

Report No.: SZABB190527009-01

报告编号

# TEST REPORT

## 检测报告

Client Name : ZAOZHUANG GOLD SPRING ASSOCIATION CO., LTD.  
委托单位 : 枣庄源铭商贸有限公司

Address : NO.15 ZHENXING ROAD, SHIZHONG DISTRICT,  
地址 : ZAOZHUANG, SHANDONG, CHINA  
山东省枣庄市市中区振兴中路 15 号

Product Name : Li-ion Rechargeable Battery  
产品名称 : 锂离子可充电电池

Date : Jun. 05, 2019  
日期 : 2019 年 06 月 05 日

**Shenzhen Anbotek Compliance Laboratory Limited**  
**深圳安博检测股份有限公司**



## Marking 说明



1. The test report is invalid without the official stamp of Shenzhen Anbotek Compliance Laboratory Limited;  
本报告无深圳安博检测股份有限公司检测专用章无效;
2. Nobody is allowed to photocopy or partly photocopy this test report Without written permission of Shenzhen Anbotek Compliance Laboratory Limited;  
未经深圳安博检测股份有限公司书面同意，不得部分复制本报告;
3. The test report is invalid without the signatures of Approver, Reviewer and Testing Engineer;  
本报告无批准人、审核人签名无效;
4. The test report is invalid if altered;  
本报告涂改无效;
5. Objections to the test report must be submitted to Test Center within 15 days;  
对检测报告若有异议，应于收到报告之日起十五天内向检测单位提出;
6. The test report is Valid for the tested samples only;  
本报告仅对送检样品负责;
7. As for test Verdict, "—" means is "no need for judgment" "N/A" means is "not applicable", "P" mean "pass", "F" means "fail".  
本报告检测结论中"—"表示"不作判定"，"N/A"表示"不适用"，"P"表示"符合标准要求"，"F"表示"不符合标准要求"。

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## TEST REPORT 检测报告

Product 样品名称	Li-ion Rechargeable Battery 锂离子可充电电池	Model 规格型号	3.6V 6800mAh
Applicant 委托单位	ZAOZHUANG GOLD SPRING ASSOCIATION CO., LTD. 枣庄源铭商贸有限公司	Trademark 商标	/
Manufacturer 生产单位	ZAOZHUANG GOLD SPRING ASSOCIATION CO., LTD. 枣庄源铭商贸有限公司	Quantity 数量	8pcs
Applicant address 委托单位地址	NO.15 ZHENXING ROAD, SHIZHONG DISTRICT, ZAOZHUANG, SHANDONG, CHINA 山东省枣庄市市中区振兴中路15号	Sample(s) received date 样品接收日期	2019-05-27
Test item 测试项目	Overcharge 过度充电		
Test Method 检验依据	According to ST/SG/AC.10/11/Rev.6/Amend.1(T.7) 依据(ST/SG/AC.10/11/Rev.6/Amend.1)(T.7)		
Testing period 检验日期	2019-05-27 to 2019-06-04		
Testing laboratory name 测试实验室名称	Shenzhen Anbotek Compliance Laboratory Limited 深圳安博检测股份有限公司		
Testing laboratory address 测试实验室地址	East of 4/F., Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China 中国.深圳宝安区西乡街道后瑞第三工业区 A 栋四楼		
Test Conclusion 检验结论	<p>The items tested (test) of the test samples are all required by the request of the client.受 检样品所检验(试验)的项目符合委托方要求。</p> <p>Inspection unit (seal) 检验单位(盖章) Issue date: Jun. 05, 2019 签发日期: 2019年06月05日</p>		

Tested by: 徐雄锋

检测

Checked by: 孙德勇

审核

Approved by: 批

批准



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## 1. Test Information for Sample 样品测试信息

Sample name 样品名称	Sample number 样品编号	Test item 测试项目	Test method 测试标准
Li-ion Rechargeable Battery 锂离子可充电电池	B1~B8	Overcharge 过度充电	According to ST/SG/AC.10/11/Rev.6/Amend.1 依据(ST/SG/AC.10/11/Rev.6/Amend.1)

Battery main features 电池特性如下:

Model 型号	Nominal capacity 标称容量	Nominal voltage 标称电压	Nominal Charge Current 标准充电电流	Nominal Discharge Current 标准放电电流	Maximum Charge Current 最大充电电流	Maximum Discharge Current 最大放电电流	Charge Voltage 充电电压	Cut-off Voltage 放电截至电压
3.6V 6800mAh	6800mAh	3.6V	3400mA	1360mA	3400mA	6800mA	4.3V	2.5V

