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No.: RZUN2020-1963

检测报告 TEST REPORT

UN38.3

| NAME OF SAMPLE: | Rechargeable li-ion Battery | |
|-------------------------|---------------------------------------|--|
| 产品名称: | Rechargeable li-ion Battery | |
| | | |
| CLIENT: | Huizhou Blueway Electronics Co., Ltd. | |
| 委托单位: | 惠州市蓝微电子有限公司 | |
| | | |
| CLASSIFICATION OF TEST: | Commission Test | |
| 检测类别: | 委托测试 | |



检测报告

TEST REPORT

No.:RZUN2020-1963 Page 2 of 14 Pages

| Name of samples: Rechargeable li-ion Battery 样品名称:Rechargeable li-ion Battery | Type/Model: 型号规格: RVBAT85002 14,4V 3000mAh 43,2Wh |
|--|--|
| Color: Yellow 样品颜色:黄色 | Physical shape:Prismatic 样品形状: 棱柱形 |
| Commissioned by: Huizhou Blueway Electronics Co., Ltd. 委托单位: 惠州市蓝微电子有限公司 | Manufacturer: Huizhou Blueway Electronics Co., Ltd. 制造商: 惠州市蓝微电子有限公司 |
| Commissioner address:No.101,West Hechang 5th Road, Zhongkai High-Tech Development Zone, Huizhou,Guangdong,P.R.China 委托单位地址:中国广东省惠州市仲凯高新区和畅五路西 101号 | Manufacturer address:No.101,West Hechang 5th Road, Zhongkai High-Tech Development Zone, Huizhou,Guangdong,P.R.China 制造商地址:中国广东省惠州市仲凯高新区和畅五路西101号 |
| Classification of test: Commission Test 检测类别: 委托测试 | Quantity of sample: 8 battery packs, 30 cells 样品数量: 8 个电池组, 30 个电芯 |
| Tested according to: 测试标准: ST/SG/AC.10/11/Rev.6/Amend.1/Section 38.3 | Sample identification: 样品标识序号:b1#~b8#, c1#~c30# |
| Receiving date: 接样日期: 2020-08-19 | Means of receiving: Submitted by commissioner 接样方式: 委托单位送样 |
| Completing date: 完成日期: 2020-09-11 | Test item: 8 items 测试项目: 8 项 |

Test conclusion:

检测结论:

The Rechargeable li-ion Batteries submitted by Huizhou Blueway Electronics Co., Ltd. are tested according to Section 38.3 of the Sixth revised Edition Amendment 1 of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.6/Amend.1/Section 38.3). The test items are full items. The test results comply with the relevant requirements of the standard.

Wei Gushua

Title:Manager批准人职务:经理

Approved by: Reviewed by: Tested by:

批准: Huangkus 审核: zhang si Yao 检测:

Description and illustration of the sample:

样品说明及描述:

The sample's status is good

样品状况良好。

Cell Dimensions/电芯尺寸: φ18mm×65mm

| Test item | Sample No. | State | Remark |
|-----------|------------|--|---|
| 试验项目 | 样品编号 | 状态 | 备注 |
| | b1#~b4# | at first cycle, in fully charged states 第一个交替充电放电周期完全充电状态 | - |
| T.1~T.5 | b5#~b8# | after 25 cycles ending in fully charged states 第 25 个交替充电放电周期完全充电状态 | |
| Te | c1#~c5# | at first cycle at 50% of the design rated capacity 第一个交替充电放电周期充电到设计额定容量的 50% | |
| T.6 | c6#~c10# | after 25 cycles ending at 50% of the design rated capacity 第 25 个交替充电放电周期充电到设计额 定容量的 50% | - |
| | b1#~b4# | at first cycle, in fully charged states 第一个交替充电放电周期完全充电状态 | using undamaged samples previously |
| T.7 | b5#~b8# | after 25 cycles ending in fully charged states 第 25 个交替充电放电周期完全充电状态 | used in tests T.1 to T.5 使用试验 T.1 至 T.5 未 损坏的样品 |
| | c11#~c20# | at first cycle, in fully discharged states 第一个交替充电放电周期完全放电状态 | - |
| T.8 | c21#~c30# | after 25 cycles ending in fully discharged states 第 25 个交替充电放电周期完全放电状态 | - |

| Description | of the | sampling | procedure: |
|-------------|--------|----------|------------|
| | | | |

取样程序的说明:

/

Description of the deviation from the standard, if any:

试验结果不符合标准项的说明:

/

Remarks:

备注:

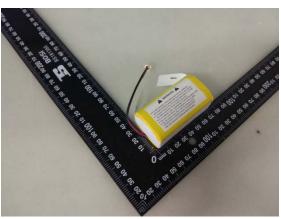
Throughout this report a comma is used as the decimal separator.

