

Report No.: 168445929a 001

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Client: Removed by K.I.

Contact Information:

Test item(s): 1 material
Identification/ Model No(s): Rechargeable Li-ion Cell
IMR18650-1200mAh
Sample obtaining method: Sending by customer
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2022-10-08
Testing Period: 2023-10-08 to 2023-10-11
Place of testing: Chemical laboratory Shenzhen

Test Specification:

1. Heavy Metal Test for Battery - according to Annex I of Regulation (EU)
2023/1542

Test result:

PASS

Other information:

Country of Origin: Remove
d by K I

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



2023-10-16

Grid Guo / Engineer

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Material List:

Item: Rechargeable Li-ion Cell
IMR18650-1200mAh

| Material No. | Material | Color | Location |
|--------------|----------|------------|----------------|
| M001 | Battery | Multicolor | Refer to photo |

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1.Heavy Metal Test for Battery - according to Annex I of Regulation (EU) 2023/1542

Test Method: Acid digestion, analyzed by ICP-OES/AAS

Test result

| Test No. | Material No. | Test Parameter | Unit | RL | Regulatory requirement | | Test Result |
|----------|--------------|----------------|------|--------|------------------------------|-----------------|-------------|
| | | | | | Maximum Permissible Limit | Labelling Limit | |
| T001 | M001 | Cadmium | % | 0.001 | Portable batteries: 0.002 | 0.002 | < RL |
| | | Lead | % | 0.001 | Portable batteries: 0.01# | 0.004 | < RL |
| | | Mercury | % | 0.0005 | 0.0005 | n.a. | < RL |

Abbreviation: Pb = Lead
 Cd = Cadmium
 Hg = Mercury
 n.a.= not applicable
 RL = Reporting Limit
 < = Less than

Remark:

- # According to Article 6(1) and Annex I of the Regulation (EU) 2023/1542, the Lead restriction shall apply to portable batteries and portable zinc-air button cells from 18 August 2024 and 18 August 2028 respectively.
- * According to Article 13(4) and 13(5) of the Regulation (EU) 2023/1542, all batteries shall be marked with the symbol indicating 'separate collection'; and 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.

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Sample Photos



Product

- END -

