



集团微信订阅号



集团微信服务号

Test Report

NO.: MSCWAKBG6701807D1c

Issued Date: 2024-12-31

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Applicant:

Address:

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

Sample Name: 3V button lithium Manganese dioxide battery

Sample Model: CR2032

Sample Received Date: 2024-12-04

Testing Period: 2024-12-04 ~ 2024-12-11

Reference Requested: EU New Battery Regulation (EU) 2023/1542

Reference Method:

- (1) IEC62321-5 Edition 1.0:2013, Lead Analysis is performed by AAS
- (2) IEC62321-5 Edition 1.0:2013, Cadmium Analysis is performed by AAS
- (3) IEC62321-4:2013+AMD1:2017 CSV, Mercury Analysis is performed by ICP-OES

Testing Results: Please refer to next page(s)

Approved by:

Maozu oiy



Code: if8fnh



Hotline 400-800-5688

PONY
www.ponytest.com

PONY-PGL3186-01C002-2024

Pony Testing Group Shenzhen Co., Ltd.

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Test Results (Unit: %)

Test Item	MDL	Test Result	Limit
Lead (Pb)	0.0005	0.0009	0.01
Cadmium (Cd)	0.0001	N.D.	0.002
Mercury (Hg)	0.0001	N.D.	0.0005

- Note:
- (1) % = Percentage by Weight
 - (2) N.D. = Not Detected (<MDL)
 - (3) MDL = Method Detection Limit
 - (4) Limit Requirement

Substance	Limit Condition
Lead CAS No 7439-92-1 EC No 231-100-4	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.
Cadmium CAS No 7440-43-9 EC No 231-152-8	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.
Mercury CAS No 7439-97-6 EC No 231-106-7	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.

- (5) The original report which report No. is MSCWAKBG6701807D1b be replaced by this report, and it will be canceled immediately and doesn't have any legal validity. Please compliance with this report. 2024-12-31

Remark:

According to the EU New Battery Regulation (EU) 2023/1542, non-portable batteries that exceed a cadmium content of 0.002% or a lead content of 0.004% shall be marked with the chemical symbols 'Cd' for cadmium or 'Pb' for lead.

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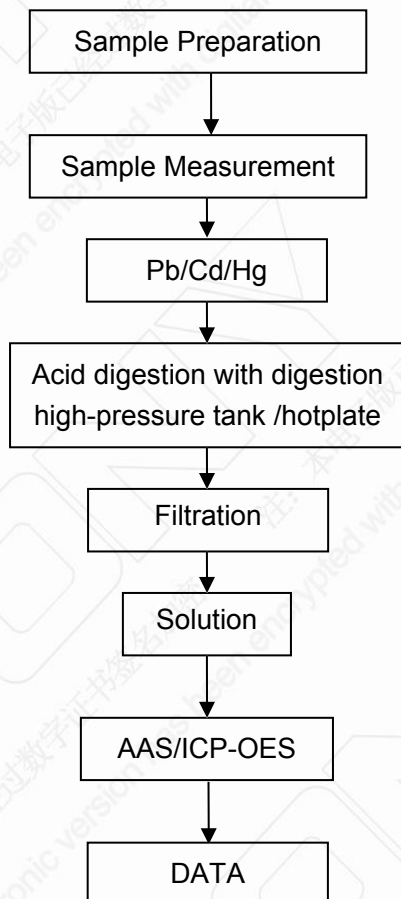
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Measurement Flow-chart

Tested by: Wu Shuqi

Checked by: Peng Pingping

Person in charge of the lab by: Mao Zuqing



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Sample No. & Photo:

G6701807D1



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End of Report

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Appendix

Client Reference Photo(Non-tested sample)



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