

3m 堆码试验报告

3m Stacking Test Report

报告编号 Report No.: S03A23020645D00101

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| 包装件名称: Name of Package: | 锂离子电池 4S-WHDL 14.8V 2600mAh 38.48Wh Lithium Ion Battery 4S-WHDL 14.8V 2600mAh 38.48Wh |
| 委托单位: Applicant: | 尼莫电动工具(惠州)有限公司 Nemo Power Tools(Huizhou)Co.Ltd. |
| 签发日期: Issue Date: | 2023-03-06 |

广东储能检测技术有限公司
报告专用章
Special Seal for Report
Guangdong ESTL Technology Co., Ltd.

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| 包装件名称 Name of Package | 锂离子电池 4S-WHDL 14.8V 2600mAh 38.48Wh Lithium Ion Battery 4S-WHDL 14.8V 2600mAh 38.48Wh |
| 测试实验室 Testing laboratory | 广东储能检测技术有限公司 Guangdong ESTL Technology Co., Ltd. |
| 实验室地址 Laboratory address | 广东省东莞市松山湖园区总部二路9号1栋1单元101、201-208室。 Room 101, 201-208, Unit 1, Building 1, No. 9 Headquarters 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China. |
| 测试地点 Testing location | <input type="checkbox"/> 广东省东莞市松山湖园区总部二路9号1栋1单元101、201-208室 Room 101, 201-208, Unit 1, Building 1, No. 9 Headquarters 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China. <input checked="" type="checkbox"/> 广东省东莞市松山湖园区总部二路11号1栋2单元101室 Room 101, Unit 2, Building 1, No. 11 Headquarters 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China. |
| 委托单位 Applicant | 尼莫电动工具(惠州)有限公司 Nemo Power Tools(Huizhou)Co.Ltd. |
| 委托单位地址 Applicant Address | 广东省惠州市惠城区小金口镇小铁区骆坑村第四工业区二层 2/F,4th Industrial Area,Luokeng illage,Xiaotie Zone,Xiaojinkou Town, Huicheng District,Huizhou City,Guangdong Province,China |
| 包装件生产单位 Manufacturer of package | 深圳市天利合科技有限公司 Shenzhen Tianlihe Technology Co., Ltd |
| 包装生产单位 Manufacturer of packaging | 深圳市天荣纸制品有限公司 Shenzhen Tianrong paper products Co.Ltd |
| 测试标准 Standard | 联合国 《关于危险货物运输的建议书 规章范本》 22th 6.1.5 Revised Edition of the 《Recommendations on the Transport of Dangerous Goods》 ST/SG/AC.10/1/Rev.22 6.1.5 |
| 接样日期 Date of sample receipt | 2023-02-10 |
| 测试日期 Tested date | 2023-02-10 to 2023-03-01 |
| <p>检验结论 Test conclusion:</p> <p>由尼莫电动工具(惠州)有限公司送检的锂离子电池的包装件测试依据联合国 《关于危险货物运输的建议书 规章范本》 (22th) 6.1.5检测。 The PACKAGE for Lithium Ion Battery submitted by Nemo Power Tools(Huizhou)Co.Ltd. is tested according to 22 Revised Edition of the 《Recommendations on the Transport of Dangerous Goods》 ST/SG/AC.10/1/Rev.22 6.1.5</p> <p>试验结果符合联合国 《关于危险货物运输的建议书 规章范本》 (22th) 6.1.5。 The test results comply with the relevant requirements of 22 Revised Edition of the 《Recommendations on the Transport of Dangerous Goods》 ST/SG/AC.10/1/Rev.22 6.1.5.</p> | |

检测 Tested by

王宁

审核 Reviewed by



批准 Approved by

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| 包装件信息 The info of package | |
| 每个包装件毛重 Each package gross weight | 13.5kg |
| 每个包装件中电池净重 In each package battery net | 9.76kg |
| 样品数量 Quantity of samples | 3个包装件 3 package |
| 包装件详细说明 Detailed description of the package | 包装名称: 瓦楞纸箱 Packing Name: corrugated carton 衬垫及其他部件: 纸板隔板 Gasket and other parts: Paper divider 包装件尺寸: 760mm*37.4mm*37.4mm Package size: 760mm*37.4mm*37.4mm 包装件内置电池数量: 50个 Number of Containing in package: 50pcs |
| 加载的负荷 Theoretical Load | 108kgf |
| 样品预处理环境 Ambient Conditions of Sample Preparation | 环境温度: 23.2 °C 相对湿度: 50.6 RH% |
| 备注/Remarks: 1. 本报告中以点代替小数点。 Throughout this report a point is used as the decimal separator. 2. 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”. | |

