中国认可 国际互认 检测 TESTING CNAS L4595

TEST REPORT

Applicant	:	**Shenzhen XTAR Electronics Co., Ltd**
Address	:	**5th Floor, No.77 Xinhe Rd, Shangmugu, Pinghu Area, Longgang District, Shenzhen, Guangdong, China**

Report on the submitted samples said to be:

Sample Name(s)	:	**Lithium iron battery**
Trade Mark	:	**XTAR®**
Tested Model No.	:	**AA 3500mAh**
Sample Type	:	**Portable battery**
Sample Received Date	:	**March 26, 2025**
Testing Period	:	**March 26, 2025 ~ April 02, 2025**
Date of Report	:	**April 02, 2025**
Testing Location	:	**901, No.40 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China**
Results	:	**Please refer to next page(s).**

TEST REQUEST	CONCLUSION
As specified by client, to determine Lead(Pb), Cadmium(Cd) and Mercury(Hg) Content in the submitted sample according to Article 6(1) of Regulation (EU) 2023/1542 and its Annex I.	**PASS**

Signed for and on behalf of LCS

Terry.Luo

Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
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Tested part(s):

(1) Battery

Test method: With reference to IEC 62321-5:2013 & IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES).

Tested result(s):

Test Item(s)	MDL (%)	Test Result(s) (%)	Limit (%)
		(1)	
Lead(Pb) Content	0.0005	N.D.	0.01
Cadmium(Cd) Content	0.0005	N.D.	0.002
Mercury(Hg) Content	0.0005	N.D.	0.0005

Note:

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.

Remark:

According to Regulation (EU) 2023/1542:

※1 = This Regulation does not apply to batteries that are incorporated into or that are specifically designed to be incorporated into:

(a) equipment connected with the protection of Member States' essential security interests, arms, munitions and war material, with the exclusion of products that are not intended for specifically military purposes;

(b) equipment designed to be sent into space.

※2 = From 18 August 2025, all batteries shall be marked with the symbol for separate collection of batteries ('separate collection symbol')

Symbol for separate collection of batteries

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The separate collection symbol shall cover at least 3 % of the area of the largest side of the battery up to a maximum size of 5 × 5 cm.

In the case of cylindrical battery cells, the separate collection symbol shall cover at least 1,5 % of the surface area of the battery and shall have a maximum size of 5 × 5 cm.

Where the size of the battery is such that the separate collection symbol would be smaller than 0,47 × 0,47 cm, the battery does not need to be marked with that symbol. Instead, a separate collection symbol measuring at least 1 × 1 cm shall be printed on the packaging.

※3 = All batteries containing more than 0,002 % cadmium or more than 0,004 % lead, shall be marked with the chemical symbol for the metal concerned: Cd or Pb. And the relevant chemical symbol indicating the heavy metal content shall be printed beneath the separate collection symbol and shall cover an area of at least one-quarter the size of that symbol.

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)

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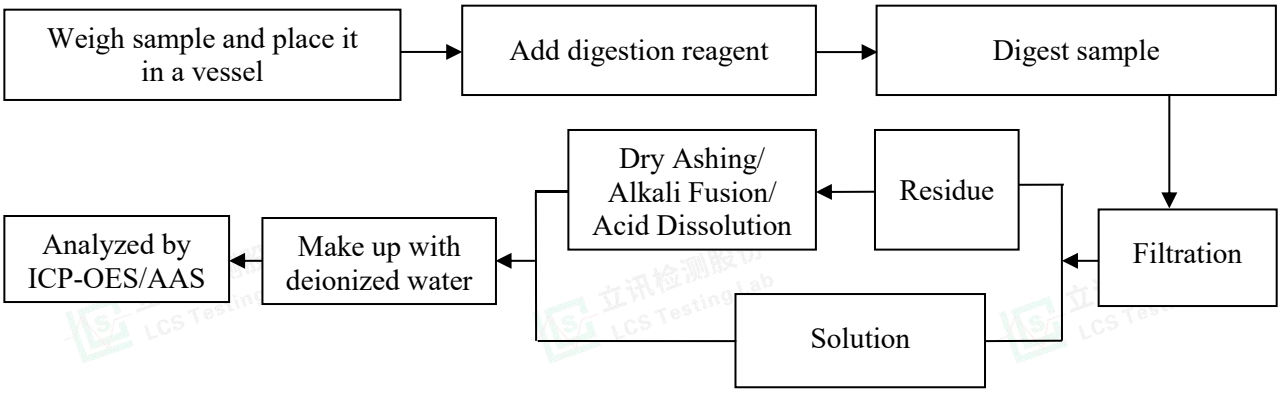
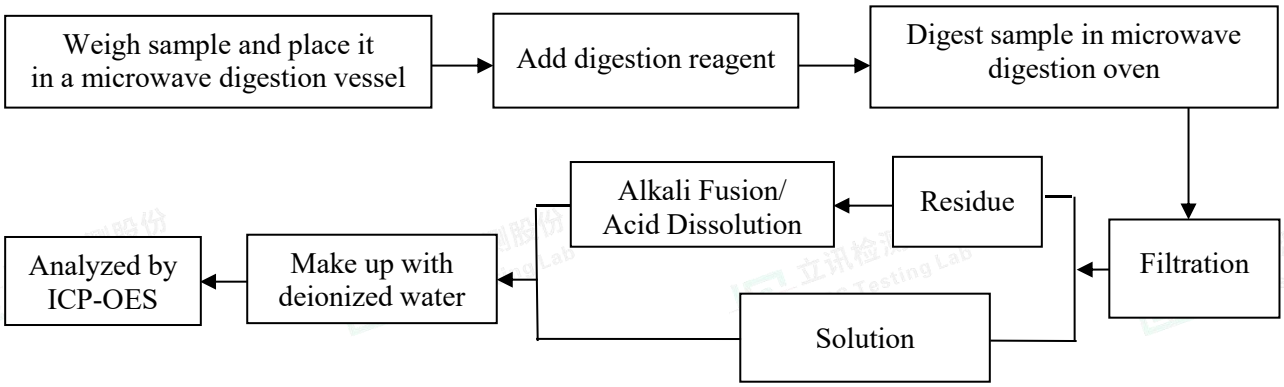
Test Process

1. Lead(Pb) & Cadmium(Cd)



2. Mercury(Hg)



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The photo(s) of the sample

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Statement:

1. The test report shall not be deemed valid unless it bears the signature of the approver and the company's official seal.
2. The company name, address, and sample information presented in the report were provided by the applicant, who is solely responsible for their authenticity, which LCS has not verified.
3. The test results included in this report are solely accountable for the tested samples.
4. The reproduction of any part of this report is strictly prohibited without LCS's prior written consent.
5. In cases of any discrepancies between the Chinese and English versions of this report, the Chinese version shall take precedence.

*** End of Report ***

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