

Report No.: 18300RC40068001

Test Report

Client Name : **Howell Energy Co., Ltd**

Client Address : **B1010, GenZon Times Square, Longgang
Center, Shenzhen 518172, China**

Product Name : **Lithium ion battery**

Report Date : **2024.03.29**



Shenzhen Anbotech Compliance Laboratory Limited

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Applicant : Howell Energy Co., Ltd

Address : B1010, GenZon Times Square, Longgang Center, Shenzhen 518172, China

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample Name : Lithium ion battery

Test Model No. : 18650 3.7V 3200mAh

Manufacturer : Howell Energy Co., Ltd

Sample Received Date : 2024.03.25

Testing Period : 2024.03.25~2024.03.28

Test Requested : As specified by client, in accordance with the Regulation (EU) 2023/1542, to test the Lead(Pb), Cadmium(Cd) and Mercury(Hg) in the submitted sample(s).

Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)/ Cadmium(Cd)	IEC 62321-5:2013	ICP-OES
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES

Test Result(s): Please refer to the following page(s).

Conclusion : The test results show that the submitted sample complies with the requirement of Regulation (EU) 2023/1542.

Edited by Beryl Jian

Reviewed by Rosy Zhao

Authorized Signatory Jian



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Model	mAh
75400	120
08400	120
10440	350
14200	150
14280	320
14430	650
14430	800
14500	500
14500	600
14500	700
14500	750
14500	800
14500	900
14650	1100
16340	800
16650	1800
17335	750
17500	1100
18350	900
18350	1100
18500	1200
18500	1400
18500	1500
18500	1800
18500	2000
18650	1200
18650	1300
18650	1500
18650	1800
18650	2000
18650	2200
18650	2400
18650	2500
18650	2600
18650	2800
18650	2900

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Model	mAh
18650	3000
18650	3200(Main test)
18650	3350
18650	3500
21700	4000
21700	4600
21700	5000
21700	5300
26350	2000
26500	3200
26500	3500
26550	3200
26650	3300
26650	4000
26650	5000
32600	6000
32650	6000
32650	6500
35650	5300



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Tested Sample/Part Description:

Battery

Test Result(s):

Tested Item(s)	Result (%)	MDL (%)
Lead (Pb)	N.D.	0.0002
Cadmium (Cd)	N.D.	0.0002
Mercury (Hg)	N.D.	0.00005

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- %= Percentage by weight
- Results shown are of total weight of the battery sample.

Remark:

According to Regulation (EU) 2023/1542:

-Annex I-Restriction on substances:

1. 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. 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. (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.

-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.



