

Test Report

No.: CANEC25029845207_2

Date: Mar 23, 2026

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Client Name:

Client Address:

Sample Name: Lithium-Manganese Dioxide Button Cell

Model No.: CR2032

Client Ref. Information: CR2025 CR2016 CR2020 CR2450 CR2430 CR2050 CR2477 CR1632
CR1620 CR1616 CR1625 CR1220 CR1225 CR1216 CR1025 CR927
CR920 CR2354 CR2330 CR123A CR2 CR3032 CR3882 CR2032HT
CR1632HT CR2450HT CR2050HT CR1620HT CR1225HT CR1220HT
CR927HT CR1616HT CR2016HT CR2025HT CR2477HT CR1216HT
CR2430HT CR1025HT CR2032HR CR2450HR CR1632HR
CR1616HR CR2050HR CR1220HR CR1225HR

Sample Type: Portable battery (non-zinc-air button cell)

Manufacturer:

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

THIS REPORT IS TO SUPERSEDE REPORT NO.CANEC25029845207_1, DATE: Dec 10, 2025.

SGS Job No.: SZP25-061176

Sample Receiving Date: Dec 01, 2025

Testing Period: Dec 01, 2025 ~ Dec 05, 2025

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. Guangzhou Branch

Jessie Li

Jessie-JX Li

Approved Signatory

Scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Technical Services Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN25-0298452-0001.C001	"Lithium-Manganese Dioxide Button Cell"

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 (GZTC CHEM-TOP-068), analysis was performed by ICP-OES or AAS or Hg-analyzer.

Test Item(s)	Limit	Unit(s)	MDL	A1
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.

This report updates Sample Type.

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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Guangzhou Branch Technical Laboratory

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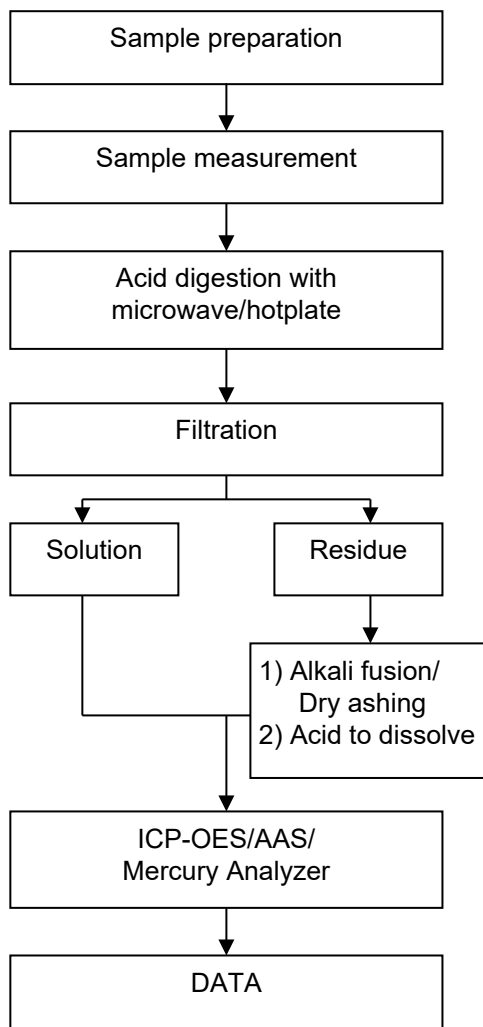
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Battery Testing Flow Chart



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Sample Photo:



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*** End of Report ***



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