

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, C41N2303-1, 15.48V, 90Wh, Capacity 5808mAh (Typical)/
Sample name: 5636mAh (Rated)/ 88Wh/ BYD/ 316(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

批准 Approved By	审核 Checked By	编制 Prepared By
经理/报告签署人 Manager/ Authorized Signatory	报告签署人 Authorized Signatory	测试工程师 Test Engineer
		



新普科技股份有限公司
Simplo Technology Co., Ltd.

地址：新竹县湖口乡八德路2段471号

471 Pa Teh Rd, Sec 2 Hu Kou, Hsinchu Hsien, 303 Taiwan

TEL: +886-3-5695920, FAX: +886-3-5695931

Email : Test_Lab@simplo.com.tw Website : <http://www.simplo.com.tw/>

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

样品名称 Sample name	可充电电池组 Rechargeable Li-ion Battery Pack ASUS, C41N2303-1, 15.48V, 90Wh, Capacity 5808mAh (Typical)/ 5636mAh (Rated)/ 88Wh/ BYD/ 316(g)		
委托单位 Consignor	新普科技股份有限公司 SIMPLO TECHNOLOGY CO., LTD.		
生产单位 Manufacturer	新普科技（重庆）有限公司 SIMPLO TECHNOLOGY (CHONGQING) INC		
检测方法/判定标准 Test method/Criterion	联合国《标准与试验手册》ST/SG/AC.10/11/Rev8, section 38.3 UN Manual of the Tests and Criteria, Eighth revised edition, section 38.3		
样品外观 Appearance	黑色塑料外壳。 Black plastic film shell.		
样品接受日期 Accepted Date	Cell 2025/06/17	检测起迄日期 Test Date	Cell Test Duration: 2025/06/17~2025/07/04
	Pack 2025/07/02		Pack Test Duration: 2025/07/02~2025/07/17
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，该样品试验符合联合国《标准与试验手册》ST/SG/AC.10/11/Rev8, section 38.3 标准要求。 The test results complied with the requirements of UN “Manual of the Tests and Criteria, Eighth revised edition.” , section 38.3		
备注 Remarks			

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
 This test report is valid only to the items, Invalid for separation using.

报告版本清单 List of report version		
版本 Version	修改内容 Modify content	生效日 Issue date
01	First publish	2025/07/24
以下空白	Blank below	

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 试验 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 试验 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 试验 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 试验 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	

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

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
	以下空白	Blank below		

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

<p>检测环境条件 Test environment condition</p>	<p>环境温度：21.3°C~29.1°C；环境湿度：31%~46%。 Ambient temperature：21.3°C~29.1°C；Ambient humidity：31%~46%。</p>
<p>报告声明 Report statement</p>	<p>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.</p>
	<p>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.</p>
	<p>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.</p>

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

附表 1 Appendix 1

序号 No.	1	检测项目 Test items			高度模拟 Altitude Simulation			
		开路电压 OCV/V		剩余 电压 Residual OCV	质量 Mass/g		质量 损失 Mass loss	其他现象 Other Event
试样 编号 Sample No.	样品状态 Sample Status	试验前 Before	试验后 After		试验前 Before	试验后 After		
01	1 Cycle 完全充电 1 Cycle Fully charged	17.226	17.218	99.95%	314.919	314.911	0.00%	O
02	1 Cycle 完全充电 1 Cycle Fully charged	17.219	17.208	99.94%	315.331	315.322	0.00%	O
03	1 Cycle 完全充电 1 Cycle Fully charged	17.229	17.217	99.93%	315.130	315.124	0.00%	O
04	1 Cycle 完全充电 1 Cycle Fully charged	17.235	17.220	99.91%	315.072	315.061	0.00%	O
05	25 Cycles 完全充电 25 Cycles Fully charged	17.280	17.269	99.94%	315.366	315.354	0.00%	O
06	25 Cycles 完全充电 25 Cycles Fully charged	17.290	17.272	99.90%	314.815	314.801	0.00%	O
07	25 Cycles 完全充电 25 Cycles Fully charged	17.326	17.311	99.91%	314.877	314.863	0.00%	O
08	25 Cycles 完全充电 25 Cycles Fully charged	17.276	17.262	99.92%	315.021	315.012	0.00%	O
以下 空白	Blank below							

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.