本报告中以逗号代替小数点。

Photos of Samples and Labels/样品照片及标识

Battery/电池 (RVBAT85002 14,4V 3000mAh 43,2Wh)







Photos of Samples and Labels/样品照片及标识

Inner Cell/内部电芯(EVE-INR 18650/33V 3,60V 3200mAh 11,52Wh)









| ST/SG/AC.10/11/Rev.6/Amend.1/Section 38.3 | | | | | | | | | |
|---|--|--|----|--|--|--|--|--|--|
| Clause | Requirements Result 测试结果 | | | | | | | | |
| 章节 | 标准要求 | 测试结果 | 判定 | | | | | | |
| 38.3.4 | Procedure/试验步骤 | | _ | | | | | | |
| | Test T.1: Altitude simulation/试验 T.1: 高度模拟 | | | | | | | | |
| | Test cells and batteries shall be stored at a pressure of 11,6kPa or less for at least six hours at ambient temperature (20±5℃)/ 将电芯和电池在温度为 20±5℃,大气压力为不大于 11,6kpa 的环境中贮存不少于 6 个小时 | | | | | | | | |
| | Requirement/标准要求: | | | | | | | | |
| 30 3 / 1 | 1 Cells and batteries Mass loss limit: ≤0,1% /样品 质量损失≤0,1% | The samples b1#~b8# : No leakage, no venting, no | P | | | | | | |
| 38.3.4.1 | 2 Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. 样品试验后开路电压应不低于试验前开路电压的 | disassembly, no rupture and no fire/编号为 b1#~b8#的样品: 无漏液、无排气、无解体、无破裂以及无着火现象 | · | | | | | | |
| | 90%,此要求不适用于完全放完电的电池和电芯。 3 No leakage, no venting, no disassembly, no rupture and no fire 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生 | The data is shown in Table 1./数据见表 1 | | | | | | | |
| | Test T.2: Thermal test/试验 T.2: 温度试验 | | | | | | | | |
| | Test cells and batteries are to be stored for/电池存储条件如下: | | | | | | | | |
| | 1 For small cells and batteries: one temperature cycle: 72±2℃(6h) —-40±2℃(6h) /对于小型电芯和电池: 一次温度循环为 72±2℃(6h) —-40±2℃(6h) | | | | | | | | |
| | For large cells and batteries: one temperature cycle: 72±2℃(12h) —-40±2℃(12h) /对于大型电芯和电池: 一次温度循环为 72±2℃(12h) —-40±2℃(12h) | | | | | | | | |
| | 2 The maximum time interval between test temperature extremes is 30 minutes/温度转换最大间隔时间为 30min | | | | | | | | |
| | 3 This procedure is to be repeated 10 times/重复 10 次循环 | | | | | | | | |
| 38.3.4.2 | 4 after which all test cells and batteries are to be temperature (20±5℃)/循环结束后,电池在 20±5℃的 | | P | | | | | | |
| | Requirements/标准要求 | | | | | | | | |
| | 1 Cells and batteries Mass loss limit: ≤0,1% /样品 质量损失≤0,1% | The samples b1#~b8# : | | | | | | | |
| | 2 Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. | No leakage, no venting, no disassembly, no rupture and no fire/编号为 b1#~b8#的样品:无漏液、无排气、无解 | | | | | | | |
| | 样品试验后开路电压应不低于试验前开路电压的90%,此要求不适用于完全放完电的电池和电芯。3 No leakage, no venting, no disassembly, no | 体、无破裂以及无着火现象 The data is shown in Table | | | | | | | |
| | rupture and no fire 样品(电池)应无漏液、无排气、无解体、无破裂 以及无着火现象的发生 | 1./数据见表 1 | | | | | | | |

