



Test Report

No.: CANEC23009319505

Date: Sep 12, 2023

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Client Name:

Client Address:

Sample Name: Lithium Manganese Dioxide Button Cell

Model No.: CR2032

Client Ref. Information: MITSUBISHI/PHILIPS/NO BRAND/WEEE/NITELZE /ETA/SEIZI/SOXEY/TMMQ CR2025, CR2032, CR2016, CR927, CR1025, CR1220, CR1130, CR1212, CR1216, CR1632, CR1225, CR1616, CR1620, CR1625, CR2430, CR2450, CR2477, CR3032, CR2325, CR2320, CR3232, CR2354, CR2330, CR2025 SCUL, CR2032 SCUL

Supplier:

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

SGS Job No.: GZP23-012511
Sample Receiving Date: Sep 04, 2023
Testing Period: Sep 04, 2023 ~ Sep 11, 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).

Table with 2 columns: Test Requirement, Conclusion. Row 1: 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 (Signature)

Jany Zhong
Approved Signatory

scan to see the report



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### Test Result(s):

#### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	CAN23-0093195-0001.C005	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	A5
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 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.

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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Sample Photo:



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



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