

Test Report

No.: SZXPC24003867801

Date: Dec 20, 2024

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Client Name: LIYUAN BATTERY TECHNOLOGY (YICHUN) CO., LTD

Client Address: 166 FOODSTUFF DADAO, SHANGGAO COUNTY, YICHUN CITY, JIANGXI PROVINCE, CHINA

Sample Name: CR2032

Client Ref. Information: CR2032 CR2025 CR2016 CR2020CR2450 CR2430 CR2050 . CR2477 CR1632 CR1620 CR1616 CR1625 CR1220 . CR1225 CR1216 CR1025 CR927 CR2354 CR2330 . CR123 CR2 CR3032 . CR3882 CR2032HT CR1632HT CR2450HT CR2050HT CR1620HT CR1225HT CR1220HT CR1616HT CR2016HT CR2025HT CR2477HT CR1216HT CR1625HT CR2430HT CR1025HT CR927HT CR2032HR, CR2050HR, CR2450HR CR1632HR, CR1225HR CR1220HR

Other: Sample type: portable batteries (non zinc-air button cells)

The above sample(s) and information were provided by the client.

SGS Job No.: SZPC2412007653

Sample Receiving Date: Dec 11, 2024

Testing Period: Dec 11, 2024 ~ Dec 17, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Annex I of Regulation (EU) 2023/1542– Heavy Metals Content in batteries and waste batteries	Pass

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

May

May Bei
Approved Signatory

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Shenzhen Branch Testing Services Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	SZX24-0038678-0001.C001	Silvery battery body

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Annex I of Regulation (EU) 2023/1542– Heavy Metals Content in batteries and waste batteries

Test Method: SGS In House Method, analysis was performed by ICP-OES or AAS or Hg-analyzer.

Test Item(s)	Limit	Unit(s)	MDL	001
Lead(Pb)	0.01	%	0.0010	ND
Cadmium(Cd)	0.002	%	0.0010	ND
Mercury(Hg)	0.0005	%	0.0001	ND
Conclusion				Pass

Notes:

- (1) Restriction on substances

Column 1 Designation of the substance or group of substances	Column 2 Conditions of restriction
1. Mercury CAS No 7439-97-6 EC No 231-106-7 and its compounds	Batteries, whether or not incorporated into appliances, light means of transport or other vehicles, shall not contain more than 0,0005 % of mercury (expressed as mercury metal) by weight
2. Cadmium CAS No 7440-43-9 EC No 231-152-8 and its compounds	Portable batteries, whether or not incorporated into appliances, light means of transport or other vehicles, shall not contain more than 0,002 % of cadmium (expressed as cadmium metal) by weight
3. Lead CAS No 7439-92-1 EC No 231-100-4 and its compounds	1. From 18 August 2024, portable batteries, whether or not incorporated into appliances, shall not contain more than 0,01 % of lead (expressed as lead metal) by weight. 2. The restriction set out in point 1 shall not apply to portable zinc-air button cells until 18 August 2028.

(2) According to the EU New Battery Regulation (EU) 2023/1542, portable batteries (non portable zinc-air button cells) containing between 0,004 %-0.01 % lead, shall be marked with the chemical symbol for the metal concerned: Pb.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



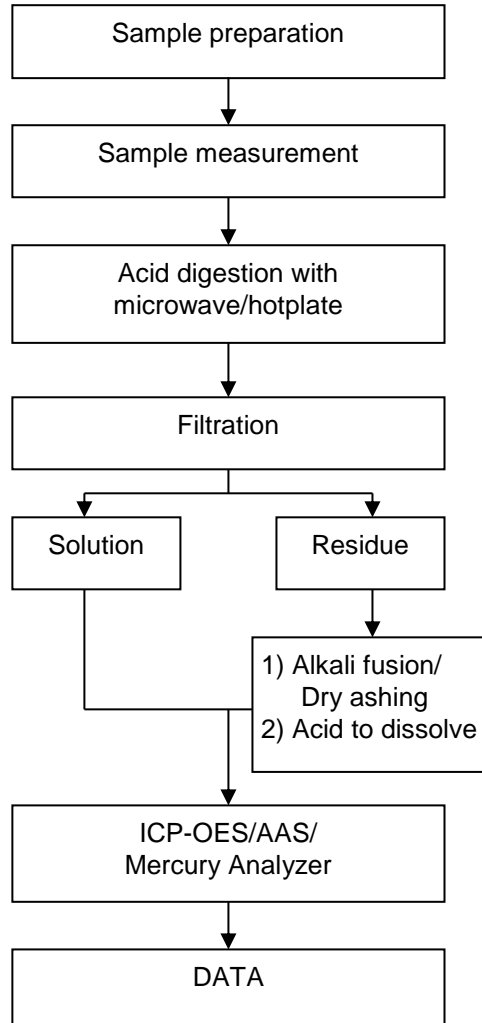
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Battery Testing Flow Chart



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Sample Photo:



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*** End of Report ***



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