible for all the information provided in the report, except when information is provided by the customer.

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附表1	Appendix 1								
序号	^{字号} 1		检测项目			高度模拟			
No.	1		Test items	5	Al	ltitude Sin	nulation		
试样		开路电压	OCV/V	剩余	质量〕	Mass/g	质量	其他现象	
编号	样品状态	试验前	试验后	电压	试验前	试验后	损失	Other	
Sample	Sample Status	Before	After	Residual	Before	After	Mass	Event	
No.		Delote	Aitei	OCV	Deloie	Aitei	loss	Event	
01	1 Cycle 完全充电	17.432	17.424	99.95%	165.652	165.650	0.00%	O	
01	1 Cycle Fully charged	17.432	1/.424	99.93/0	103.032	103.030	0.0070	0	
02	1 Cycle 完全充电	17.430	17.428	99.99%	165.997	165.991	0.00%	O	
02	1 Cycle Fully charged	17.430	17.428					U	
03	1 Cycle 完全充电	17.433	17.425	99.95%	165.801	165.797	0.00%	O	
0.5	1 Cycle Fully charged	17.733						U	
04	1 Cycle 完全充电	17.428	17.424	99.98%	165.733	165.729	0.00%	O	
04	1 Cycle Fully charged	17.420	17.426 17.424	77.7070	103.733	103.725	0.0070		
05	25 Cycles 完全充电	17.458	17.455	99.98%	165.787	165.784	0.00%	О	
0.5	25 Cycles Fully charged	17.730	17.733	77.7070	103.767	103.704	0.0070		
06	25 Cycles 完全充电	17.460	17.458	99.99%	165.722	165.717	0.00%	O	
00	25 Cycles Fully charged	17.400	17.430	77.7770	103.722	103.717	0.0070	U U	
07	25 Cycles 完全充电	17.457	17.455	99.99%	166.114	166.110	0.00%	O	
07	25 Cycles Fully charged	17.437	17.433	77.77/0	100.114	100.110	0.00%	U	
08	25 Cycles 完全充电	17.457	17.454	99.98%	165.572	165.569	0.00%	O	
00	25 Cycles Fully charged	17.737	17.737	77.7070	103.372	103.309	0.0070		
以下	Blank below								
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注:L-泄漏, V-泄气, D-解体, R-破裂, F-起火, O-无泄漏、无泄气、无解体、无破裂且无起火. Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture and no fire.

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附表 2	Appendix 2	I						
序号	2	检测项目		热测试				
No.	<u>-</u>		Test item	S		Thermal	Test	
试样		开路	电压	剩余	「质量]	Mass/g	质量	其他现象
编号	样品状态	OC	CV/V	电压	从至		损失	Other
Sample	Sample Status	试验前	试验后	Residual	试验前	试验后	Mass	Event
No.		Before	After	OCV	Before	After	loss	Event
01	1 Cycle 完全充电	17.424	16.910	97.05%	165.650	165.628	0.01%	О
01	1 Cycle Fully charged	17.424	10.910	97.03%	103.030	103.028	0.0176	
02	1 Cycle 完全充电	17.420	.428 16.912	97.04%	165.991	165.969	0.01%	0
02	1 Cycle Fully charged	17.428						0
03	1 Cycle 完全充电	17.425	7.425 16.902	97.00%	165.797	165.772	0.02%	О
03	1 Cycle Fully charged	17.723						
04	1 Cycle 完全充电	17.424	16.907	97.03%	165.729	165.703	0.02%	O
04	1 Cycle Fully charged	17.727	17.424 10.907	77.0370	103.727	103.703	0.0270	
05	25 Cycles 完全充电	17.455 16.980	16.980	.980 97.28%	165.784	165.758	0.02%	O
0.5	25 Cycles Fully charged	17.133	10.700		103.701	103.730	0.0270	Ŭ
06	25 Cycles 完全充电	17.458	16.979	97.26%	165.717	165.697	0.01%	O
00	25 Cycles Fully charged	17.130	10.575	27.2070	103.717	103.077	0.0170	
07	25 Cycles 完全充电	17.455	16.977	97.26%	26% 166.110	166.087	0.01%	O
07	25 Cycles Fully charged		10.9//	27.2070	100.110	100.007	0.0170	
08	25 Cycles 完全充电	17.454	16.972	97.24%	165.569	65.569 165.544	0.02%	О
00	25 Cycles Fully charged	17.737	10.772	77.2470	103.307	103.377	0.0270	
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注:L-泄漏, V-泄气, D-解体, R-破裂, F-起火, O-无泄漏、无泄气、无解体、无破裂且无起火. Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture and no fire.

