

测试报告 (Test Report) 报告编号 (NO.): MTHI8PFG7829857D1 签发日期 (Issued Date): 2025-12-10 Page 1 of 5

委托单位 Applicant:

地址 Address:

委托单位提供样品信息如下:

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

样品名称 Sample Name: 锂-二氧化锰电池 CR 2032/ Li-MnO₂ button Cell CR 2032

样品接收日期 Sample Received Date: 2025-12-04

样品测试日期 Testing Period: 2025-12-04 ~ 2025-12-10

参考要求: 欧盟新电池法规(EU) 2023/1542

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

参考方法:

Reference Method:

- (1) IEC62321-5 Edition 1.0:2013,用原子吸收光谱仪测定铅的含量
IEC62321-5 Edition 1.0:2013, Lead Analysis is performed by AAS
- (2) IEC62321-5 Edition 1.0:2013,用原子吸收光谱仪测定镉的含量
IEC62321-5 Edition 1.0:2013,
Cadmium Analysis is performed by AAS
- (3) IEC 62321-4:2013+AMD1:2017 CSV,
用电感耦合等离子体发射光谱仪测定汞的含量
IEC 62321-4:2013+AMD1:2017 CSV,
Mercury Analysis is performed by ICP-OES

测试结果 Testing Results:

请参见下页 Please refer to next page(s)



Code: 7p3e8m83j6

批准人 Approved by: 毛祖青

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If the applicant has any objection to the report data, please submit a written application for retesting to us within 15 days after the completion of the report (for the report of primary agricultural products, submit a written application for retesting to the unit within 5 working days after the receipt of the report), with the original report attached and the retesting fee prepaid.
4. 委托单位办理完毕以上手续后, 本单位会尽快安排复测。如果复测结果与异议内容相符, 本单位将退还委托单位的复测费。
After the applicant completes the above procedures, we shall arrange the retesting as soon as possible. If the retest result is consistent with the objection, we will refund the retest fees.
5. 不可重复性或不能进行复测的实验, 不进行复测, 委托单位放弃异议权利。
If the experiment cannot be repeated or cannot be retested, no retest shall be conducted, and the applicant shall waive the right of objection.
6. 委托单位对送检样品的代表性和资料的真实性负责, 否则本单位不承担任何相关责任。
The applicant is responsible for the representativeness of the commissioned samples and the authenticity of the documents, otherwise we do not assume any relevant responsibilities.
7. 本报告仅对所测样品的检测结果负责, 检测结果及其相关判定结论仅反映对所测样品的评价或只代表检测时污染物的排放状况。对于报告及所载内容不能进行商业广告宣传使用, 使用所产生的直接或间接损失及一切法律后果, 本单位不承担任何经济和法律后果。
This report is only responsible for the test results of the tested samples. The test results and relevant conclusions reflect the evaluation of the tested samples or only represent the emission status of pollutants during the test. The report and the contents contained in it cannot be used for commercial advertising, and we do not assume any economic and legal liabilities for direct or indirect losses and all legal consequences arising from the use.
8. 本单位有权在完成报告后按规定方式处理所测样品, 除客户特别声明并支付样品管理费, 所有超过标准规定时效期的样品均不再做留样。
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测试结果 Test Results (Unit: %)

测试项目 Test Item	方法检出限 MDL	测试结果 Test Result	限量 Limit
铅 (Lead)	0.0005	0.0007	0.01
镉 (Cadmium)	0.0001	未检出 (N.D.)	0.002
汞 (Mercury)	0.0001	未检出 (N.D.)	0.0005

备注 Note: (1) % = 重量百分比 Percentage by Weight
(2) N.D. = 未检出 Not Detected (<MDL)
(3) MDL = 方法检出限 Method Detection Limit
(4) 限值要求 Limit Requirement

