

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.

TEST REPORT

Report No.: WDX24030248EN

Applicant:

Address:

Date: Mar. 14, 2024



Traceability

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Date: Mar. 14, 2024

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Applicant:

Address:

The following merchandise was (were) submitted and identified by client as:

Sample Name: 0% HG MERCURY FREE ALKALINE ZINC MANGANESE
BUTTON CELL

Number of Sample: 1PC

Style of Sample: LR1130

Sample Received Date: Mar. 07, 2024

Completed Date: Mar. 11, 2024

Test Result(s): Please refer to next page(s).

Test Requested and Conclusion(s):

No.	Test Sample(s)	Standard(s) and Requirement(s)	Conclusion(s)	Signed by
1	Submitted sample	REGULATION (EU) 2023/1542 on batteries and waste batteries - Restriction on substances(Mercury, Cadmium, Lead)	PASS	Andy zhu

Test Result(s):

(EU)2023/1542 - Mercury (Hg)/ Cadmium (Cd)/Lead (Pb)

Method:

Lead (Pb)/Cadmium(Cd) - With reference to IEC 62321-5: 2013

Mercury(Hg) - With reference to IEC 62321-4:2013+AMD1:2017

analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) and Atomic fluorescence spectrometry (AFS).

Test Item(s)	Mercury (Hg)	Cadmium (Cd)	Lead (Pb)	Conclusion(s)
RL (%)	0.0005	0.001	0.001	
Limit(s) (%)	0.0005	0.002	0.01	
Material No.	Result(s) (%)			PASS
1	ND	ND	0.002	

Note: 1. According to ANNEX I of (EU)2023/1542:

- (a) 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.
- (b) 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.
- (c) portable batteries, whether or not incorporated into appliances, shall not contain more than 0,01 % of lead (expressed as lead metal) by weight.

2. % = Percent by weight.

3. ND = Not Detected (< RL).

4. RL = Report Limit.

5. As per client's request, only the appointed points and items have been tested.

Test Material List

Material No.	Description(s)	Location(s)
1	Silver metal	Battery



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Photo(s) of Sample(s):



End of Report

Report Remark

1. The company guarantees the scientificity, impartiality and accuracy, is responsible for test data, and keeps confidential for the samples and technical data provided.
2. The information of the samples submitted for inspection is provided by applicant, and the company is not responsible for its authenticity or integrity.
3. The results shown in this report refer only to the sample(s) submitted.
4. This report is invalid without signature of approver, is invalid if not affixed with Authorized Stamp of Test and Paging Seal. The data/results in reports without an CMA stamp are not in the accredited scope of CMA cannot be as domestic social impartiality proof data. It can only used for research and development, teaching, internal quality control, and only for internal reference.
5. Any unauthorized reproduced in part, Any way of piracy, alteration forgery of this report is unlawful.
6. If there are any questions about the report, please contact us.
7. Any dispute of this report must be raised to the center within 10 workdays since the date of receipt, or it will not be accepted.
8. For samples with unstable performance, re-inspection will not be accepted.

CONTACT US

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