| 1 | Requirements 标准要求 Test T.3: Vibration/试验 T.3: 振动 | Result 测试结果 | Verdict 判定 |
|---|--|---|---------------|
| 1 | ***** | | |
| 20至送 3 ure exa fre 值并度 Fre th 25 in 变到加 4 pe be性时 R 1 质 2 | 应和电池牢固地安装在振动台(的台面)上 The vibration: a sinusoidal waveform with a logarit 00Hz and back to 7Hz traversed in 15 minutes/振至 200Hz,然后在减少回到 7Hz 为一个循环,一个行数。 For cells and small batteries: from 7 Hz a peak active active and small batteries: from 7 Hz a peak active active active and small batteries: from 7 Hz a peak active active active and small batteries: from 7 Hz a peak active act | 表动以正弦波形式,以 7Hz 增加循环持续 15 分钟的对数前移传 celeration of 1gn is maintained tained at 0.8mm (1.6mm total ak acceleration of 8gn occurs is then maintained until the 图池:从 7Hz 开始,以 1gn 的峰诗在 0.8mm(总偏移 1.6mm)相之)。然后保持 8gn 的峰值加速 1gn is maintained until 18Hz is m (1.6mm total excursion) and of 2gn occurs (approximately tained until the frequency is in 以 1gn 的峰值加速度保持不值移 1.6mm)并且频率增加直 2gn 的峰值加速度,直到频率增加 is for each of three mutually the directions of vibration must 实中一个方向必须是垂直样品极 | P |

| ST/SG/AC.10/11/Rev.6/Amend.1/Section 38.3 | | | | | | | | | |
|---|--|--|---|--|--|--|--|--|--|
| Clause 章节 | Requirements Result 标准要求 测试结果 | | | | | | | | |
| 38.3.4.4 | Test T.4: Shock/试验 T.4: 冲击 1 Test cells and batteries shall be secured to the te 定住每个电芯和电池样品的全部配件表面。 2 Each cell shall be subjected to a half-sine shock and pulse duration of 6 milliseconds. Large cells m shock of peak acceleration of 50 gn and pulse duratt 电芯以峰值为 150gn 的半正弦的加速度撞击,脉冲持大加速度 50gn 和脉冲持续时间 11 毫秒的半正弦波冲 Small batteries shall be subjected to a half-sine sho gn (or Acceleration(gn)= √(100850/mass), which is smallliseconds, large batteries shall be subjected to a of 50 gn (or Acceleration(gn)= √(30000/mass), which is smallliseconds/对每个电池以峰值为 150gn (或与弦的加速度撞击,脉冲持续 6 毫秒,大型电池多次 √(30000/mass) 中的较小值)和脉冲持续时间 11 毫秒的显示 分别 Each cell or battery shall be subjected to three stollowed by three shocks in the negative direction comounting positions of the cell or battery for a total c须在三个互相垂直的电池安装方位的正方向经受三次冲击,总共经受 18 次冲击。 Requirements/标准要求: 1 Cells and batteries Mass loss limit: ≤0,1% /样品质量损失≤0,1% 2 Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. 样品试验后开路电压应不低于试验前开路电压的90%,此要求不适用于完全放完电的电池和电芯。3 No leakage, no venting, no disassembly, no rupture and no fire 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生 | of peak acceleration of 150 g_n hay be subjected to a half-sine ion of 11 milliseconds. / 对每个持续 6 毫秒,大型电芯须经受最过击。 ock of peak acceleration of 150 aller) and pulse duration of 6 a half-sine of peak acceleration smaller) and pulse duration of $\sqrt{\frac{100850}{mass}}$ 中的较小值)的半正氮经受最大加速度 $50g_n$ (或与半正弦波冲击。 shocks in the positive direction of three mutually perpendicular of 18 shocks/每个电池或电池组 | P | | | | | | |