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附表3	Appendix 3							
序号	3	检测项目			振动			
No.	3		Test items	S		Vibrati	on	
试样		开路电压	OCV/V	剩余	质量]	Mass/g	质量	其他现象
编号	样品状态	试验前	试验后	电压	试验前	试验后	损失	Other
Sample	Sample Status	Before	After	Residual	Before	After	Mass	Event
No.		Delore	Aiter	OCV	Delore	Aiter	loss	Event
01	1 Cycle 完全充电	16.910	16.904	99.96%	165.628	165.629	0.00%	O
01	1 Cycle Fully charged	10.710	10.704	77.7070	103.020	103.027	0.0070	O O
02	1 Cycle 完全充电	16.912	16.908	99.98%	165.969	165.970	0.00%	O
02	1 Cycle Fully charged	10.912	10.908			103.770		
03	1 Cycle 完全充电	16 902	16.902 16.889	99.92%	165.772	165.775	0.00%	O
03	1 Cycle Fully charged	10.702						O O
04	1 Cycle 完全充电	16.907	16.898	99.95%	165.703	165.705	0.00%	O
0-1	1 Cycle Fully charged	10.507	10.907	77.7370	103.703	102.702	0.0070	
05	25 Cycles 完全充电	16.980	16.975	99.97%	165.758	165.759	0.00%	O
03	25 Cycles Fully charged	10.700	10.773	77.7170	103.730	103.737		- C
06	25 Cycles 完全充电	16.979	16.972	99.96%	165.697	165.698	0.00%	O
00	25 Cycles Fully charged	10.575	10.572	77.7070	103.077	103.070	0.0070	
07	25 Cycles 完全充电	16.977	16.971	99.96%	166.087	166.088	0.00%	O
07	25 Cycles Fully charged	10.977	10.9/1	77.7070	100.007	100.008	0.0070	U
08	25 Cycles 完全充电	16.972	16.965	99.96%	165.544	5.544 165.546	0.00%	O
00	25 Cycles Fully charged	10.772	10.703	77.7070	103.344		0.0070	
以下	Blank below							
空白	Diam ociow							

注:L-泄漏, V-泄气, D-解体, R-破裂, F-起火, O-无泄漏、无泄气、无解体、无破裂且无起火. Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture and no fire.

