

Report No.: HLF23011274E

Date: Nov 24, 2023

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Applicant : DONGGUAN LIDEAELECTRONICS CO., LTD.

Address : Room 101, 9th Floor, Building 2, No. 30 Fumin South Third Road, Baopi, Dalang Town, Dongguan City, Guangdong Province, China

The following sample(s) and sample information was/were submitted and identified by/on behalf of the client

Sample Name : Button Lithium-ion Cell

Sample Model : LIR940
LIR640, LIR654, LIR854, LIR863, LIR1040, LIR1045, LIR1050, LIR1054, LIR1140, LIR1154, LIR1240, LIR1254, LIR1250, LIR1238, LIR1248, LIR1430, LIR1448, LIR1454, LIR1455, LIR1450, LIR1648, LIR1654, LIR1025, LIR1220, LIR1620, LIR1632, LIR2016, LIR2025, LIR2032, LIR2050, LIR2430, LIR2440, LIR2450, LIR2477, LIR7840, LIR7854, LIR840, LIR2466, LIR2040, LIR3048, LIR3032, LIR7731, LIR3540, LIR3548

Sample Received Date : Nov 22, 2023

Test Completed Date : Nov 24, 2023

Test Requested : As specified by client, with reference to Directive EU 2023/1542 to determine Lead(Pb), Cadmium(Cd), Mercury(Hg) contents in the submitted sample.

Test Method : Refer to the next page(s).

Test Results : Refer to the next page(s).

Test Conclusion : Based upon the performed tests by submitted samples, the test results comply with the limits of the Directive EU 2023/1542.

scan to check the report



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Authorized Signature:



Technology Manager

In no circumstances shall the Company's responsibility extend beyond inspection, testing and reporting upon the samples actually drawn from the bulk and inspected, tested and surveyed by the Company and any inference to be drawn from the results of such inspection or survey or testing shall be entirely in the discretion and at the sole and exclusive responsibility of the Principal. This test report cannot be reproduced except in full.



FLION TESTING TECHNOLOGIES

Add: Gangzi Industrial Park, Furong Industrial Area, Xinqiao Village, Shajing Town, Bao'an District, Shenzhen City

Tel : 86-0755-2724 8885

Fax : 86-0755-2746 0090

Http://www.cnfft.com

Test Results:

Test Item	Test method/Instrument	MDL (%)	Result (%)	Limit (%)
Lead(Pb)	EPA3050B&EPA3052/ICP-OES	0.0002	N.D.	0.01*
Cadmium(Cd)	EPA3050B&EPA3052/ICP-OES	0.0002	N.D.	0.002
Mercury(Hg)	EPA3050B&EPA3052/ICP-OES	0.0002	N.D.	0.0005

Note:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) N.D. = Not Detected (less than MDL)

(3) MDL = Method Detection Limit

(4) "--" = Not Regulated

(5) "*" According to the Directive EU 2023/1542: 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.

(6) According to the Article 13 (5) of Directive EU 2023/1542, 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.

Remark: The test report is only used for customer research, teaching, internal quality control, product development and other purposes, for internal reference only.

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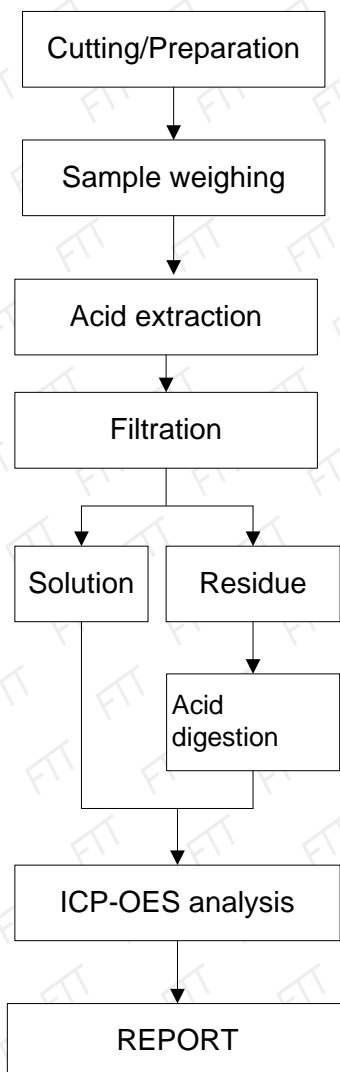
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Testing Flow Chart:



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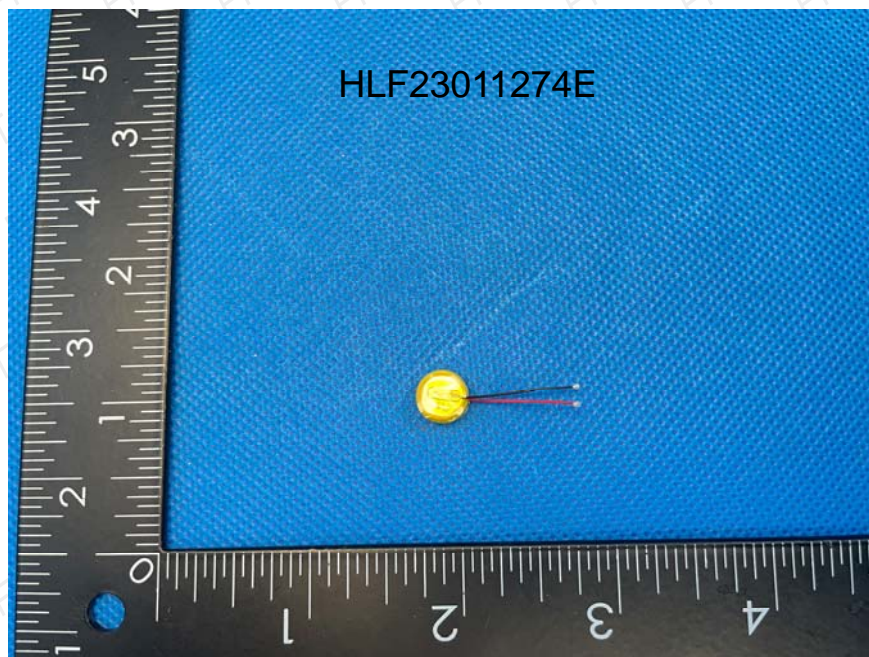
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Test Part Description: Battery

Sample Photo



Note: The results shown in this report refer only to the sample(s) tested.

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

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