

锂电池跌落测试报告

Lithium Battery Drop Test Report

报告编号 Report No.: AGC01085181202UA02

样品名称 Samples	锂离子电池 Li-ion Battery
样品型号 Model	R15
委托单位 Applicant	深圳市骅福瑞科技有限公司 Shenzhen Huafurui Technology Co., Ltd.
签发日期 Issue Date	2019-03-07

深圳市鑫宇环检测有限公司

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

1. 样品描述 Sample Description

电池描述 Battery Description			
电池名称 Sample Name	锂离子电池 Li-ion Battery	样品型号 Sample Model	R15
标称电压 Nominal Voltage	3.8V	额定容量 Rated Capacity	3000mAh
实验室 Laboratory	深圳市鑫宇环检测有限公司 Attestation of Global Compliance (Shenzhen) Co., Ltd.		
实验地址 Testing Address	深圳市宝安区西乡街道固戍社区茶西三围工业园区第 1.2.3.4 号 2 号一&二楼 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong, China		
委托单位 Applicant	深圳市骅福瑞科技有限公司 Shenzhen Huafului Technology Co., Ltd.		
委托单位地址 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 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 Manufacturer	中山天贸电池有限公司 Zhongshan Tianmao Battery Co., Ltd.		
生产单位地址 Manufacturer Address	中山市坦洲镇新前进村前进一路 208 号 No. 208, Qianjin 1st Road, Xinqianjin Village, Tanzhou Town, Zhongshan City		
包装件描述 Packaging Description			
外包装 Outer package	纸箱 Carton	内包装 Inner package	PVC 盒 PVC Box
包装尺寸 Dimensions	395*395*305 mm* mm* mm	衬垫材料 Cushion	泡沫棉 Foam Cotton
整箱重量 Gross weight	16.82kg	电池数量 Battery number	40/箱 40Pcs/packing
测试开始日期 Client date	2019-02-15	测试结束日期 Finished date	2019-03-07
包装方式 Packaging type	包装箱内含与设备打包的锂电池。 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	

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

2. 参考方法 Reference Method

(ST/SG/AC.10/1/Rev.20th)《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

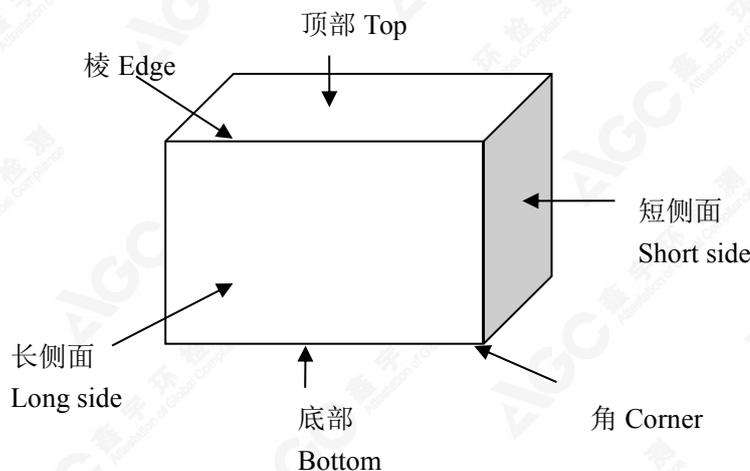
该包装件能够承受 1.2 米跌落试验，其内装的电池没有受损，没有造成内装物移动，以致电池与电池互相接触，并且没有内装物释出。该包装件总重量为：16.82kg (毛重)。

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 16.82 kg 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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

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 Test Item	测试结果 Test Result	结论 Conclusion
1.2m (面、棱、点跌落) (Side\Edge\Angle)	1、包装件内的电池没有破损或泄漏 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 3、内装物没有泄漏 1, Without damage to cells or batteries contained therein; 2, Without shifting of the contents so as to allow battery to battery (or cell to cell) contact; 3, Without release of contents.	被测试包装件能够承受 1.2 米跌落试验 The test package is capable of withstanding a 1.2m drop test in any orientation.
包装件毛重测试 Gross Weight Measure	16.82kg	合格 Pass

9. 样品图片 Sample Photo

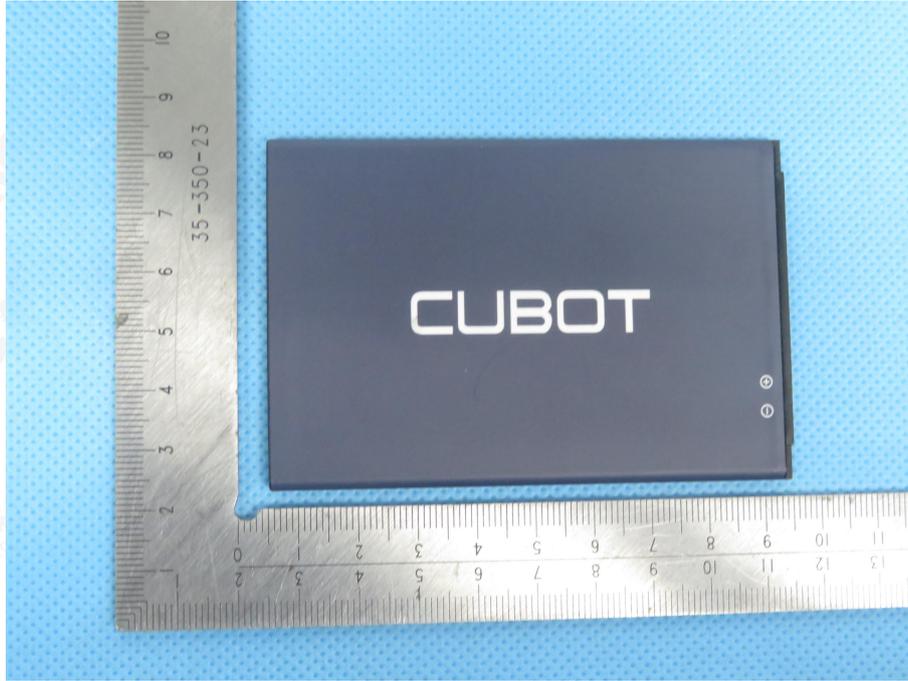
包装件 Package:



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>



电池 Battery:



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>





仅对原报告照片中的样品负责

Authenticate the photo on original report only

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

声 明

Statement

- 1、本报告无本单位报告专用章和批准人签章无效。

This report is invalid without the special seal for report of AGC and the signatures of approver.

- 2、本报告涂改和删除无效。

This report is invalid if it is blotted out and deleted.

- 3、委托单位对检测结果有异议，应于收到报告之日起十五日内向我司提出。

If the applicant has any questions about results, shall submit to AGC within 15 days.

- 4、本报告仅对客户所送样品负责。

This report is responsible for the sample provided by the client only.

- 5、未经本单位许可，不得部分复制、摘自本报告书内容。

This report shall not be reproduced except in full, or extracted, without the written approval of AGC.

- 6、客户必须如实提供样品及资料，否则本单位不承担任何相关责任。

The client should provide samples and relevant data, otherwise we will not bear any relevant responsibilities.

----报告结束---

End of report

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>