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附表 4	Appendix 4							
序号	4	检测项目		冲击				
No.	4		Test item	s		Shoc	k	
试样		开路	电压	剩余	后暑]	Mass/g	质量	其他现象
编号	样品状态	OC	V/V	电压	-		损失	Other
Sample	Sample Status	试验前	试验后	Residual	试验前	试验后	Mass	Event
No.		Before	After	OCV	Before	After	loss	Event
01	1 Cycle 完全充电	16.904	16.899	99.97%	165.629	165.622	0.00%	O
	1 Cycle Fully charged							
02	1 Cycle 完全充电	16.908	16.901	99.96%	165.970	165.965	0.00%	O
02	1 Cycle Fully charged	10.908	10.701					
03	1 Cycle 完全充电	16.889 16.884	99.97%	165.775	165.770	0.00%	O	
03	1 Cycle Fully charged	10.007	10.001	77.7170	103.773	102.770	0.0070	
04	1 Cycle 完全充电	16.898	16.893	99.97%	165.705	165.701	0.00%	O
	1 Cycle Fully charged	10.676	10.696 10.693	77.7170	103.703	103.701	0.0070	
05	25 Cycles 完全充电	16.975	16.971	99.98%	165.759	165.755	0.00%	О
03	25 Cycles Fully charged	10.973	10.971	99.9070	103.739	103.733	0.0070	
06	25 Cycles 完全充电	16.972	16.969	99.98%	165.698	165.694	0.00%	O
	25 Cycles Fully charged	10.772	10.707	77.7670	103.076	103.074	0.0070	
07	25 Cycles 完全充电	16.971	16.967	99.98%	166.088	166.083	0.00%	O
07	25 Cycles Fully charged	10.971	10.907	99.9070	100.088	100.083	0.0070	
08	25 Cycles 完全充电	16.965	16.960	99.97%	165.546	165.542	0.00%	0
00	25 Cycles Fully charged	10.703	10.300	99.71/0	103.340	103.342	0.00%	О
以下	Blank below							
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注:L-泄漏, V-泄气, D-解体, R-破裂, F-起火, O-无泄漏、无泄气、无解体、无破裂且无起火. Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture and no fire.

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序号 No.	5	检测项目 Test items	外短路 External Short Circuit
试样 编号 Sample No.	样品状态 Sample Status	表面最高溫度 Max. External Temperature/°C(<170°C)	其他现象 Other Event
01	1 Cycle 完全充电 1 Cycle Fully charged	59.0	О
02	1 Cycle 完全充电 1 Cycle Fully charged	58.9	О
03	1 Cycle 完全充电 1 Cycle Fully charged	59.0	О
04	1 Cycle 完全充电 1 Cycle Fully charged	59.2	О
05	25 Cycles 完全充电 25 Cycles Fully charged	58.8	О
06	25 Cycles 完全充电 25 Cycles Fully charged	59.0	О
07	25 Cycles 完全充电 25 Cycles Fully charged	59.2	О
08	25 Cycles 完全充电 25 Cycles Fully charged	59.1	О
以下 空白	Blank below		

注: D-解体, R-破裂, F-起火, O-无解体、无破裂且无起火

Note: D-Disassembly, R-Rupture, F-Fire, O-No disassembly, no rupture and no fire.

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Issue Date: 2025/08/19

序号 No.	6-1	检测项目 Test items	撞击 Impact		
试样编号 Sample No.	样品状态 Sample Status	表面最高溫度 Max. External Temperature/°C(<170°C)	其他现象 Other Event		
01 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	N/A	N/A		
02 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	N/A	N/A		
03 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	N/A	N/A		
04 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	N/A	N/A		
05 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	N/A	N/A	N/A	N/A
06 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	N/A	N/A		
07 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	N/A	N/A		
08 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	N/A	N/A		
09 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	N/A	N/A		
10 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	N/A	N/A		
以下 空白	Blank below				

注: D-解体, F-起火, O-无解体且无起火.

Note: D-Disassembly, F-Fire, O-No disassembly and no fire.

Form NO. W11-002-B08

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Issue Date: 2025/08/19

序号 No.	6-2	检测项目 Test items	挤压 Crush 其他现象 Other Event	
试样编号 Sample No.	样品状态 Sample Status	表面最高溫度 Max. External Temperature/°C(<170°C)		
01 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	25.2		
02 C	1Cycle 50% 容量 1 Cycle 50% Capacity	24.4	О	
03 C	1Cycle 50% 容量 1 Cycle 50% Capacity	24.7	O	
04 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	25.7	О	
05 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	25.8	0	
06 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	24.0		
07 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	24.8	О	
08 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	24.8	О	
09 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	24.4	O	
10 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	25.8	О	
以下 空白	Blank below			

注: D-解体, F-起火, O-无解体且无起火

Note: D-Disassembly, F-Fire, O-No disassembly and no fire.

