

3m 堆码试验报告

3m Stacking Test Report

报告编号 Report No.: S03A23020243D00901

包装件名称: 锂离子电芯 SAFD18650 35ME 3.6V 3500mAh 12.6Wh
Name of Package: Li-ion Cell SAFD18650 35ME 3.6V 3500mAh 12.6Wh

委托单位: 深圳市根巨科技有限公司
Applicant: SHENZHEN GENJU TECHNOLOGY CO., LTD

签发日期: 2023-02-22
Issue Date:

广东储能检测技术有限公司

Guangdong ESTL Technology Co., Ltd.



包装件名称 Name of Package	锂离子电芯 SAFD18650 35ME 3.6V 3500mAh 12.6Wh Li-ion Cell SAFD18650 35ME 3.6V 3500mAh 12.6Wh
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	深圳市根巨科技有限公司 SHENZHEN GENJU TECHNOLOGY CO., LTD
委托单位地址 Applicant Address	深圳市龙岗区坂田街道新雪社区上雪科技园商业街办公楼B栋208号 Room 208, Building B, NO.7 East, Shangxue industrial park, Bantian Buji, longgang district, shenzhen, China
包装件生产单位 Manufacturer of package	深圳市根巨科技有限公司 SHENZHEN GENJU TECHNOLOGY CO., LTD
包装生产单位 Manufacturer of packaging	东莞市梦艺纸品有限公司 Dongguan Dream 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	2023-02-01
测试日期 Tested date	2023-02-13 to 2023-02-21
<p>检验结论 Test conclusion:</p> <p>由深圳市根巨科技有限公司送检的锂离子电芯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。</p> <p>The PACKAGE for Li-ion Cell submitted by SHENZHEN GENJU TECHNOLOGY 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。</p> <p>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

陈保霖

审核 Reviewed by

杨生红

批准 Approved by

林



包装件信息 The info of package	
每个包装件毛重 Each package gross weight	10.0kg
每个包装件中电池净重 In each package battery net	9.52kg
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: 435mm*225mm*110mm Package size: 435mm*225mm*110mm 包装件内置电池数量: 200个 Number of Containing in package: 200pcs
加载的负荷 Theoretical Load	270kgf
样品预处理环境 Ambient Conditions of Sample Preparation	环境温度: 22.5℃ 相对湿度: 51%
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:



电芯 Cell:



--- 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.