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中国认可
国际互认
检测
TESTING
CNAS L3192

3 米堆码测试报告
3m Stacking Test Report

样品名称及型号 Sample Name & Model	锂二氧化锰扣式电池 型号：CR2032 Lithium manganese dioxide button battery Model: CR2032 (3V 230mAh 合计锂含量/Aggregate lithium content: 0.062g)
委托单位 Applicant	深圳市迈洛克实业有限公司 SHENZHEN M&LAK INDUSTRY CO., LTD.
生产单位 Manufacturer	深圳市力电电池有限公司 SHENZHEN LIDEA BATTERY CO.,LTD.

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Ⅰ、样品描述 Sample Description

样品名称 Sample name	锂二氧化锰扣式电池 Lithium manganese dioxide button battery	样品型号 Sample model	CR2032
委托单位 Applicant	深圳市迈洛克实业有限公司 SHENZHEN M&LAK INDUSTRY CO., LTD.		
生产单位 Manufacturer	深圳市力电电池有限公司 SHENZHEN LIDEA BATTERY CO.,LTD.		
标称电压 Nominal voltage	3V	额定容量 Rated capacity	230mAh
包装箱尺寸 Carton size	346mm(L)×285mm(W)×210mm(H)	施加压力 Pressure	273.4N
整箱重量 Gross weight	2.10kg	电池数量 Battery number	600 个/箱(Pcs/packing)
委托日期 Entrust date	2024-12-02	完成日期 Finished date	2024-12-27

Ⅱ、测试标准 Test Standard

联合国《关于危险货物运输的建议书 规章范本》(ST/SG/AC.10/1/Rev.23)，6.1.5.6 章节

UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations (ST/SG/AC.10/1/Rev.23), sub-section 6.1.5.6

Ⅲ、测试项目及结论 Test Item & Conclusion

测试项目 Item	结论 Conclusion
3 米堆码试验 3m stacking test	合格 PASS

主检 Tested by: 林艳　审核 Checker by: 刘旭　批准 Approver by: 郑春扬

签发日期 Issue date 2024-12-27

Ⅳ、测试方法 Test Method

在试验样品的顶部表面施加一力量，此力相当于运输时可能堆叠在它上面的同样数量包装件的总重量。包括试验样品在内的最小堆码高度应是 3 米。试验时间为 24 小时。

$$\text{施加压力(N)} = \left(\frac{3(m)}{\text{单个包装箱高度 } (m)} - 1\right) \times \text{整箱重量(kg)} \times \text{地球重力加速度}(9.8\text{m/s}^2)$$

The test sample shall be subjected to a force applied to the top surface of the test sample equivalent to the total weight of identical packages which might be stacked on it during transport; The minimum height of the stack including the test sample shall be 3 meters. The duration of the test shall be 24 hours.

$$\text{Pressure (N)} = \left(\frac{3(m)}{\text{Height of individual packaging box}(m)} - 1\right) \times \text{Gross weight(kg)} \times g(9.8\text{m/s}^2)$$

