

Test Report

No.: CANEC24009913302

Date: May 22, 2024

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Client Name:

Client Address:

Sample Name: CR LITHIUM BUTTON CELL BATTERY

Model No.: CR2032

Client Ref. Information: CR927, CR1025, CR1130, CR1216, CR1220, CR1225, CR1616, CR1616H, CR1616 Neutral Er'an, CR1620, CR1620H, CR1620 Neutral Er'an, CR1625, CR1632, CR1632H, CR1632 Neutral Er'an, CR1632 Chaochuang WT, CR2016, CR2016H, CR2016L, CR2016S, CR2016SC628, CR2016 Lao Zhong'er An, CR2016 Neutral Er'an, CR2016M Er'an, CR2016H Er'an, CR2020, CR2025, CR2025L, CR2025H, CR2025S, CR2025SC628, CR2025LED, CR2025M Er'an, CR2025 Neutral Er'an, CR2025H Er'an, CR2025 Lao Zhong'er An, CR2025 Chaochuang WT, CR2032, CR2032H, CR2032L, CR2032S, CR2032SC628, CR2032LED, CR2032 Neutral Er'an, CR2032H Er'an, CR2032 Lao Zhong'er An, CR2032 Chaochuang WT, CR2032 Neutral WT, CR2032 Chaochuang HWT, CR2050, CR2320, CR2325, CR2330, CR2332, CR2335, CR2354, CR2430, CR2430 Neutral Er'an, CR2430 Chaochuang WT, CR2450, CR2450H, CR2450 Neutral Er'an, CR2450H Er'an, CR2450 Neutral WT, CR2450 Chaochuang WT, CR2450 Chaochuang HWT, CR2477, CR2477H, CR2477 Neutral Er'an, CR2477H Er'an, CR2477 Chaochuang WT, CR2477 Neutral WT, CR2477 Chaochuang HWT, CR3032, CR3032H, CR3032 Neutral Er'an, CR3830, CR632, CR816, CR920

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

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

SGS Job No.: GZP24-015151

Sample Receiving Date: May 15, 2024

Testing Period: May 15, 2024 ~ May 22, 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. Guangzhou Branch

Jany Zhong

Jany Zhong
Approved Signatory

scan to see the report



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

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0099133-0001.C001	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.

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 / 广州分公司

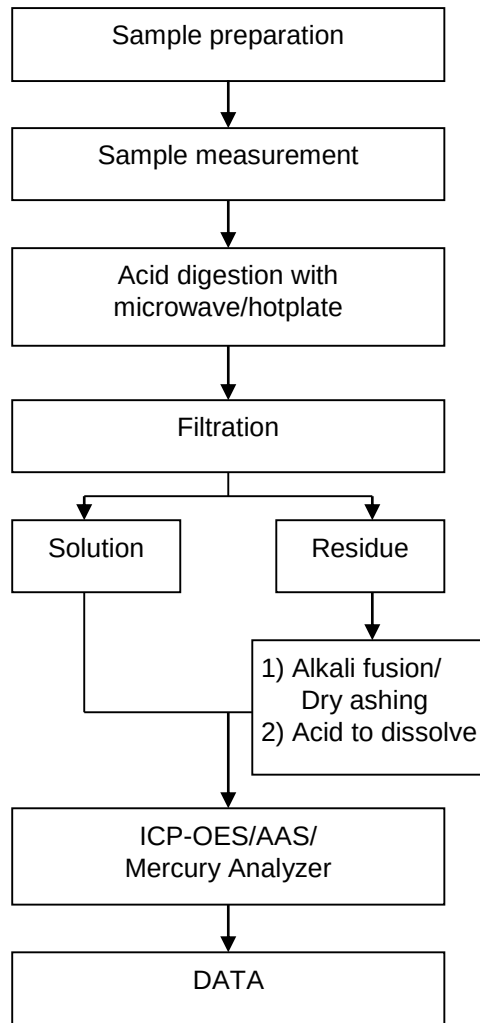
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Battery Testing Flow Chart



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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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Guangzhou Branch Technical Laboratory

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