Form NO. W11-002-B08

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Issue Date: 2025/08/19

序号	_	检测项目	过充电		
No.	7	Test items	Overcharge		
试样编号 Sample No.	样品状态 Sample Status	其他现象 Other Event			
09	1 Cycle 完全充电	O			
09	1 Cycle Fully charged		O		
10	1 Cycle 完全充电				
10	1 Cycle Fully charged		O		
11	1 Cycle 完全充电				
11	1 Cycle Fully charged	O			
12	1 Cycle 完全充电				
12	1 Cycle Fully charged	О			
12	25 Cycles 完全充电				
13	25 Cycles Fully charged	О			
1.4	25 Cycles 完全充电				
14	25 Cycles Fully charged	О			
1.7	25 Cycles 完全充电				
15	25 Cycles Fully charged	О			
17	25 Cycles 完全充电		0		
16	25 Cycles Fully charged	О			
以下 空白	Blank below				

注: D-解体, F-起火, O-无解体且无起火

Note: D-Disassembly, F-Fire, O-No disassembly and no fire.

Form NO. W11-002-B08

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Issue Date: 2025/08/19

序号 No.	8	检测项目 Test items	强制放电 Forced Discharg	
试样编号 Sample No.	样品状态 Sample Status	其他现象 Other Event		
11 C	1 Cycle 完全放电 1 Cycle Fully Discharged		0	
12 C	1 Cycle 完全放电 1 Cycle Fully Discharged		О	
13 C	1 Cycle 完全放电 1 Cycle Fully Discharged		О	
14 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O	
15 C	1 Cycle 完全放电 1 Cycle Fully Discharged		О	
16 C	1 Cycle 完全放电 1 Cycle Fully Discharged		О	
17 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O	
18 C	1 Cycle 完全放电 1 Cycle Fully Discharged		О	
19 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O	
20 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O	
21 C	25 Cycles 完全放电 25 Cycles Fully Discharged		О	
22 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
23 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
24 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
25 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
26 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
27 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
28 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
29 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
30 C	25 Cycles 完全放电 25 Cycles Fully Discharged		O	
以下空白	Blank below			

注: D-解体, F-起火, O-无解体且无起火

Note: D-Disassembly, F-Fire, O-No disassembly and no fire.

Form NO. W11-002-B08

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待测物照片 Sample Pictures:

Control Number: SASU-2508001 Issue Date: 2025/08/19









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Issue Date: 2025/08/19

仪器清册 Test Equipment List:

SMP SIMPLO TECHNOLOGY CO., LTD.

