

# 锂电池跌落测试报告

## Lithium Battery Drop Test Report

报告编号: AGC01085200702UA01  
Report No.:

产 品 名 称 : 锂离子电池  
PRODUCT DESIGNATION : Li-ion Battery

商 标 : CUBOT  
BRAND NAME

样 品 型 号 : NOTE 7  
MODEL NAME

委 托 单 位 : 深圳市骅福瑞科技有限公司  
APPLICANT : Shenzhen Huafurui Technology Co., Ltd.

签 发 日 期 : 2020-08-05  
DATE OF ISSUE

检 测 标 准 : ST/SG/AC.10/1/Rev.20th  
STANDARD(S)

报 告 版 本 : V1.0  
REPORT VERSION

**深圳市鑫宇环检测有限公司**

**Attestation of Global Compliance (Shenzhen) Co., Ltd.**

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**1. 样品描述 Sample Description**

| 电池描述 Battery Description       |   |                         |                         |
|--------------------------------|---|-------------------------|-------------------------|
| 电池名称<br>Sample Name            | 锂离子电池<br>Li-ion Battery   | 样品型号<br>Sample Model    | NOTE 7                  |
| 标称电压<br>Nominal Voltage        | 3.8V  | 额定容量<br>Rated Capacity  | 3100mAh                 |
| 实验室<br>Laboratory              | 深圳市鑫宇环检测有限公司<br>Attestation of Global Compliance (Shenzhen) Co., Ltd.   |                         |                         |
| 实验地址<br>Testing Address        | 深圳市宝安区福海街道和平社区重庆路骏丰工业园厂房 19 栋第一、二层<br>1, 2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.  |                         |                         |
| 委托单位<br>Applicant              | 深圳市骅福瑞科技有限公司<br>Shenzhen Huafurui Technology Co., Ltd.  |                         |                         |
| 委托单位地址<br>Applicant Address    | 深圳市南山区桃源街道留仙大道与塘岭路交汇处金骐智谷（崇文花园 4 号办公楼）14 楼 1401、1402 房<br>Unit 1401 & 1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen. Guangdong province. China |                         |                         |
| 生产单位<br>Manufacturer           | 中山天贸电池有限公司<br>Zhongshan Tianmao Battery Co., Ltd.   |                         |                         |
| 生产单位地址<br>Manufacturer Address | 中山市坦洲镇新前进村前进一路 208 号<br>No. 208, Qianjin 1st Road, Xinqianjin Village, Tanzhou Town, Zhongshan City   |                         |                         |
| 包装件描述 Packaging Description    |   |                         |                         |
| 外包装<br>Outer package           | 纸盒<br>Paper Box   | 内包装<br>Inner package    | 纸盒<br>Paper Box         |
| 包装尺寸<br>Dimensions             | 395*385*180<br>mm* mm* mm   | 衬垫材料<br>Cushion         | 泡沫棉<br>Foam cotton      |
| 整箱重量<br>Gross weight           | 7.988kg   | 电池数量<br>Battery number  | 20 个/箱<br>20Pcs/packing |
| 测试开始日期<br>Client date          | 2020-08-04  | 测试结束日期<br>Finished date | 2020-08-05              |
| 包装方式<br>Packaging type         | 包装箱内含与设备打包的锂电池。<br>Package including lithium batteries with equipment.  |                         |                         |
| 主检人 Prepared by                | 审核人 Checked by  | 批准人 Approved by         |                         |
| 王明                             | 薛佳佳   | 祝志伟                     |                         |

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## 2. 参考方法 Reference Method

(ST/SG/AC.10/1/Rev.20<sup>th</sup>) 《联合国关于危险品运输建议书——规章范本》  
《Recommendations On The Transport Of Dangerous Goods-Model Regulations》