| ST/SG/AC.10/11/Rev.6/Amend.1/Section 38.3 | | | | | | | |
|---|--|----------------|---------------|--|--|--|--|
| Clause 章节 | Requirements 标准要求 | Result 测试结果 | Verdict 判定 | | | | |
| 38.3.4.5 | Test T.5: External Short Circuit/试验 T.5 外部短路 | | | | | | |
| | 1 The cell or battery to be tested shall be heated for reach a homogeneous stabilized temperature 57±6 度稳定在 57±4℃ | • | | | | | |
| | 2 the cell or battery shall be subjected to a short circuit condition with a total external resistance of less than 0,1 ohm at 57±4℃, This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to 57±4℃, or in the case of the large batteries, has decreased by half of the maximum temperature increase observed during the test and remains below that value. /将样品正负极用小于 0,1Ω 的总电阻回路进行短路,样品的外表温度恢复到 57±4℃之后保持短路状态 1 小时以上;对于大电池,电池温度降低至最高温升值的一半时实验结束。 3 the cell or battery must be observed for a further six hours for the test to be | | | | | | |
| | concluded, /对电芯或电池必须进一步观察 6 个小时才能下结论。 | | | | | | |
| | Requirements/标准要求: During the test and within six hours after test ,the cells or batteries 在试验过程中以及之后 6 个小时内,电芯或电池样品 1. External temperature not exceed 170℃ 外表温度不超过 170℃ 2. No disassembly, no rupture and no fire. 无解体、无破裂和无着火现象发生。 The samples b1#~b8#: no disassembly, no rupture and no fire/编号为 b1#~b8#的样品: 无解体、无破裂以及无着火现象 The data is shown in Table 1./数据见表 1 | | | | | | |

| Clause | ST/SG/AC.10/11/Rev.6/Amend.1/S | Result | Verdict | | | | |
|--------------|--|---|---------------|--|--|--|--|
| Diause 章节 | Requirements 标准要求 | 测试结果 | verdict 判定 | | | | |
| | Test T.6: Impact / Crush / 试验 T.6: 撞击/挤压 | | | | | | |
| | Impact (applicable to cylindrical cells not less than 18mm in diameter) / | | | | | | |
| | 撞击(适用于直径不小于 18 毫米的圆柱形电池) | | | | | | |
| | 1 This test sample cell or component cell is to be p 将试验样品用的电芯或聚合物电芯放在一个平坦光滑 | | | | | | |
| | 2 A 15,8 mm diameter bar is to be placed across the mass is to be dropped from a height of 61±2,5cn 15,8mm 的不锈钢圆棒横过电池中部放置后,将一质的高度落向样品。 | n onto the sample./将一直径为 | | | | | |
| | 3 The test sample is to be impacted with its longitudinal axis parallel to the flat surface and perpendicular to the longitudinal axis of the 15,8 mm ± 0,1mm diameter curved surface lying across the centre of the test sample. Each sample is to be subjected to only a single impact./ 接受撞击的试样,纵轴应与平坦的表面平行并与横放在试样中心的直径 15,8±0,1 毫米弯曲表面的纵轴垂直。每一个试样只经受一次撞击。 | | | | | | |
| 38.3.4.6 | Requirements/标准要求: 1 Cells external temperature not exceed 170℃.电芯或电池的最高表面温度应不超过 170℃ 2 No disassembly, no fire within six hours of this test 试验结束后 6 个小时之内,电芯和聚合物电芯应无解体和无着火现象发生 | The samples c1#~c10#: no disassembly and no fire/ 编号为 c1#~c10#的样品: 无 解体、无着火现象 The data is shown in Table 2./数据见表 2 | | | | | |
| | Crush (applicable to prismatic, pouch, coin/button cells and cylindrical cells less than 18mm in diameter) / 挤压(适用于棱柱形、袋装、硬币/纽扣电池和直径小于 18 毫米的圆柱形电池) 1 A cell or component cell is to be crushed between two flat surfaces. The crushing is to be gradual with a speed of approximately 1,5 cm/s at the first point of contact. The crushing is to be continued until the first of the three options below is reached. / 将电池或元件电池放在两个平面之间挤压,挤压力度逐渐加大,在第一个接触点上的速度大约为 1,5 厘米/秒。挤压持续进行,直到出现以下三种情况之一: (a) The applied force reaches 13 kN ± 0,78 kN. / 施加的力达到 13kN±0,78kN (b) The voltage of the cell drops by at least 100 mV,/电池的电压下降至少 100 毫伏 (c) The cell is deformed by 50% or more of its original thickness./电池变形达原始厚度的 50%以上。 2. A prismatic or pouch cell shall be crushed by applying the force to the widest side. A button/coin cell shall be crushed by applying the force on its flat surfaces. For cylindrical cells, the crush force shall be applied perpendicular to the longitudinal axis. /棱柱形或袋装电池应从最宽的一面施压。纽扣/硬币形电池应从其平坦表面施压。圆柱形应从与纵轴垂直的方向施压。 Requirements/标准要求: 1 Cells external temperature not exceed 170℃.电 芯或电池的最高表面温度应不超过 170℃ 2 No disassembly, no fire within six hours of this test 试验结束后 6 个小时之内,电芯和聚合物电芯应无 | | | | | | |