物质 Substance	限值条件 Limit Condition
铅(Lead) CAS No 7439-92-1 EC No 231-100-4	1、自 2024 年 8 月 18 日起, 便携式电池, 无论是否与设备结合, 铅 $\leq$ 0.01%。 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、第 1 点所列限制在 2028 年 8 月 18 日前不适用于便携式锌空气纽扣电池。 The restriction set out in point 1 shall not apply to portable zinc-air button cells until 18 August 2028.
镉(Cadmium) CAS No 7440-43-9 EC No 231-152-8	便携式电池, 无论是否装在设备、轻型运输工具或其他车辆上, 镉 $\leq$ 0.002%。 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.
汞(Mercury) CAS No 7439-97-6 EC No 231-106-7	电池无论是否安装在设备、轻型运输工具或其他车辆中, 汞 $\leq$ 0.0005%。 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.

注意 Remark:

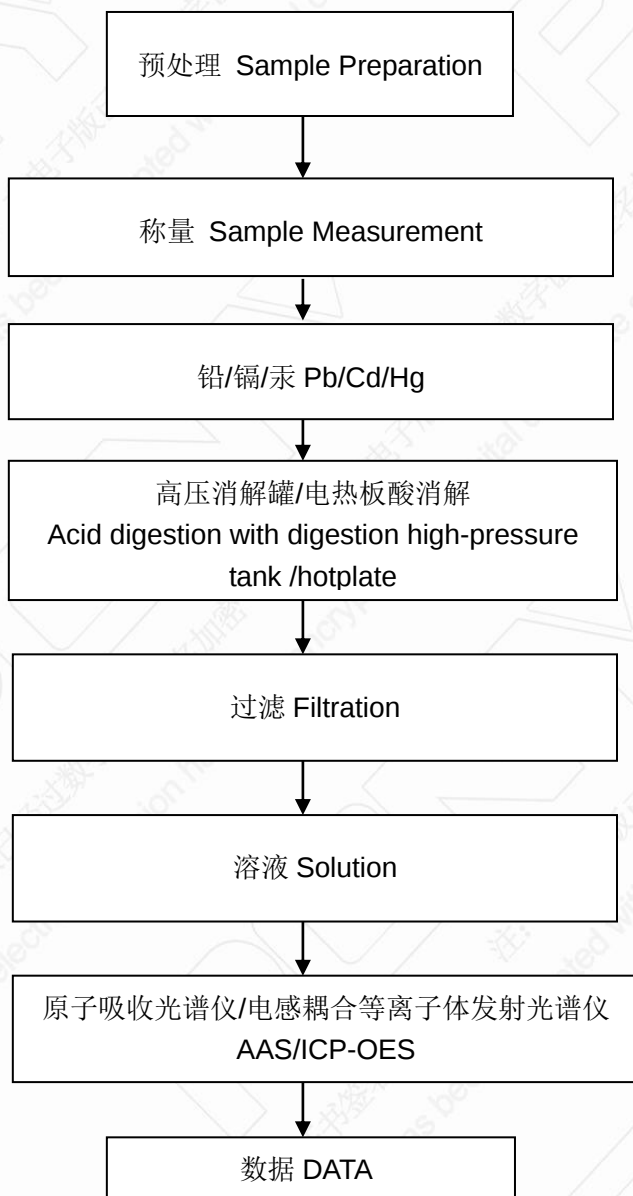
根据欧盟新电池法规(EU) 2023/1542, 镉含量超过 0.002%或铅含量超过 0.004%的非便携式电池应标有代表镉的化学符号“Cd”或代表铅的化学符号“Pb”。

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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流程图 Test Flow Chart

测试人员 Tested by: 吴磊 审核人 Checked by: 彭平平 实验室负责人 Person in charge of the lab: 毛祖青



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样品编号和照片 Sample No. & Photo:

G7829857D1



仅对报告照片中的样品负责

Pony authenticate the photo on original report only

报告结束 End of Report

附录 Appendix

客户参考图片(非测试样品) Client Reference Photo(Non-tested sample)



声明 Statement:

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2. 附录内容为 MTHI8PFG7829857D1 报告的补充。

The Appendix Information is/are the supplement(s) for the Report MTHI8PFG7829857D1.