TEST REPORT
检测报告

Report No.: AZT24052156C-B0
报告编号: AZT24052156C-B0

Date of issue: May 28, 2024
发行日期: 2024年05月28日

Applicant	:	**Jiangsu Tenpower Lithium Co., Ltd.**
申请商	:	**江苏天鹏电源有限公司**
Address	:	**6 Xinfeng Road East, Economic Development Zone, Zhangjiagang, Jiangsu, China**
地址	:	**江苏省张家港市经济开发区新丰东路 6 号**
Manufacturer	:	**Jiangsu Tenpower Lithium Co., Ltd.**
制造商	:	**江苏天鹏电源有限公司**
Address	:	**6 Xinfeng Road East, Economic Development Zone, Zhangjiagang, Jiangsu, China**
地址	:	**江苏省张家港市经济开发区新丰东路 6 号**

Report on the submitted samples said to be:
委托检测的样品及申请者对样品的说明如下 ：

Sample Name	:	RECHARGEABLE LITHIUM ION CELL
样品名称	:	锂离子电芯
Tested Style No.	:	INR18650-28HE
测试型号	:	
Date of Sample Received	:	May 21, 2024
收样日期	:	2024 年 05 月 21 日
Testing Period	:	May 21, 2024 ~ May 28, 2024
测试周期	:	2024 年 05 月 21 日~2024 年 05 月 28 日
Results	:	Please refer to next page(s).
测试结果	:	参见后续页。

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TEST REQUEST **测试要求**	**CONCLUSION** **结论**
Regulation (EU) 2023/1542 amending Directive 2008/98/EC and Regulation (EU) 2019/1020 - Lead, Cadmium & Mercury content 欧盟电池指令(EU) 2023/1542 及其修订指令 2008/98/EC 和法规(EU) 2019/1020- 铅，镉和汞含量	**Pass** **（符合）**

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Signed for and on behalf of AZT
AZT 授权签名

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钟成强

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Tested part(s)测试部位:

(1) RECHARGEABLE LITHIUM ION CELL 锂离子电芯

A.1. Regulation (EU) 2023/1542 amending Directive 2008/98/EC and Regulation (EU) 2019/1020 - Lead, Cadmium & Mercury content

A.1. 欧盟电池指令(EU) 2023/1542 及其修订指令 2008/98/EC 和法规(EU) 2019/1020- 铅，镉和汞含量

Test Method: With reference to IEC 62321-5:2013 & IEC 62321-4:2013+AMD1:2017 CSV, analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

测试方法：参考IEC 62321-5:2013 & IEC 62321-4:2013+AMD1:2017 CSV，使用电感耦合等离子体发射光谱仪（ICP-OES）分析。

Test Items 测试项目	Unit	Results 结果	MDL	Limit 限值
		1		
Lead (Pb) 铅 (Pb)	%	N.D.	0.0005	0.01*
Mercury (Hg) 汞 (Hg)	%	N.D.	0.0005	0.0005
Cadmium(Cd) 镉(Cd)	%	N.D.	0.0005	0.002

Remark:
备注:

Battery label requirements:
电池标签要求：

1. General information of batteries: The information on all battery labels should include ten items: manufacturer information, battery type and identification information, manufacturing address, production date (month and year), weight, capacity, chemical composition, harmful substances present in the battery (excluding mercury, cadmium or lead), available fire extinguishing agents, and key raw materials;

1. 电池的一般信息：所有电池标签上的信息应包含制造商信息、电池类型和识别电池的信息、制造地址、生产日期（年月）、重量、容量、化学组成、电池中存在的有害物质（汞、镉或铅除外）、可用灭火剂、关键原材料十项内容；

2. Capacity information labels: Rechargeable portable batteries, LMT batteries, and SLI batteries should have labels containing their capacity information;

2. 容量信息标签：可充电便携式电池、LMT电池和SLI电池应贴有包含其容量信息的标签；

3. Separate collection symbol: All batteries should be marked with a cross marked wheeled trash can symbol. In addition, batteries with cadmium content exceeding 0.002% or lead content exceeding 0.004% should have corresponding chemical element symbols added to the trash can label; The relevant chemical symbols indicating the content of heavy metals should be printed below the separately collected symbols and cover at least a quarter of the area of the symbol;

3. 单独收集符号：所有电池应标有十字划叉的带轮垃圾桶符号，另外含镉量超过0.002%或含铅量超过0.004%的电池应在垃圾桶标识下增加相应的化学元素符号；指示重金属含量的相关化学符号应印在单独收集符号的下方，并应覆盖至少该符号四分之一大小的面积；

4. QR code: All batteries should be labeled with a QR code;

4. 二维码：所有电池均应标有二维码；

5. CE Mark and EU Declaration of Conformity: Batteries should be labeled with a CE mark before being placed on the market, and an EU Declaration of Conformity should be drafted.

