

## Test Report

No.: CANEC23010850301

Date: Oct 09, 2023

Page 1 of 4

Client Name:

Client Address:

Sample Name: CR LITHIUM BUTTON CELL BATTERY

Model No.: CR2032

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

SGS Job No.: GZP23-014948

Sample Receiving Date: Sep 27, 2023

Testing Period: Sep 27, 2023 ~ Oct 09, 2023

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 / 广州分公司 / 检验检测专用章  
Guangzhou Branch / 广州分公司 / 检验检测专用章

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**Test Result(s):**

Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description |
|-------|------------|-------------------------|-------------|
| SN1   | A1         | CAN23-0108503-0001.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> |

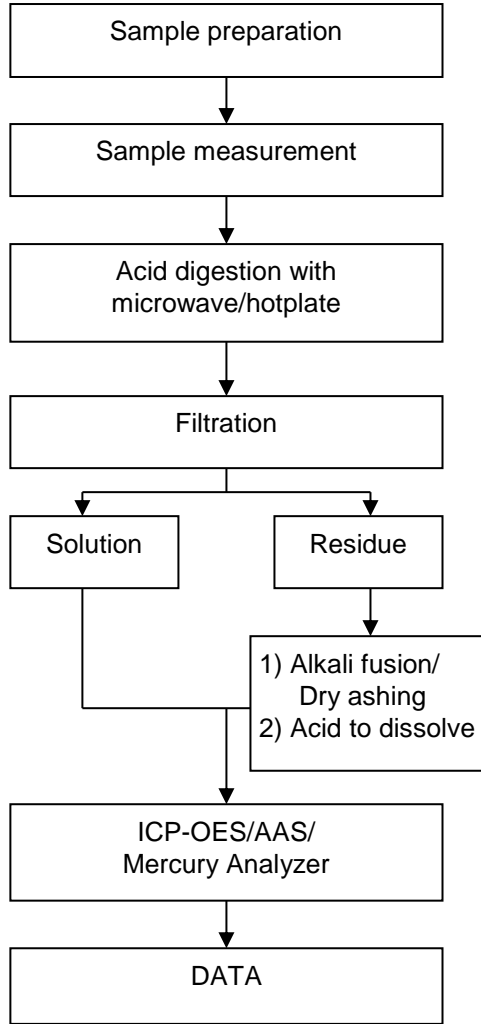
**Notes:**

| Column 1<br>Designation of the substance or group of substances     | Column 2<br>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. |

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.



### Battery Testing Flow Chart



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Page 4 of 4

Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*



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

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