附表 2 Appendix 2

序号 No.	2	检测项目 Test items			热测试 Thermal Test			
试样 编号 Sample No.	样品状态 Sample Status	开路电压 OCV/V		剩余 电压 Residual OCV	质量 Mass/g		质量 损失 Mass loss	其他现象 Other Event
		试验前 Before	试验后 After		试验前 Before	试验后 After		
01	1 Cycle 完全充电 1 Cycle Fully charged	17.218	16.958	98.49%	314.911	314.854	0.02%	O
02	1 Cycle 完全充电 1 Cycle Fully charged	17.208	16.956	98.54%	315.322	315.266	0.02%	O
03	1 Cycle 完全充电 1 Cycle Fully charged	17.217	16.959	98.50%	315.124	315.064	0.02%	O
04	1 Cycle 完全充电 1 Cycle Fully charged	17.220	16.960	98.49%	315.061	315.010	0.02%	O
05	25 Cycles 完全充电 25 Cycles Fully charged	17.269	16.993	98.40%	315.354	315.306	0.02%	O
06	25 Cycles 完全充电 25 Cycles Fully charged	17.272	17.005	98.45%	314.801	314.754	0.01%	O
07	25 Cycles 完全充电 25 Cycles Fully charged	17.311	17.039	98.43%	314.863	314.819	0.01%	O
08	25 Cycles 完全充电 25 Cycles Fully charged	17.262	16.997	98.46%	315.012	314.958	0.02%	O
以下 空白	Blank below							

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.

附表 3 Appendix 3

序号 No.	3	检测项目 Test items			振动 Vibration			
试样 编号 Sample No.	样品状态 Sample Status	开路电压 OCV/V		剩余 电压 Residual OCV	质量 Mass/g		质量 损失 Mass loss	其他现象 Other Event
		试验前 Before	试验后 After		试验前 Before	试验后 After		
01	1 Cycle 完全充电 1 Cycle Fully charged	16.958	16.882	99.55%	314.854	314.861	0.00%	O
02	1 Cycle 完全充电 1 Cycle Fully charged	16.956	16.879	99.55%	315.266	315.272	0.00%	O
03	1 Cycle 完全充电 1 Cycle Fully charged	16.959	16.881	99.54%	315.064	315.070	0.00%	O
04	1 Cycle 完全充电 1 Cycle Fully charged	16.960	16.836	99.27%	315.010	315.020	0.00%	O
05	25 Cycles 完全充电 25 Cycles Fully charged	16.993	16.890	99.39%	315.306	315.313	0.00%	O
06	25 Cycles 完全充电 25 Cycles Fully charged	17.005	16.901	99.39%	314.754	314.760	0.00%	O
07	25 Cycles 完全充电 25 Cycles Fully charged	17.039	16.906	99.22%	314.819	314.830	0.00%	O
08	25 Cycles 完全充电 25 Cycles Fully charged	16.997	16.894	99.39%	314.958	314.965	0.00%	O
以下 空白	Blank below							

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.

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

附表 4 Appendix 4

序号 No.	4	检测项目 Test items			冲击 Shock			
试样 编号 Sample No.	样品状态 Sample Status	开路电压 OCV/V		剩余 电压 Residual OCV	质量 Mass/g		质量 损失 Mass loss	其他现象 Other Event
		试验前 Before	试验后 After		试验前 Before	试验后 After		
01	1 Cycle 完全充电 1 Cycle Fully charged	16.882	16.870	99.93%	314.861	314.855	0.00%	O
02	1 Cycle 完全充电 1 Cycle Fully charged	16.879	16.861	99.89%	315.272	315.265	0.00%	O
03	1 Cycle 完全充电 1 Cycle Fully charged	16.881	16.870	99.93%	315.070	315.064	0.00%	O
04	1 Cycle 完全充电 1 Cycle Fully charged	16.836	16.823	99.92%	315.020	315.013	0.00%	O
05	25 Cycles 完全充电 25 Cycles Fully charged	16.890	16.871	99.89%	315.313	315.306	0.00%	O
06	25 Cycles 完全充电 25 Cycles Fully charged	16.901	16.886	99.91%	314.760	314.753	0.00%	O
07	25 Cycles 完全充电 25 Cycles Fully charged	16.906	16.889	99.90%	314.830	314.822	0.00%	O
08	25 Cycles 完全充电 25 Cycles Fully charged	16.894	16.880	99.92%	314.965	314.957	0.00%	O
以下 空白	Blank below							

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.