5. CE标志和欧盟符合性声明：电池投放市场前应加贴CE标识，并起草欧盟符合性声明。

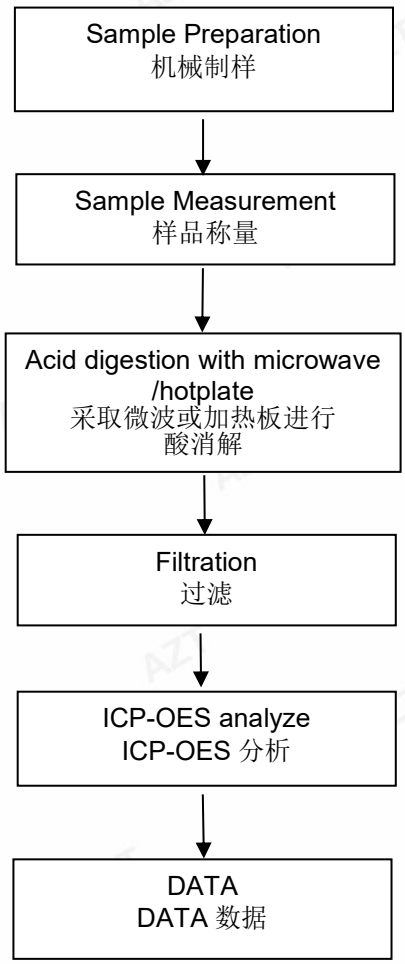
Note 注释:

- *=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.
  *=1. 自 2024 年 8 月 18 日起，便携式电池，无论是否与设备结合，铅≤0.01%；
  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。
- N.D. = Not Detected or less than MDL
  N.D. = 未检出或低于检出限
- MDL = Method Detection Limit
  MDL = 方法检出限
- mg/kg = milligram per kilogram = ppm
  mg/kg = 毫克每千克 = ppm
- % = percentage by weight, 0.0001% = 1 mg/kg.
  % = 重量百分比，0.0001% = 1 mg/kg.
- Results shown are of total weight of the battery sample.
  结果显示的是整个电池样品的重量
- Flow chart is included
  附测试流程图
- Photo appendix is included
  样品照片见附录

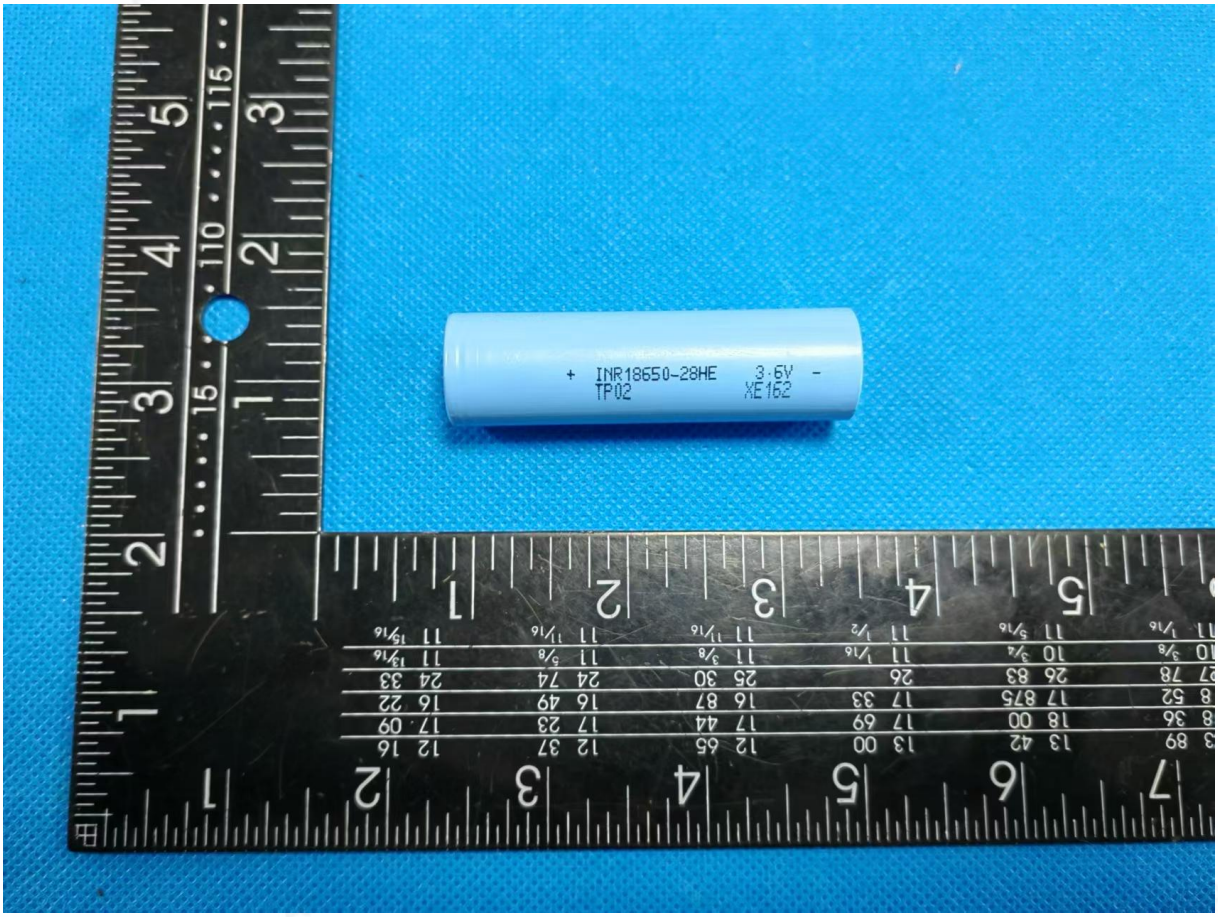
Appendix
附录

Lead/Cadmium/Mercury Testing Flow Chart

铅/镉/汞 测试流程图



The photo of the sample
样品图片



AZT authenticate the photo on original report only
此图片仅限于随 AZT 正本报告使用

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