## 3. 测试项目 Test Item

1.2 米跌落试验、包装件毛重测试  
1.2m Drop test、Gross Weight Measure

## 4. 测试结论 Conclusion

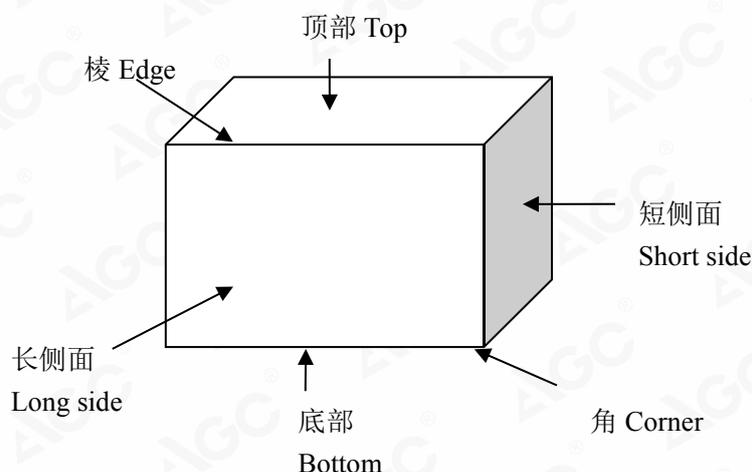
该包装件能够承受 1.2 米跌落试验，其内装的电池没有受损，没有造成内装物移动，以致电池与电池互相接触，并且没有内装物释出。该包装件总重量为：7.988kg (毛重)。

This package is capable of withstanding a 1.2m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery contact and without release of contents. The weight of the package is 7.988kg gross mass.

## 5. 测试方法 Test Method

每个装有电池的包装件需要做 6 次 1.2m 自由跌落，见以下示意图。

The package of batteries is dropped from 1.2m, 6 times per package. See below schematic diagram .



## 6. 测试设备 Test equipment

AGC-BT-E013 跌落试验机 Drop test system

AGC-SA-E114 电子天平 Electronic balance

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### 7. 实验室环境条件 Test Environment Condition

温度 Ambient temperature: 20~25 (°C)

相对湿度 Ambient humidity: 50~60 (%)

### 8. 测试结果 Test Data

| 测试项目<br>Test Item                      | 测试结果<br>Test Result  | 结论<br>Conclusion  |
|--|--|---|
| 1.2m<br>(面、棱、点跌落)<br>(Side\Edge\Angle) | 1、包装件内的电池没有破损或泄漏<br>2、内装物没有移动，并且没有导致电池与电池（或电池芯与电池芯）相互接触<br>3、内装物没有泄漏<br>1,Without damage to cells or batteries contained therein;<br>2,Without shifting of the contents so as to allow battery to battery (or cell to cell) contact;<br>3,Without release of contents. | 被测试包装件能够承受<br>1.2 米跌落试验<br>The test package is capable of withstanding a 1.2m drop test in any orientation. |
| 包装件毛重测试<br>Gross Weight Measure        | 7.988kg  | 合格 Pass   |

### 9. 样品图片 Sample Photo

包装件 Package:



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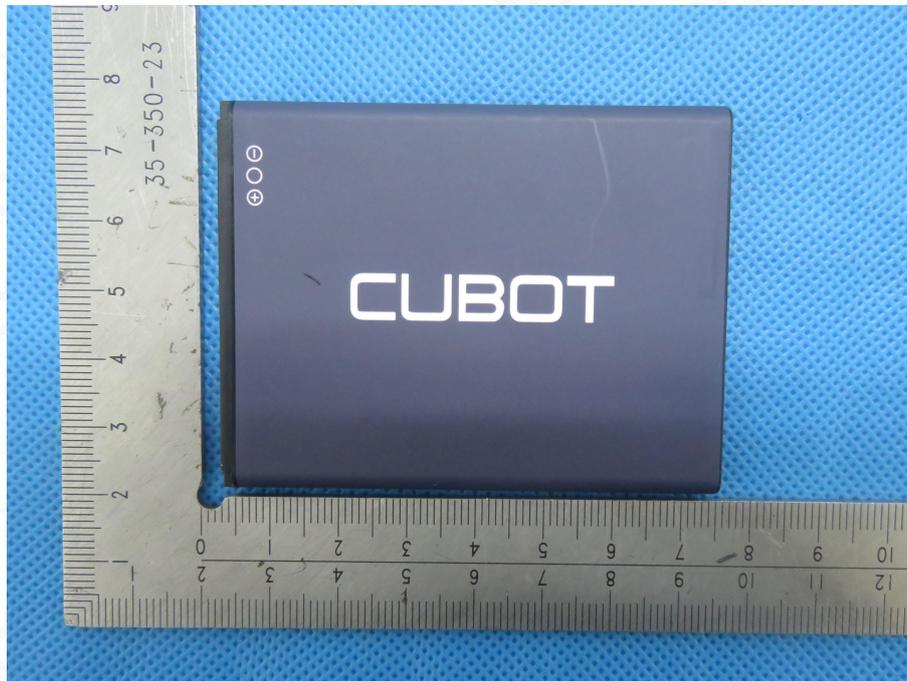
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电池 Battery:



仅对原报告照片中的样品负责

Authenticate the photo on original report only

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