

检测报告

编号: CANEC25016434706_1

日期: 2025 年 07 月 24 日

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客户名称: 佛山市南海区琪德新能源科技有限公司

客户地址: 佛山市南海区丹灶镇南沙工业区

样品名称: AG13/LR44/357A 纽扣电池

型号: AG13/LR44/357A

客户参考信息: AG0/LR521/379A; AG1/LR621/364A; AG2/LR726/396A;
AG3/LR41/392A; AG4/LR626/377A; AG5/LR754/393A; AG6/LR921/371A;
AG7/LR927/395A; AG8/LR1120/391A; AG9/LR936/394A;
AG10/LR1130/389A; AG11/LR721/362A; AG12/LR43/386A; AG13/LR44/357A

样品类型: 便携式电池(非锌空气纽扣电池)

以上样品及信息由客户提供。

此报告替代原来编号为 CANEC25016434706, 日期为 2025 年 07 月 18 日的报告。

SGS 工作编号: GZP25-019142

样品接收时间: 2025 年 07 月 08 日

检测周期: 2025 年 07 月 08 日 ~ 2025 年 07 月 17 日

检测要求: 根据客户要求检测

检测方法: 见后续页。

检测结果: 见后续页。

检测要求	结论
法规(EU) 2023/1542 附件 I-电池及废电池中的重金属含量	符合
欧盟电池指令 2006/66/EC 及其修正指令、容量评估规则 (EU) 1103/2010、(EU) No 2023/1542 Article 13(4)&13(5) - 标签	符合
欧盟电池法规(EU) No 2023/1542 Article 13(1) & 13(2) & 13(3) - 标签	参见结果
欧盟电池法规(EU) No 2023/1542 Article 19 & 20 - CE 标志	符合

通标标准技术服务有限公司广州分公司

授权签名

廖江玲

Jenny Liao 廖江玲

批准签署人

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Guangzhou Branch Technical Services Co., Ltd. Chemical Laboratory

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检测结果:

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	CAN25-0164347-0001.C001	纽扣电池

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = 方法检出限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

法规(EU) 2023/1542 附件 I-电池及废电池中的重金属含量

检测方法: SGS 内部方法 (GZTC CHEM-TOP-068), 采用 ICP-OES、AAS 或测汞仪进行分析。

检测项目	限值	单位	MDL	A1
铅(Pb)	0.01	%	0.0010	ND
镉(Cd)	0.002	%	0.0010	ND
汞(Hg)	0.0005	%	0.0001	ND
结论				符合

备注:

(1) 限制物质

第 1 列 物质或物质组的名称	第 2 列 限制条件
1. 汞 CAS No 7439-97-6 EC No 231-106-7 及其化合物	电池无论是否安装在设备、轻型运输工具或其他车辆中, 汞≤0.0005%
2. 镉 CAS No 7440-43-9 EC No 231-152-8 及其化合物	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≤0.002%
3. 铅 CAS No 7439-92-1 EC No 231-100-4 及其化合物	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

(2) 根据欧盟新电池法规 (EU) 2023/1542, 便携式电池(非锌空气纽扣电池)中铅含量在 0.004%-0.01%的电池应标有化学符号: Pb。



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欧盟电池指令 2006/66/EC 及其修正指令、容量评估规则 (EU) 1103/2010、(EU) No 2023/1542 Article 13(4)&13(5) - 标签

序号	要求	结果	结论
1	欧盟成员国应确保所有电池、蓄电池和电池组适当地标以分开收集符号: 	此符号标示在包装上	符合
2	欧盟成员国应该确保在 2009 年 9 月 26 日之前, 所有便携式和汽车电池及蓄电池的容量均被明显、易读和难擦掉的标示。 对便携式二次(可充电)和汽车电池及蓄电池, 欧盟委员会指令(EU) 1103/2010 附录 III 规定了容量标签包含的信息。	电池类型: 一次性电池或蓄电池	不适用(容量标示要求尚未颁布)
3	电池含镉超过 0.002%或铅超过 0.004%, 应标示相关金属的化学符号: Cd 或 Pb。化学符号应印刷在电池分开收集标识的下方, 并至少覆盖整个标识四分之一面积。	电池类型: 便携电池 镉(Cd)、铅(Pb)的含量: Cd: ND Pb: ND 没有标示化学符号	符合
4	如果电池, 蓄电池, 电池组的尺寸太小, 以至标签面积会小于 0.47x0.47 cm, 则其标签不必标记在本体上, 但应以至少 1x1cm 的尺寸印刷在包装上。	电池类型: 电池、蓄电池或电池组的尺寸太小 包装上此符号的尺寸: 2.9 x 2.9 cm	符合



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序号	要求	结果	结论
5	此符号应明显、易读、难擦掉。	此符号明显、易读	符合

注释:

- 1) 符合 = 满足要求
- 2) 不符合 = 不满足要求

欧盟电池法规(EU) No 2023/1542 Article 13(1)&13(2)&13(3)-标签 (实施时间: 2026 年 8 月 18 日)

电池上贴有标签				
电池类型	要求		结果	结论
所有电池	应包含基本信息	根据第 38(7) 条识别制造商的信息	存在	符合
		根据第 38(6) 规定的电池类别和识别电池的信息	存在	符合
		制造地址 (电池生产厂的地理位置)	存在	符合
		生产日期 (年月)	存在	符合
		电池重量	存在	符合
		电池容量	存在	符合
		电池化学组成	存在	符合
		电池中存在的有害物质 (除汞、镉、铅以外)	不存在	符合*
		可用的灭火剂	不存在	不符合
		电池中浓度超过 0.1% (重量百分比) 的关键原材料	存在	符合
可充电便携式电池、LMT 电池和 SLI 电池	应贴有容量标签。		不适用	不适用 (只适用于可充电便携式电池、LMT 电池和 SLI 电池)
不可充电便携式电池	应包含其在特定用途中使用时的最短平均持续时间的信息		不存在	不符合
	应标明“不可充电”		存在	

*: 根据客户声明, 电池不存在其他有害物质。

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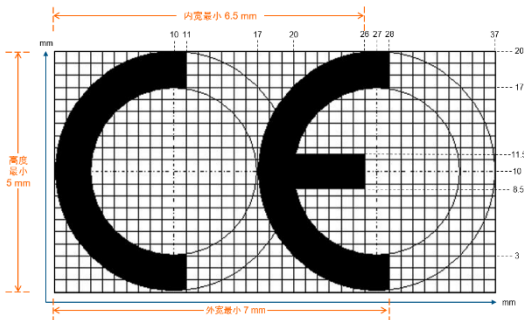
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欧盟电池法规(EU) No 2023/1542 Article 19&20 - CE 标志

CE 标志应遵循法规 (EC) No 765/2008 第 30 条规定的一般原则。

要求	结果	结论
位置	包装和随附文件上, 标志明显、清晰	符合
尺寸	CE 标志的高度应至少为 5 mm。 如果 CE 标志被缩小或放大, 则应遵循下面刻度中给出的比例。 	符合

本报告更新了样品照片。

实施实验室活动的地点: A. 广东省广州高新技术产业开发区科学城科珠路 198 号; B. 广东省广州市黄埔区开创大道 1501 号 3 栋 101 房

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检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。

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