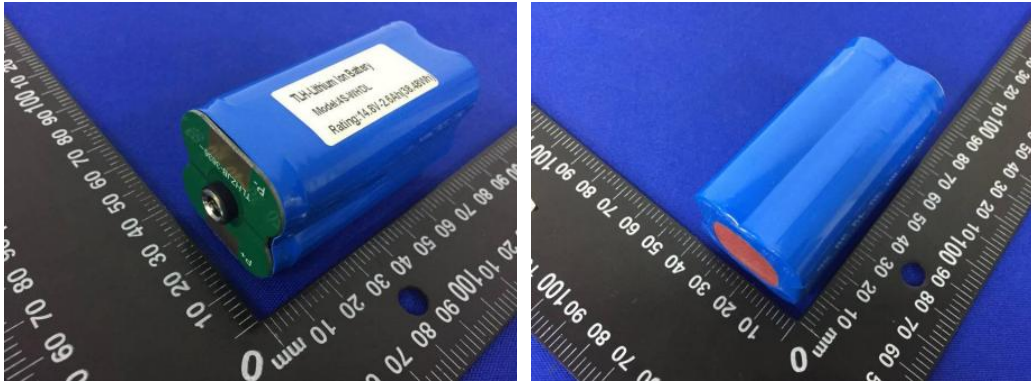
| 章节 Clause | 检测方法 Detection Method | 检测要求 Test Requirements | 判定 Verdict |
|--------------|--|---|---------------|
| 6.1.5 | 3米堆码测试 /3m Stacking Drop test | | P |
| | 测试步骤 / Test procedure | | P |
| | <p>在试验样品的顶部表面施加一力量, 此力相当于运输时可能堆叠在它上面的同样数量包装件的总重量。如果试验样品内装的液体相对密度与待运液体的不同, 则该力应按后者计算。包括试验样品在内的最小堆码高度应是3米。试验时间为24小时, 但拟装液体的塑料桶、罐和复合包装6HH1和6HH2, 应在不低于40°C的温度下经受28天的堆码试验。</p> <p>The test sample shall be subjected to a force applied to the top surface of the test sample equivalent to the total weight of identical packages which might be stacked on it during transport; where the contents of the test sample are liquids with relative density different from that of the liquid to be transported, the force shall be calculated in relation to the latter. The minimum height of the stack including the test sample shall be 3 meters. The duration of the test shall be 24 hours except that plastics drums, jerricans, and composite packagings 6HH1 and 6HH2 intended for liquids shall be subjected to the stacking test for a period of 28 days at a temperature of not less than 40°C.</p> | <p>试验样品不得泄漏。对复合或组合包装而言, 不得有所装的物质从内贮器和内包装中漏出。试验样品不得显出可能对运输安全有不利影响的损坏, 或者可能降低其强度或造成包装件堆码不稳定的变形。在进行评估之前, 塑料包装应冷却至环境温度。</p> <p>No test sample may leak. In composite packagings or combination packagings, there shall be no leakage of the filling substance from the inner receptacle or inner packaging. No test sample may show any deterioration which could adversely affect transport safety or any distortion liable to reduce its strength or cause instability in stacks of packages. Plastics packagings shall be cooled to ambient temperature before the assessment.</p> | P |

Photos of Samples and Labels/样品照片及标识

包装件 Package:



电池 Battery:



--- 报告结束 ---
--- End of Report ---

声明 Declaration

1. 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.

2. 对检验报告若有异议，应于收到报告之日起十五天内向检验单位提出。

Objections to the test report must be submitted to ESTL within 15 days.

3. 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 ESTL.

4. 本报告仅对送检样品负责。

The test report is valid for the tested samples only.

5. 本报告涂改无效。

The test report is invalid if altered.