Ⅴ、测试设备 Test Apparatus

IE-0547	电子计数秤	Electronic counting scale
IE-0766	钢卷尺	Steel tapeline

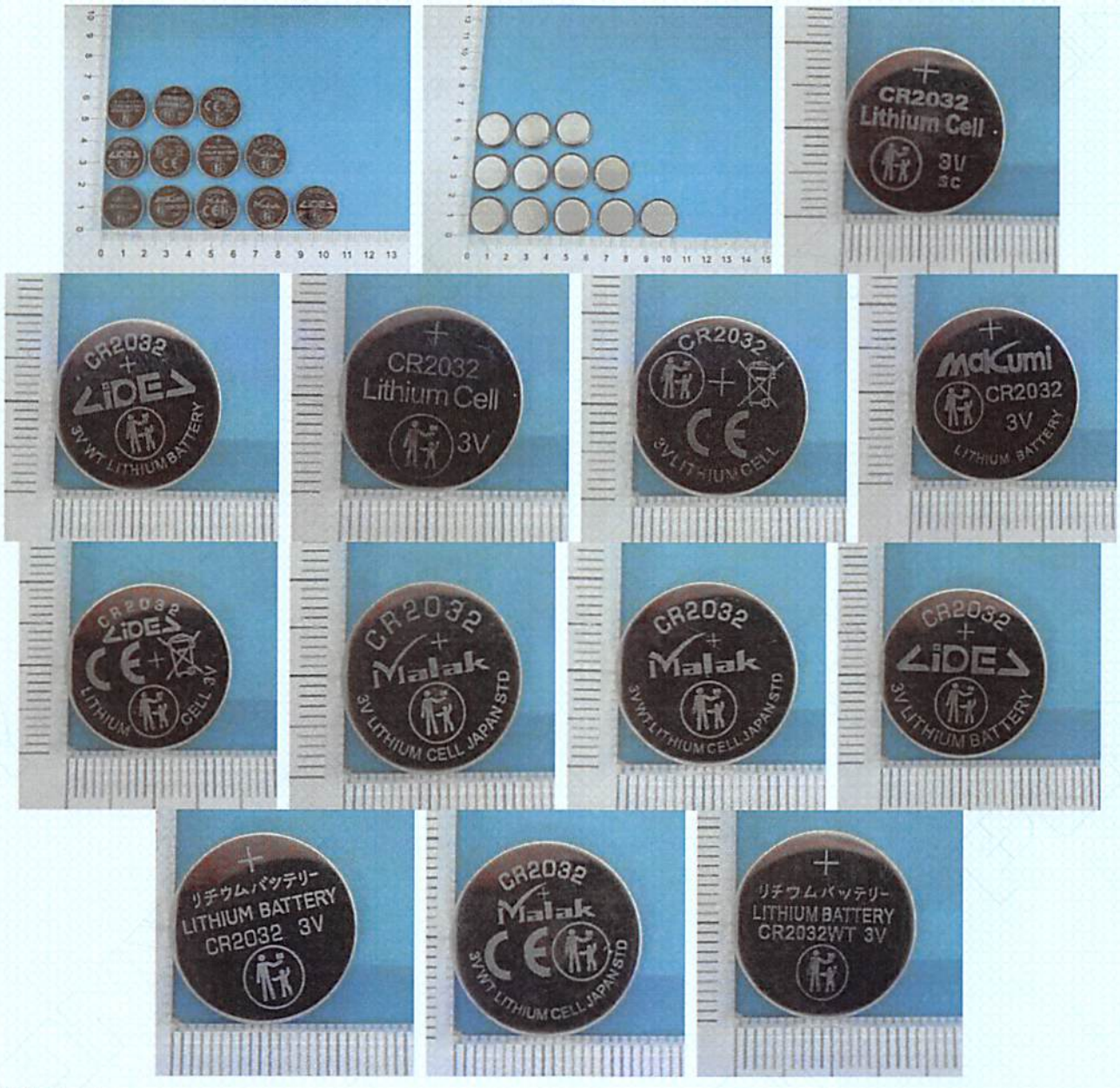
Ⅵ、测试数据 Test Data

测试结果 Test Result	1. 包装件内的样品没有破损或泄漏 Without damage to sample contained therein 2. 试验样品不得显出可能对运输安全有不利影响的损坏 No test sample may show any deterioration which could adversely affect transport safety 3. 试验样品不得显出可能降低其强度或造成包装件堆码不稳定的变形 No test sample may show anydistortion liable to reduce its strength or cause instability in stacks of packages
本项结论 Conclusion	被测试包装件能够承受 3 米堆码试验 The test package is capable of withstanding a 3m stacking test in any orientation.

Ⅶ、样品照片 Photo of The Sample

电池 Battery

样品编号/Sample No.: G6681897U6



包装件 Package

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注：CR2032 有多种标签，仅标签不同，其他均相同

Note: CR2032 have a variety of labels, just difference in label, others are the same

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