Address: No.471, Sec.2, Pa Teh Rd., Hu Kou, Hsin Chu Hsien 303, Taiwan

TEL: +886-3-5695920; FAX: +886-3-5695931 Revised Date: 2025-06-13

Used	lacta man.	I c	100011110	truments Reference Lis	I	Colibration	Calibration	_
_	Instrument ID	Instrument Name	Туре	Range of use	Manufacturer	Calibration Date_Last	Calibration Date_Next	Remark
	Pretest							
V	ML-761	Learning	715C	0~18V 0~7A	SMP	2025/1/14	2026/2/14	-
v	ML-762	Learning	715C	0~18V 0~7A	SMP	2025/1/2	2026/2/2	+
V	ML-763	Learning	715C	0~18V 0~7A	SMP	2025/1/14	2026/2/14	-
	ML-925	Learning	750C8	20~60V 0~30A	SMP	2025/1/2	2026/2/2	EV
V	ML-1139	Learning	L720-191212-D	0~18V 0~12A	SMP	2025/1/2	2026/2/2	EV.
	ML-1157	Learning e Simulation	17020E	200V, 400A, 40 Kw	Chroma	2025/5/7	2026/6/7	EV
v	ML-522	Altitude	SVT-120	LD0.05	HSIN JIANG	2025/5/7	2020/017	
v	ML-257	Multimeter	34401A	kPa:0~95 DCV: 0.1,1,10,100,1000V;	Agilent	2025/5/7	2026/6/7	
				DCI : 0.01,0.1,1,2,3A				-
V	ML-995	Electronic Balance	UX1020H	0.1-200 gf(TAF) 0.1-1000 gf	SHIMADZU	2025/1/6	2026/2/6	+
_	ML-1035	Electronic Balance	JWI-700W	0.01~30kg	JADEVER	2025/5/7	2026/6/7	-
	ML-1169	Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
٧	ML-1207	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	_
V	ML-964	Barometric Air Pressure	MP55	750 to 1095 mbar	KIMO	2025/5/14	2026/6/14	1
	T.2 Therma							
V	ML-789	Thermal Shock	GTST-080-65-AW	T:-40 to 100°C	GF	2025/1/2	2026/2/2	
	ML-1242	Temperature Chamber	GCT-1000-60-CP- AR10	T:-60 to 150°C	GIANT FORCE	2025/2/13	2026/3/13	EV
v	ML-257	Multimeter	34401A	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A	Agilent	2025/1/2	2026/2/2	
v	ML-995	Electronic Balance	UX1020H	0.1-200 gf(TAF) 0.1-1000 gf	SHIMADZU	2025/1/6	2026/2/6	
	ML-1035	Electronic Balance	JWI-700W	0.01~30kg	JADEVER	2025/5/7	2026/6/7	1
	ML-1169	Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
_	ML-1164	Data Logger	LR8514	15~35 °C; 30~80 %RH	нокі	2025/3/28	2026/4/28	EV
v	ML-1206	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
Ť	T.3 Vibratio		LIX-0314	15~35 C, 30~60 %KH	HIOKI	2023/3/14	2020/4/14	1
v	ML-233	Vibration	KD-9363-EM-300F2K- 30N80	F:2~2000Hz G:0.2~8G	King Design	2024/7/18	2025/8/18	
	ML-1161	Vibration	KD-9363-EM5000F2K- 76N800	F:2~2000Hz G:0.2~8G	King Design	2025/1/20	2026/2/20	EV
v	ML-257	Multimeter	34401A	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A	Agilent	2025/1/2	2026/2/2	
٧	ML-995	Electronic Balance	UX1020H	0.1-200 gf(TAF) 0.1-1000 gf	SHIMADZU	2025/1/6	2026/2/6	
	ML-1035	Electronic Balance	JWI-700W	0.01~30kg	JADEVER	2025/5/7	2026/6/7	_
	ML-1169	Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
	ML-1163	Data Logger	LR8514	15~35 °C; 30~80 %RH	нокі	2025/4/14	2026/5/14	EV
v	ML-1152				HIOKI	2025/4/14	2026/5/14	LV
<u> </u>	T.4 Shock	Data Logger	LR-8514	15~35 °C; 30~80 %RH	HIOKI	2023/4/14	2020/3/14	+
		ChI	DD 4000 05	C:40 F00C	Vine Desire	2024/7/40	2025/0/40	
V	ML-056	Shock	DP-1200-25 KingDesign / DP-1200-	G:10~500G	King Design	2024/7/18	2025/8/18	in an an
	ML-1160	Shock	100	(3~20)ms, (7~150)g	King Design	2025/5/6	2026/6/6	EV
V	ML-257	Multimeter	34401A	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A	Agilent	2025/1/2	2026/2/2	
v	ML-995	Electronic Balance	UX1020H	0.1-200 gf(TAF) 0.1-1000 gf	SHIMADZU	2025/1/6	2026/2/6	
	ML-1035	Electronic Balance	JWI-700W	0.01~30kg	JADEVER	2025/5/7	2026/6/7	
		Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
_		Data Logger	LR8514	15~35 °C; 30~80 %RH	HIOKI	2025/4/14	2026/5/14	EV
	ML-1206	Data Logger	LR-8514	15~35 °C; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
v		al Short Circuit						
				10mΩ ~ 3kΩ 0-59V	HIOKI	2025/4/7	2026/5/7	1
	T.5 Externa ML-894	Battery Hitester	BT3562	1011122 01122 0 001				
280 1	ML-894	Battery Hitester Multimeter	34401A	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A	Agilent	2025/1/2	2026/2/2	
v	ML-894			DCV: 0.1,1,10,100,1000V;	Agilent Yokogawa	2025/1/2 2024/6/28	2026/2/2	,
v	ML-894 ML-257	Multimeter	34401A	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A				
v	ML-894 ML-257 ML-459	Multimeter Data Acquisition	34401A MX100-E-1D	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A 1-100 Vdc, 0 to 200°C	Yokogawa	2024/6/28	2025/7/28	
v	ML-894 ML-257 ML-459 ML-460	Multimeter Data Acquisition Data Acquisition	34401A MX100-E-1D MX100-E-1D	DCV: 0.1,1,10,100,1000V; DCI: 0.01,0.1,1,2,3A 1-100 Vdc, 0 to 200°C 1-100 Vdc, 0 to 200°C	Yokogawa Yokogawa	2024/6/28 2024/6/28	2025/7/28 2025/7/28	