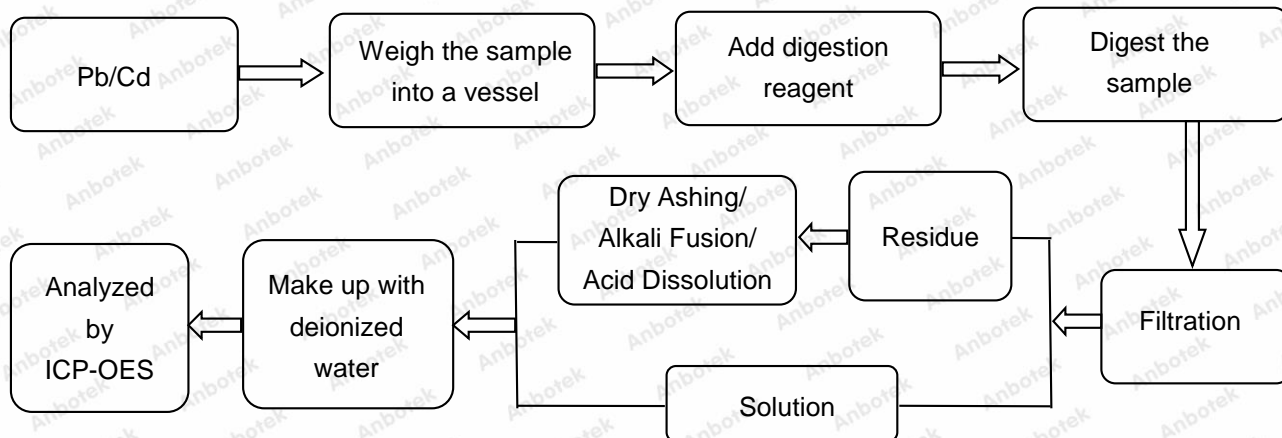
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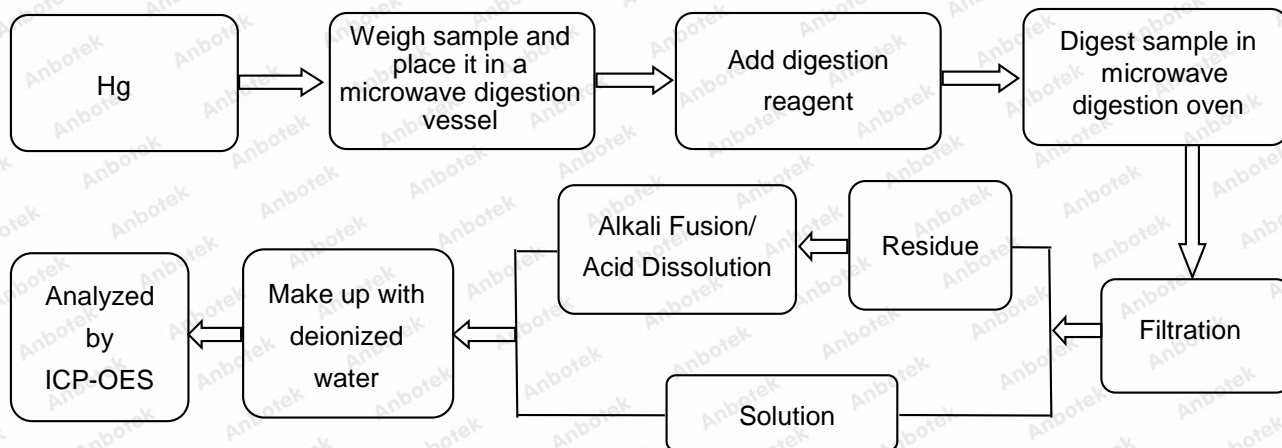
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Test Process:

◆ IEC 62321-5:2013



◆ IEC 62321-4:2013+AMD1:2017

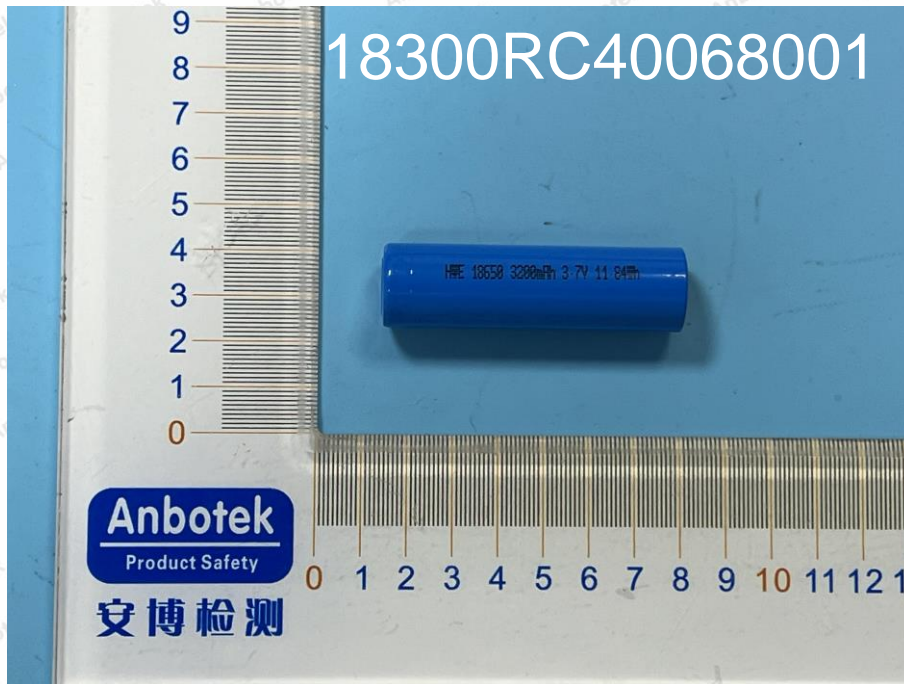


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Photograph of Sample



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

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of Anbotek, this report can't be reproduced except in full.

