

## Test Report

No.: CANEC24009913302

Date: May 22, 2024

Page 1 of 4

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



F27C626C



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

# Test Report

No.: CANEC24009913302

Date: May 22, 2024

Page 2 of 4

## 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          |
| <b>Conclusion</b> |        |         |        | <b>Pass</b> |

### Notes:

- (1) Restriction on substances

| Column 1 Designation of the substance or group of substances        | Column 2 Conditions of restriction                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Mercury<br>CAS No 7439-97-6<br>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<br>CAS No 7440-43-9<br>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<br>CAS No 7439-92-1<br>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.<br>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.



SGS-CTI Standards Technical Services Co., Ltd.  
Guangzhou Branch / 广州分公司

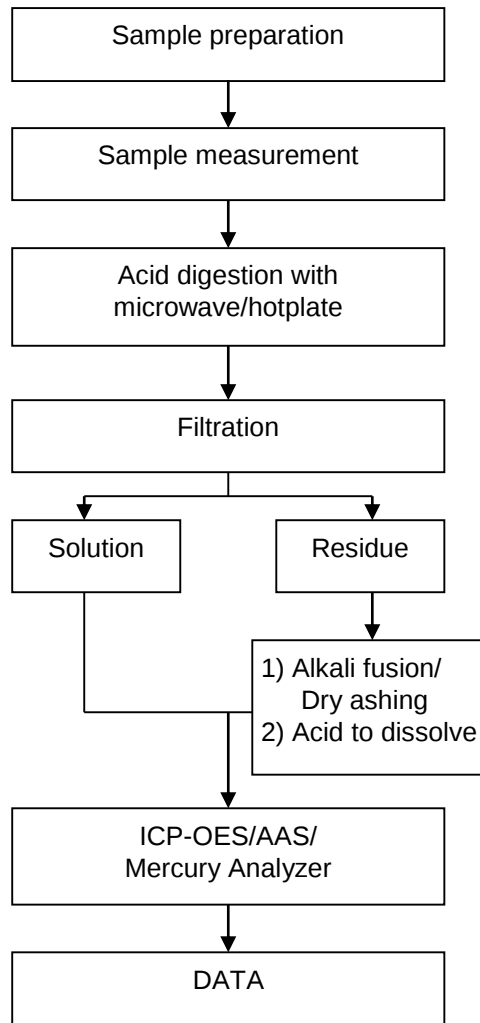
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
t (86-20) 82155555 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

## Battery Testing Flow Chart



## Test Report

No.: CANEC24009913302

Date: May 22, 2024

Page 4 of 4

Sample Photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)