



TEST REPORT

Report No. : (6225)234-0128
Date : October 28, 2025
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APPLICANT

申請人

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CONTACT PERSON

聯絡人

: —

DATE OF SUBMISSION

送樣日期

: August 25, 2025
: 2025 年 08 月 25 日

PERFORMANCE PERIOD

測試日期

: August 25, 2025 to September 08, 2025
: 2025 年 08 月 25 日至 2025 年 09 月 08 日

SAMPLE DESCRIPTION

樣品描述

: Battery Module

ITEM NO.

產品型號

: TW-BP-2450B (CE)

SERIES MODEL

系列型號

: TW-BP-2450A1 (CE)/ TW-BP-2450B/ TW-BP-2450A1

SUMMARY OF TEST RESULTS 測試結果摘要

TEST REQUESTED 測試要求	CONCLUSION 結論	REMARK 備註
Total Heavy Metals Content in Other Batteries and Accumulators - European Parliament and Council Amendment 2023/1542/EU 其他電池和蓄電池的總重金屬含量 - 歐洲議會和理事會指令 2023/1542/EU 修訂	PASS 通過	—

C/N /TC/JK



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REMARK 備註

If there are questions or concerns on this report, please contact:

若有任何疑問或諮詢，請與我們聯絡：

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(HONG KONG) LIMITED, TAIWAN BRANCH

PREPARED BY : Tiffany Chin

VICO LIN
MANAGER
ANALYTICAL DEPARTMENT

TEST RESULT 測試結果

Tested item 測試部件	
1.	Whole battery cell / 整個電池芯

Total Heavy Metals Content in Other Batteries and Accumulators - European Parliament and Council Directive Amendment 2023/1542/EU

其他電池和蓄電池的總重金屬含量 - 歐洲議會和理事會指令 2023/1542/EU 修訂

Test Item(s) 測試部件	1		Requirement 要求
Parameter 元素	Unit 單位	Result 結果	
Total Mercury (Hg) / 總汞	%	N.D. 未檢出	< 0.0005%
Conclusion 結論	—	PASS 通過	—

Test Item(s) 測試部件	1		Requirement 要求
Parameter 元素	Unit 單位	Result 結果	
Total Cadmium (Cd) / 總鎘	%	N.D. 未檢出	< 0.002 % ^[b]
Total Lead (Pb) / 總鉛	%	N.D. 未檢出	< 0.01 % ^{[a] [b]}

Note 註解:

N.D. = Not Detected (未檢出/ 低於報告限值)

% = percent (百分比)

Reporting Limit / 報告限值:

Hg: 0.0001%, Cd: 0.001%, Pb: 0.001%

^[a] The restriction set out in point 1 shall not apply to portable zinc-air button cells until 18 August 2028.

^[a] 第 1 點中規定的限制在 2028 年 8 月 18 日之前不適用於可攜式鋅-空氣鈕扣電池(zinc-air button cells)。

^[b] Total lead and total cadmium requirement apply for portable batteries only.

^[b] 總鉛和總鎘的規範只適用於可攜式電池。

Test Parameter 測試項目	Test Method 測試方法
Total Heavy Metals Content in Other Batteries and Accumulators 其他電池和蓄電池的總重金屬含量	Acid digestion, determination of cadmium, lead and mercury by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES). 使用酸消化, 使用電感耦合等離子體原子發射光譜儀 (ICP-AES)測試鎘、鉛和汞。

Remark 備註:

1. The result only relates to the tested item. The report shall not be reproduced except full without the written approval of the testing laboratory.

測試結果僅代表經測試部件。本報告未經測試實驗室認可不得複製。

2. Samples test were conducted as per applicant's request.
樣品測試進行為依照申請人的要求。

Photo of the Submitted Sample
委送樣品照片



Sample