## 2. Environmental Condition 实验室环境:

2.1 temperature 环境温度: 20±5°C

2.2 Humidity 相对湿度: 25%~65%

2.3 Atmospheric pressure 大气压强: 86kpa~106kpa

## 3. Test Equipment 实验设备:

Equipment 设备	Mode 型号	Serial number 仪器编号	Validity period 有效日期
Battery Charge And Discharge System 电池充放电系统	CT-3008-25V10A-NA	SE-172	2020.04.02

## 4. Test Condition 测试条件:

Test item 测试项目	Test condition 测试方法
T.7 Overcharge 过度充电	<p>The charge current shall be twice the manufacturer's recommended maximum continuous charge current. The minimum voltage of the test shall be as follows:</p> <p>(a) When the manufacturer's recommended charge voltage is not more than 18V, the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the battery or 22V.</p> <p>(b) When the manufacturer's recommended charge voltage is more than 18V, the minimum voltage of the test shall be 1.2 times the maximum charge voltage.</p> <p>Tests are to be conducted at ambient temperature; the duration of the test shall be 24 hours. Rechargeable batteries meet this requirement if there is no disassembly and no fire during the test and within seven days after the test.</p> <p>充电电流必须是制造商建议的最大持续充电电流的两倍。试验的最小电压如下:</p> <p>(a) 制造商建议的充电电压不大于 18V 时, 试验的最小电压应是电池最大充电电压的两倍或 22V 两者中的较小者;</p> <p>(b) 制造商建议的充电电压大于 18V 时, 试验的最小电压应为最大充电电压的 1.2 倍。</p> <p>试验应在环境温度下进行, 进行试验的时间应为 24 小时。</p> <p>要求充电电池在试验过程中和试验后 7 天内无解体, 无起火。</p>



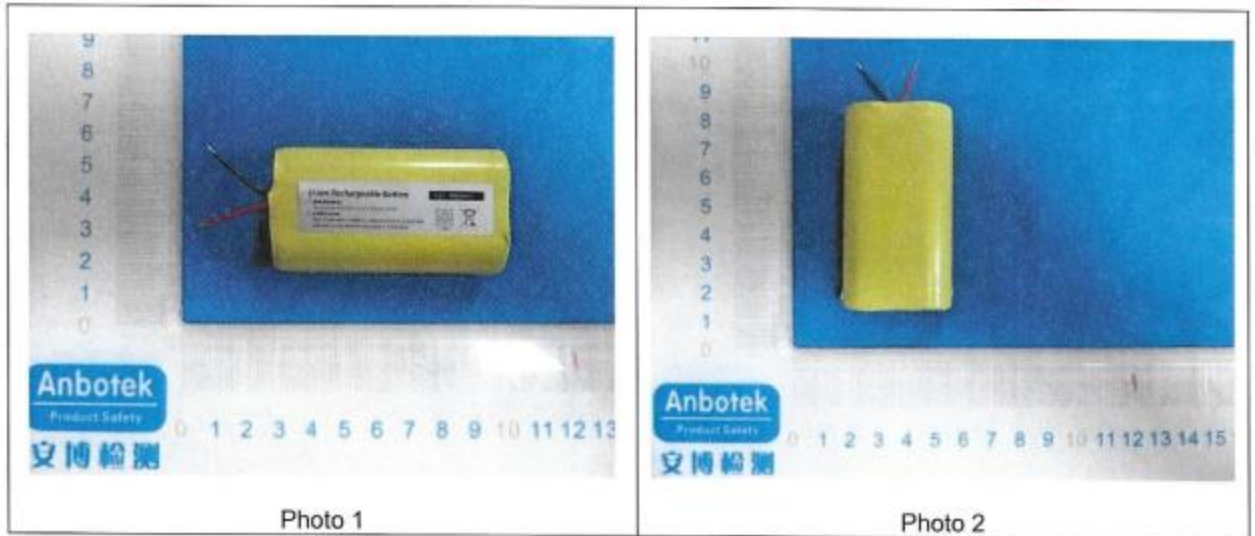
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**5. Test result 测试结果:**

No. 编号	Charge Current(V) 充电电压	Charge Current(mA) 充电电流	result 结果
B1	8.6	6800	P
B2	8.6	6800	P
B3	8.6	6800	P
B4	8.6	6800	P
B5	8.6	6800	P
B6	8.6	6800	P
B7	8.6	6800	P
B8	8.6	6800	P

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6. Sample photos 样品图片:



--End--  
--结束--