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Address: No.471, Sec.2, Pa Teh Rd., Hu Kou, Hsin Chu Hsien 303, Taiwan

TEL: +886-3-5695920; FAX: +886-3-5695931 Revised Date: 2025-06-13

	Instrument			struments Reference Lis	V	Calibration	Calibration	1
sed	ID Instrument	Instrument Name	Туре	Range of use	Manufacturer	Date_Last	Date_Next	Remark
	ML-1164	Data Logger	LR8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/28	2026/4/28	EV
- 8	ML-521	Oven	9031	30~70 °C	YEOW LONG	2024/8/16	2025/9/16	
٧	ML-1023	Oven	GCT-125-20-TR-SP	-20~100 °C	GF	2024/7/19	2025/8/19	
	ML-1206	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
	ML-1225	Temperature Chamber	GCT-420DU-40-CP- AR	-40~100 °C	Giant Force	2024/11/26	2025/12/26	EV
	T.6 Impact	/ Crush						
v	ML-458	Data Acquisition	XL122-D	1-50 Vdc, 0 to 200°C	Yokogawa	2025/4/11	2026/5/11	
	ML-1153	Data Acquisition	LR-8450	1-100 Vdc, 0 to 500°C	HIOKI	2025/4/11	2026/5/11	
	ML-1016	Impact Tester	KD-2054E	9.1kg 15.8mm H:610mm	King Design	2025/3/21	2026/4/21	
	ML-553	Crush Tester	BCT-01	1.32~10.2 ton Speed : 10, 15, 20mm/s	Simplo	2025/3/21	2026/4/21	
v	ML-866	Crush Tester	M0654	1327kg 15mm 2-5 Vdc, 10 to 200°C	JYI SHENG	2025/2/20	2026/3/20	
v	ML-1208	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	нокі	2025/3/14	2026/4/14	
	ML-459	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2024/6/28	2025/7/28	
	T.7 Overch							
	ML-482	Programmable DC Source	DS10014	1-100Vdc, 0.3-14.4A	MOTECH	2025/4/11	2026/5/11	
	ML-489	Programmable DC Source	DS10014	1-100Vdc, 0.3-14.4A	MOTECH	2025/4/11	2026/5/11	
	ML-904	Programmable DC Source	DS10014-MO	1-100Vdc, 0.3-14.4A	B&K Precision	2025/4/11	2026/5/11	
	ML-487	Programmable DC Source	DS6024	1-60 Vdc, 0.3-24A	MOTECH	2025/4/11	2026/5/11	+
	ML-490	Programmable DC Source	DS6024	1-60 Vdc, 0.3-24A	MOTECH	2025/5/8	2026/6/8	_
_	ML-1157		17020E	200V. 400A. 40 Kw		2025/5/7	2026/6/7	EV
_		Learning			Chroma			_
_	ML-1006	Learning	17020 (69225-100-4)	200V, 400A, 40 Kw	Chroma	2024/8/20	2025/9/20	EV
_	ML-1153	Data Acquisition	LR-8450	1-100 Vdc, 0 to 500°C	HIOKI	2025/4/11	2026/5/11	EV
	ML-1159	Chamber	GTH-1000-60-CP- AR10	T:-60 to 100°C	GF	2025/4/11	2026/5/11	EV
	ML-1164	Data Logger	LR8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/28	2026/4/28	EV
	ML-1208	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	-
