



检测报告

Test Report

报告编号 (Report No.): S20-B0868

产品名称(Product Name): Rechargeable Li-ion Cell

型号 (Model/Type) : N18650CL-29

委托方(Client) : 郑州比克电池有限公司

Zhengzhou BAK Battery Co., Ltd.

中国电子技术标准化研究院赛西实验室

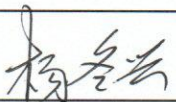

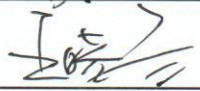
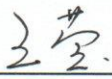
China Electronics Standardization Institute CESI Laboratory

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|---|--|--|---|
| 产品名称 Product Name | Rechargeable Li-ion Cell | 委托方 Client | 郑州比克电池有限公司 Zhengzhou BAK Battery Co., Ltd. |
| 型号规格 Model/Type | N18650CL-29, 3.6V, 2900mAh, 10.44Wh | 委托方地址 Client Address | 河南省郑州市中牟县郑庵镇刘巧村委 LiuQiao Village, Zhengan town, Zhongmu county, Zhengzhou, Henan, China |
| 样品数量 Sample Quantity | 包装 1 套 (200pcs) 1 package (200pcs) | 制造商 Manufacturer | 同委托方 Same Client |
| 样品来源 Sample Source | 送样 Submitted by Manufacturer | 制造商地址 Manufacturer Address | 同委托方地址 Same Client Address |
| 收样日期 Receipt Sample Date | 2020.12.14 | 生产厂 Factory | 同委托方 Same Client |
| 试验类别 Testing Kind | 委托试验 Entrusted Test | 生产厂地址 Factory Address | 同委托方地址 Same Client Address |
| 检验日期 Testing Date | 开始时间 (Start Date): 2020.12.22 结束时间 (Complete Date): 2020.12.22 | | |
| 试验环境 Testing Environment | 温度(Temperature): 17.8℃; 湿度(Humidity): 42%R.H.; 大气压力(Atmospheric Pressure): 101kPa | | |
| 试验标准/方法 Testing Standard /Method | 《危险品规则》(IATA DGR)第六部分 6.3.3 节——跌落试验 "Dangerous Goods Regulations" (IATA DGR) Part VI, 6.3.3 "Drop Test". | | |
| 试验概况与分析 Testing Description | 根据《危险品规则》(IATA DGR)第六部分 6.3.3 节对包装件进行了 1.2m 跌落试验。 According to "Dangerous Goods Regulations" (IATA DGR), Part VI, 6.3.3 "Drop Test", the package is subjected to 1.2m drop test. | | |
| 试验结论 Verdict | 符合要求 Qualified | | |
| 试验 Tested by |  日期 (Date): 2020.12.24 |  <p>中国电子技术标准化研究院 赛西实验室 China Electronics Standardization Institute CESI Laboratory (签章 Stamp) 试验报告专用章 (5)</p> | |
| 审核 Checked by |  日期 (Date): 2020.12.24 | | |
| 批准 Approved by |  日期 (Date): 2020.12.25 | | |
| | 郭建宇 Guo Jianyu: 质量负责人 Quality Manager 王莹 Wang Ying: 技术负责人 Technical Manager 何鹏林 He Penglin: 副主任 Vice Director | | |
| 注: 判定栏中“P”表示合格, “N”表示不适用或未进行, “F”表示不合格, “—”表示不做判定。 Notes: In verdict column, “P” means pass, “N” means no application, “F” means fail, “—” means no Verdict. | | | |

样品描述及说明 General product information

样品信息 (Sample information):

| | |
|------------------------------|----------|
| 是否可充电 Rechargeable or not | 是 Yes |
|------------------------------|----------|

| | | | | |
|--|-------------------------------|------------------|-----------------------------------|---|
| <input checked="" type="checkbox"/> 电池 Cell | 用途 Use | 动力汽车电池 For EV | 化学组分 Electrochemistry System | 镍钴锰酸锂 LiMn _{1-x-y} Ni _x Co _y O ₂ |
| <input type="checkbox"/> 电池组 Battery | 用途 Use | — | 型号 Battery Model | — |
| | 组成方式 Composing Mode | — | 电池化学组分 Electrochemistry System | — |
| | 电池生产厂 Manufacturer of Cell | | — | |
| | 电池型号 Cell Model | — | 电池容量 Cell Capacity | — |

| | | | | | |
|-----------------------------|--------------|----------------------|-----------------------|--------------------------|--------|
| 运输方式 Transportation Mode | | — | | | |
| 内包装 Inner package | 纸箱 Carton | 外包装 Outer package | 纸箱 Carton | 衬垫材料 Inner material | — |
| 整箱重量 Gross weight | 约 9.8kg | 包装箱尺寸 Dimension | 280mm × 230mm × 250mm | 内含电池数量 Number of cell | 200pcs |

样品参数 (Sample parameters):

| | | | | | |
|-------------------------------------|------|------------------------------------|---------|----------------------------------|---------|
| 标称电压 Nominal Voltage | 3.6V | 额定容量 Rated Capacity | 2900mAh | 额定能量 Rated Energy | 10.44Wh |
| 充电限制电压 Max. Charging Voltage | 4.2V | 最大连续充电电流 Max. Charging Current | 2750mA | 充电电流 Charging Current | 1375mA |
| 放电终止电压 Discharge Cut-off Voltage | 2.5V | 最大放电电流 Max. Discharging Current | 8250mA | 充电截止电流 Charge Cut-off Current | 28mA |

| | |
|---|---|
| 6.3.3 跌落试验 Drop Test | P |
| <p>每个包装件必须承受以任何方位的 1.2m 跌落试验，而不造成：</p> <ul style="list-style-type: none">(a) 包含在其中的电池或电池组的损坏；(b) 使电池组与电池组（或电池与电池）接触的内含物的移动；(c) 内含物的释出。 <p>Each package must be capable of withstand a 1.2 m drop test in any orientation without :</p> <ul style="list-style-type: none">(a) damage to cells or batteries contained therein ;(b) shifting of the contents so as to allow battery to battery (or cell to cell)contact ;(c) release of contents. | |