附表 5 Appendix 5

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	表面最高温度 Max. External Temperature/°C (<170°C)	其他现象 Other Event
01	1 Cycle 完全充电 1 Cycle Fully charged	58.8	O
02	1 Cycle 完全充电 1 Cycle Fully charged	58.8	O
03	1 Cycle 完全充电 1 Cycle Fully charged	58.8	O
04	1 Cycle 完全充电 1 Cycle Fully charged	60.2	O
05	25 Cycles 完全充电 25 Cycles Fully charged	58.8	O
06	25 Cycles 完全充电 25 Cycles Fully charged	58.7	O
07	25 Cycles 完全充电 25 Cycles Fully charged	58.8	O
08	25 Cycles 完全充电 25 Cycles Fully charged	59.2	O
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.

附表 6-1 Appendix 6-1

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	表面最高温度 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
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

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

附表 6-2 Appendix 6-2

序号 No.	6-2	检测项目 Test items	挤压 Crush
试样编号 Sample No.	样品状态 Sample Status	表面最高温度 Max. External Temperature/°C (<170°C)	其他现象 Other Event
01 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	31.8	O
02 C	1Cycle 50% 容量 1 Cycle 50% Capacity	32.5	O
03 C	1Cycle 50% 容量 1 Cycle 50% Capacity	32.0	O
04 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	32.3	O
05 C	1 Cycle 50% 容量 1 Cycle 50% Capacity	32.4	O
06 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	31.0	O
07 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	31.2	O
08 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	31.5	O
09 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	32.2	O
10 C	25 Cycles 50% 容量 25 Cycles 50% Capacity	31.9	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

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

附表 7 Appendix 7

序号 No.	7	检测项目 Test items	过充电 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 1 Cycle Fully charged		O
10	1 Cycle 完全充电 1 Cycle Fully charged		O
11	1 Cycle 完全充电 1 Cycle Fully charged		O
12	1 Cycle 完全充电 1 Cycle Fully charged		O
13	25 Cycles 完全充电 25 Cycles Fully charged		O
14	25 Cycles 完全充电 25 Cycles Fully charged		O
15	25 Cycles 完全充电 25 Cycles Fully charged		O
16	25 Cycles 完全充电 25 Cycles Fully charged		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

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

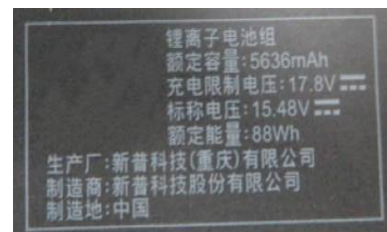
附表 8 Appendix 8

序号 No.	8	检测项目 Test items	强制放电 Forced Discharge
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		O
12 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O
13 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O
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		O
16 C	1 Cycle 完全放电 1 Cycle Fully Discharged		O
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		O
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		O
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.

待测物照片 Sample Pictures:



Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本測試報告僅對上述測試項目有效，本報告分離使用無效
 This test report is valid only to the items, Invalid for separation using.