v	ML-1207	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	-
	ML-459	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2024/6/28	2025/7/28	-
	ML-460	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2024/6/28	2025/7/28	_
	ML-918	Overcharge & Forced discharge tester	T901	Charge: 0.2~29.4Vdc, 0.2~18A Discharge: 3~19.5Vdc 0.1~11A	SMP	2025/3/7	2026/4/7	
v	ML-1200	Overcharge & Forced discharge tester	T901	Charge: 0.2~29.4Vdc, 0.2~18A Discharge: 3~19.5Vdc 0.1~17A	SMP	2025/4/11	2026/5/11	
	ML-1000	TEMP. & HUMIDITY CHAMBER	GTH-360DU-40-CP- AR	-40~100 °C	GIANT FORCE	2024/8/20	2025/9/20	EV
	T.8 Forced	Discharge						
	ML-894	Battery Hitester	BT3562	10mΩ ~ 3kΩ 0-59V	HIOKI	2025/4/7	2026/5/7	
	ML-132	Electronic Load	3311C	60V,60A, 300W	Prodigit	2025/1/13	2026/2/13	
	ML-133	Electronic Load	3311C	60V,60A, 300W	Prodigit	2025/1/13	2026/2/13	
	ML-136	Electronic Load	3311C	60V,60A, 300W	Prodigit	2025/1/13	2026/2/13	
	ML-192	Electronic Load	3311C	60V,60A, 300W	Prodigit	2025/1/13	2026/2/13	
	ML-269	Electronic Load	3311C	60V,60A, 300W	Prodigit	2025/1/13	2026/2/13	
	ML-532	DC Electronic Load	33511-01	120V, 99.64A	Prodigit	2025/5/7	2026/6/7	
	ML-482	Programmable DC Source	DS10014	1-100Vdc, 0.3-14.4A	MOTECH	2025/4/11	2026/5/11	
	ML-489	Programmable DC Source	DS10014	1-100Vdc, 0.3-14.4A	MOTECH	2025/4/11	2026/5/11	
	ML-904	Programmable DC Source	DS10014-MO	1-100Vdc, 0.3-14.4A	B&K Precision	2025/4/11	2026/5/11	
	ML-487	Programmable DC Source	DS6024	1-60 Vdc, 0.3-24A	MOTECH	2025/4/11	2026/5/11	
	ML-490		DS6024	1-60 Vdc, 0.3-24A	MOTECH	2025/5/8	2026/6/8	
	ML-1208	Data Logger	LR-8514	15~35 °C; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	1
v	ML-1207	Data Logger	LR-8514	15~35 °C; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
	ML-459	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2024/6/28	2025/7/28	
	ML-460	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2024/6/28	2025/7/28	
_	3.000.000.000	Overcharge & Forced		Charge: 0.2~29.4Vdc, 0.2~18A	O-common	5.5.00.0000000000000000000000000000000	400-000-000-000	1
	ML-918	discharge tester	T901	Discharge: 3~19.5Vdc 0.1~11A	SMP	2025/3/7	2026/4/7	
v	ML-1200	Overcharge & Forced discharge tester	T901	Charge: 0.2~29.4Vdc, 0.2~18A Discharge: 3~19.5Vdc 0.1~17A	SMP	2025/4/11	2026/5/11	1

报告结束 End of Test Report

Form NO. W11-002-B08

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