| | ST/SG/AC.10/11/Rev.6/Amend.1/5 | Section 38.3 | | | | | |
|--------------|---|--|---------------|--|--|--|--|
| Clause 章节 | Requirements 标准要求 | Result 测试结果 | Verdict 判定 | | | | |
| 38.3.4.7 | Test T.7: Overcharge/试验 T.7: 过度充电 1 The charge current shall be twice the manufacturer's recommended maximum continuous charge current/以 2 倍制造厂推荐的最大持续充电电流对样品充电 2 The minimum voltage of the test shall be as follows/本试验最小电压见下文 | | | | | | |
| | 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/ 如果厂家推荐的充电电压不超过 18V,本试验的最小充电电压应是厂家标定最大充电电压的两倍或者是 22V 之中的较小者。 | The voltage of the test is | | | | | |
| | 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/ 如果厂家推荐的充电电压超过 18V, 本试验的最小充电电压应是厂家标定最大充电电压的1,2倍。 | 22V, and the current is 2A 试验的电压为 22V, 电流为 2A | P | | | | |
| | 3 Tests are to be conducted at ambient temperature 20±5℃, The duration of the test shall be 24 hours/20±5℃的环境温度下,试验持续 24 小时。 | | | | | | |
| | Requirements/标准要求: No disassembly and no fire within seven days of this test | The samples b1#~b8#: For voltage data before test, see table 3. / 试验前电压见表 3 | | | | | |
| | 试验样品在试验中和试验后 7 天内,应无解体和无着火现象发生。 | no disassembly, no rupture and no fire/编号为 b1#~b8# 的样品:无解体、无着火现象 | | | | | |
| | Test T.8: Forced discharge/试验 T.8: 强制放电 | | | | | | |
| | Each cell shall be forced discharged at ambient tem series with a 12 V D.C. power supply at an initial curdischarge current specified by the manufacturer, | | | | | | |
| | 20±5℃的环境温度下,将单个电芯连接在 12V 的直流电源提供给每个电芯初始电流为制造厂指定的最大放 | | | | | | |
| 38.3.4.8 | The specified discharge current is to be obtained by connecting a resistive load of the appropriate size and rating in series with the test cell. Each cell shall be forced discharged for a time interval (in hours) equal to its rated capacity divided by the initial test current (in ampere) | | | | | | |
| | 指定的放电电流通过串联在试验电芯上的合适大小和的强制放电时间(小时)为额定容量除以初始电流(| | | | | | |
| | Requirements/标准要求: No disassembly and no fire within seven days of this test 试验样品在试验中和试验后 7 天内,应无解体和无着 火现象发生。 | The samples c11#~c30#: no disassembly and no fire/编号为 c11#~c30#的样 品: 无解体、无着火现象 The data is shown in Table 4./数据见表 4 | | | | | |