儀器清冊 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: 2025-07-24

Test Instruments Reference List								
Used	Instrument ID	Instrument Name	Type	Range of use	Manufacturer	Calibration Date Last	Calibration Date Next	Remarks
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	
	ML-1157	Learning	17020E	200V, 400A, 40 Kw	Chroma	2025/5/7	2026/6/7	EV
T.1 Altitude Simulation								
V	ML-522	Altitude	SVT-120	kPa:0~95	HSIN JIANG	2025/5/7	2026/6/7	
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	
	ML-1169	Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
V	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	
T.2 Thermal Test								
V	ML-789	Thermal Shock	GTST-080-65-AW	T:-40 to 100℃	GF	2025/1/2	2026/2/2	
	ML-1242	Temperature Chamber	GCT-1000-60-CP-AR10	T:-60 to 150℃	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	
	ML-1169	Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
	ML-1164	Data Logger	LR8514	15~35 ℃; 30~80 %RH	HIOKI	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	
T.3 Vibration								
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	
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
	ML-1163	Data Logger	LR8514	15~35 ℃; 30~80 %RH	HIOKI	2025/4/14	2026/5/14	EV
V	ML-1152	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/4/14	2026/5/14	
T.4 Shock								
V	ML-056	Shock	DP-1200-25	G:10~500G	King Design	2024/7/18	2025/8/18	
	ML-1160	Shock	KingDesign / DP-1200-100	(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	
	ML-1169	Electronic Balance	JWI-700W	1~60kg	JADEVER	2025/5/5	2026/6/5	EV
	ML-1163	Data Logger	LR8514	15~35 ℃; 30~80 %RH	HIOKI	2025/4/14	2026/5/14	EV
V	ML-1206	Data Logger	LR-8514	15~35 ℃; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
T.5 External Short Circuit								
V	ML-894	Battery Hitester	BT3562	10mΩ ~ 3kΩ 0-59V	HIOKI	2025/4/7	2026/5/7	
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	
	ML-459	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200℃	Yokogawa	2025/6/18	2026/7/18	
	ML-460	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200℃	Yokogawa	2025/6/18	2026/7/18	
	ML-1153	Data Acquisition	LR-8450	1-100 Vdc, 0 to 500℃	HIOKI	2025/4/11	2026/5/11	
V	ML-339	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200℃	Yokogawa	2025/4/11	2026/5/11	
	ML-1159	Chamber	GTH-1000-60-CP-AR10	T:-60 to 100℃	GF	2024/8/20	2025/9/20	EV

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.

Test Instruments Reference List

Used	Instrument ID	Instrument Name	Type	Range of use	Manufacturer	Calibration Date Last	Calibration Date Next	Remarks
	ML-1164	Data Logger	LR8514	15~35 °C; 30~80 %RH	HIOKI	2025/3/28	2026/4/28	EV
	ML-521	Oven	9031	30~70 °C	YEOW LONG	2024/8/16	2025/9/16	
V	ML-1203	Oven	GCT-125-20-TR-SP	-20~100 °C	GF	2024/7/19	2025/8/19	
V	ML-1206	Data Logger	LR-8514	15~35 °C; 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 °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	2025/6/18	2026/7/18	
T.7 Overcharge								
	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	Learning	17020E	200V, 400A, 40 Kw	Chroma	2025/5/7	2026/6/7	EV
	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 °C; 30~80 %RH	HIOKI	2025/3/28	2026/4/28	EV
	ML-1208	Data Logger	LR-8514	15~35 °C; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
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	2025/6/18	2026/7/18	
	ML-460	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2025/6/18	2026/7/18	
	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	Programmable DC Source	DS6024	1-60 Vdc, 0.3-24A	MOTECH	2025/5/8	2026/6/8	
V	ML-1208	Data Logger	LR-8514	15~35 °C; 30~80 %RH	HIOKI	2025/3/14	2026/4/14	
	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	2025/6/18	2026/7/18	
	ML-460	Data Acquisition	MX100-E-1D	1-100 Vdc, 0 to 200°C	Yokogawa	2025/6/18	2026/7/18	
V	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	
	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	

Note 1: DC Voltage: 0.1-1000V; AC Voltage: 0.5-700V at 60Hz, 1kHz; Resistance: 10Ω-10MΩ; DC Current: 0.1mA-3A; AC Current: 0.01-3A at 60Hz, 0.01-1A, at 1kHz.

报告结束 End of Test Report

Form NO. W11-002-B08

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本测试报告仅对上述测试项目有效,本报告分离使用无效
This test report is valid only to the items, Invalid for separation using.