试验照片 Photos of the drop test

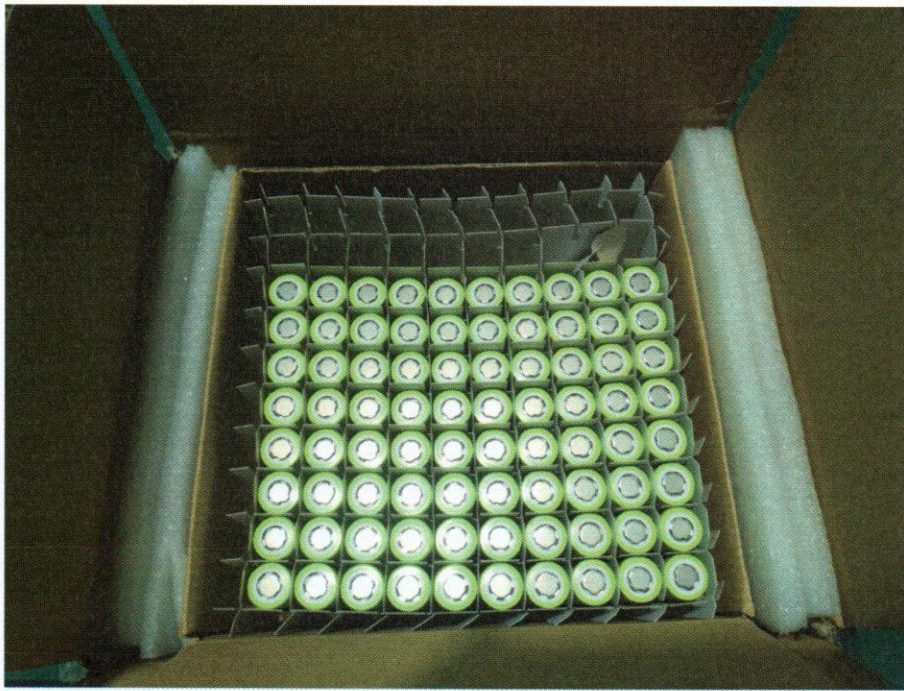


样品包装
Sample package

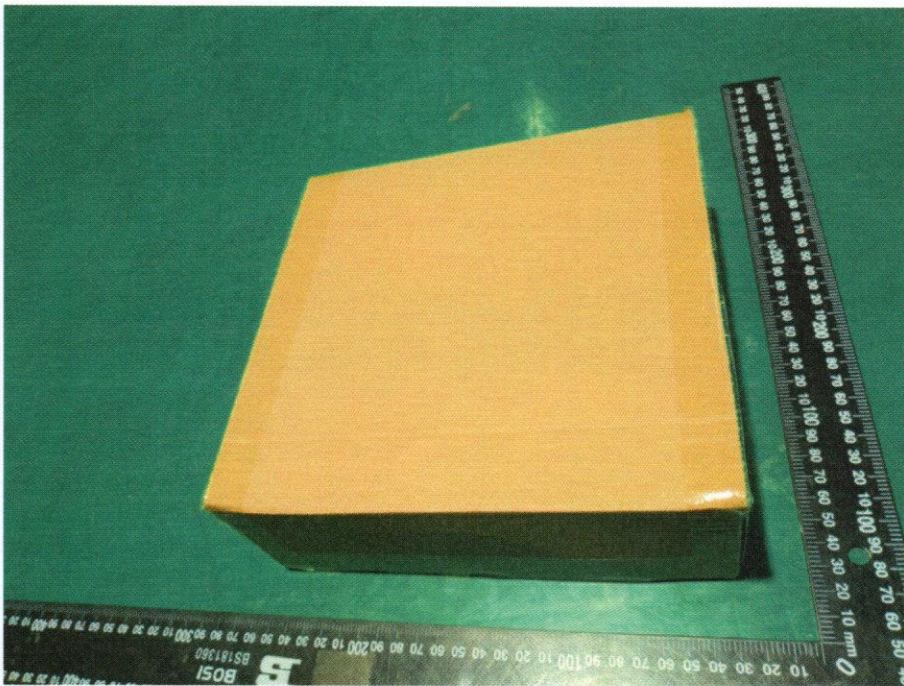


样品包装
Sample package

试验照片 Photos of the drop test



样品包装
Sample package



样品包装
Sample package

试验仪器设备清单
Test equipment list

| 序号 No. | 名称 Name | 型号 Type | 编号 Equipment No. | 校准有效期至 Calibration Date | 本次使用 Used (√) |
|-----------|------------------------------|------------|---------------------|----------------------------|---------------------|
| 1 | 包装跌落试验机 Drop test machine | BF-F-315S | CIS1740-071 | 2021.04.18 | √ |
| 2 | 电子天平 Electronic balance | JS30-1 | CIS1559-024 | 2021.04.18 | √ |
| 3 | 塔尺 Box staff | 3M | CIS204G-088 | 2021.04.18 | √ |

注 意 事 项

NOTES

1. 本报告未加盖“试验报告专用章”无效；

This test report is invalid without testing stamp.

2. 本报告未经本实验室批准不得部分复印；

The test report shall not be reproduced except in full without the written approval of the Laboratory.

3. 本报告试验结果只对受试样品有效；

The test results presented in this report is only valid to the samples tested.

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