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| | Table1: T1~T5 / 表 1. 试验 1~试验 5 | | | | | | | | | | | | | | |
|----------------------|--------------------------------|----------------------|-----------------------------------|--------------------------------|--------|----------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|--|-------------------------|---------------------------|---------------------|
| Sample No. 样品号 | test / 试 | prior to test / 试 | OCV prior to test /试 验前电 | Test T.1: simula 试验 T.1: | ition/ | Test T.2: The 试验 T.2: } | | Test T.3: V 试验 T.3 | | Test T.4: S 试验 T.4: | | Test T.5: External Short Circuit/ 试验 T.5 外部 短路 | | | |
| 1年前 5 | 验前质 验前电 量(g) 压(V) | | | | | | Mass loss(%) 质量损失(%) | Change ratio 电压比(%) | Mass loss(%) 质量损失(%) | Change ratio 电压比(%) | Mass loss(%) 质量损失(%) | Change ratio 电压比(%) | Mass loss(%) 质量损失(%) | Change ratio 电压比(%) | Temp. (℃) 温度 (℃) |
| b1# | 201,440 | 16,723 | 0,000 | 99,65 | 0,009 | 98,70 | 0,000 | 99,98 | 0,000 | 99,99 | 57,7 | | | | |
| b2# | 201,050 | 16,715 | 0,000 | 99,68 | 0,009 | 98,73 | 0,000 | 99,98 | 0,000 | 99,99 | 57,3 | | | | |
| b3# | 201,160 | 16,723 | 0,000 | 99,67 | 0,009 | 98,69 | 0,000 | 99,99 | 0,000 | 99,99 | 57,9 | | | | |
| b4# | 201,220 | 16,719 | 0,000 | 99,66 | 0,014 | 98,70 | 0,000 | 99,99 | 0,000 | 99,99 | 57,4 | | | | |
| b5# | 201,390 | 16,720 | 0,000 | 99,67 | 0,009 | 98,70 | 0,000 | 99,99 | 0,000 | 99,99 | 57,5 | | | | |
| b6# | 201,310 | 16,724 | 0,000 | 99,67 | 0,009 | 98,69 | 0,000 | 99,98 | 0,000 | 99,99 | 57,6 | | | | |
| b7# | 201,280 | 16,722 | 0,000 | 99,67 | 0,014 | 98,68 | 0,000 | 99,99 | 0,000 | 99,99 | 57,2 | | | | |
| b8# | 201,120 | 16,721 | 0,000 | 99,65 | 0,009 | 98,68 | 0,000 | 99,99 | 0,000 | 100,00 | 57,1 | | | | |

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| Table2: Impact / 表 2: 撞击 | | | | | | | | | | | |
|-----------------------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Took T.C. | Sample No. 样品号 | c1# | c2# | c3# | c4# | c5# | c6# | c7# | c8# | c9# | c10# |
| Test T.6: Impact/试验 T.6: 撞击 | OCV prior to test / 试验前电压(V) | 3,701 | 3,705 | 3,704 | 3,703 | 3,706 | 3,702 | 3,704 | 3,703 | 3,702 | 3,704 |
| | Temp. (℃) 温度 (℃) | 24,1 | 24,3 | 24,1 | 24,7 | 24,5 | 24,6 | 24,8 | 24,7 | 24,3 | 24,5 |

| Table3: Overcharge Test of batteries/ 表 3 过度充电 | | | | | | | | | | |
|--|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Test T.7: Overcharge / 试验 T.7: 过度 充电 | Sample No. 样品号 | b1# | b2# | b3# | b4# | b5# | b6# | b7# | b8# | |
| | OCV prior to test /试验前电压(V) | 16,682 | 16,687 | 16,680 | 16,681 | 16,678 | 16,681 | 16,684 | 16,685 | |

| Table 4: Forced discharge / 表 4. 强制放电 | | | | | | | | | | | |
|---|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Test T.8: Forced discharge / 试验 T.8: 强制放电 | Sample No. 样品号 | c11# | c12# | c13# | c14# | c15# | c16# | c17# | c18# | c19# | c20# |
| | OCV prior to test / 试验前电压(V) | 2,852 | 2,861 | 2,866 | 2,859 | 2,865 | 2,857 | 2,861 | 2,862 | 2,867 | 2,861 |
| | Sample No. 样品号 | c21# | c22# | c23# | c24# | c25# | c26# | c27# | c28# | c29# | c30# |
| | OCV prior to test / 试验前电压(V) | 2,869 | 2,864 | 2,862 | 2,870 | 2,868 | 2,863 | 2,867 | 2,872 | 2,870 | 2,866 |

注意事项 Important

1. 报告无检测单位印章无效。

The test report is invalid without the official stamp of CVC.

- 2. 未经本试验室书面同意,不得部分地复制本报告。
 Nobody is allowed to photocopy or partly photocopy this test report without written permission of CVC.
- 3. 本报告无批准人、审核人及检测人签名无效。
 The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.
- 4. 本报告涂改无效。

The test report is invalid if altered,

- 5. 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。 Objections to the test report must be submitted to CVC within 15 days,
- 6. 本报告仅对送检样品负责。
 The test report is valid for the tested samples only.
- 7. 判定栏中"-"表示"不需要判定", "P"表示"通过", "F"表示"不通过", "N/A"表示"不适用"。

As for the Verdict, "-" means "no need for judgement", "P" means "pass", "F" means "fail" and "N/A" means "not applicable".

报告中未加 CMA 标志时, 检测数据和结果仅供科研、教学或内部质量控制之用。

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