



中国认可
国际互认
检测
TESTING
CNAS L4065



Report No.:

报告编号: WHFAT20240320SP01

3m Stacking Test Report

3 米堆码试验检测报告

Product Name:

产品名称:

Package contained Lithium Battery: ER10450

包装件, 内含锂电池: ER10450

Contained batteries'

Model and Parameters:

内含电池型号参数:

ER10450, 3.6V, 1000mAh

Test Classification:

检测类别:

Commission test

委托检测

Issue Date:

签发日期:

2024-04-28

Tested by/测试

Jordy Liao

Test Engineer

Reviewed by/审核

Juan Huang

Audit Engineer

Approved by/批准

Xu Hongbin

Approval Engineer

Guangzhou MCM Certification & Testing Co., Ltd.

广州邦禾检测技术有限公司



General Information 基本信息

Application information/申请单位:

Applicant.....: WUHAN FANSO TECHNOLOGY CO.,LTD
 申请单位.....: 武汉孚安特科技有限公司
 Address.....: Floor 2, Building 3, Jiahua Tehnology Industrial Park, No.270 of
 申请单位地址.....: HuangjinkouThree Village, Hanyang District, Wuhan City, China
 武汉市汉阳区黄金口三村 270 号加华科技产业园 3 号楼 2 层
 Contact information.....: Tel: 18627884463
 联系方式.....: E-mail: 094673@evebattery.com
 Website: https://www.fansobattery.com

Product Information/产品信息:

Product Name.....: Package contained Lithium Battery: ER10450
 产品名称.....: 包装件, 内含锂电池: ER10450
 Contained batteries'
 Model and Parameters..: ER10450, 3.6V, 1000mAh (Lithium content= 0.3g)
 内装电池型号参数.....:

Factory of Package.....: WUHAN FANSO TECHNOLOGY CO.,LTD
 包装件生产单位.....: 武汉孚安特科技有限公司
 Factory of Packaging.....: 武汉华美达纸箱包装有限公司
 包装容器生产单位.....:

Testing Laboratory/测试实验室:

Laboratory.....: Guangzhou MCM Certification & Testing Co., Ltd.
 测试单位.....: 广州邦禾检测技术有限公司
 Address.....: Building 2 No. 45 Zhong Er Section of Shiguang Road, Zhongcun Street,
 Panyu District, Guangzhou City, Guangdong Province, China.
 测试单位地址.....: 中国 广东省广州市番禺区钟村街市广路钟二路段 45 号 2 栋
 Testing Location.....: As above
 测试实验室地址.....: 同上

Test Specification/测试标准:

Standard.....: ST/SG/AC.10/1 UNITED NATIONS "Recommendations on the TRANSPORT
 OF DANGEROUS GOODS" Model Regulations(22nd) 6.1.5.6
 测试标准.....: ST/SG/AC.10/1 联合国《关于危险货物运输的建议书 规章范本》(Rev.22)
 6.1.5.6

Test conclusion/测试结论:

Receipt Date.....: 接收日期.....:	2024-03-20	Sample Qty.....: 样品数量.....:	3PCS
Temperature & Humidity of Pre-treatment.....: 预处理的温湿度.....:	23°C 52%RH		

Test Date 测试时间.....: 2024-04-22 ~ 2024-04-24

The package submitted by WUHAN FANSO TECHNOLOGY CO., LTD is capable withstanding a 3m Stacking test in any orientation without damage to cells or batteries contained therein, without shifting of the contents.

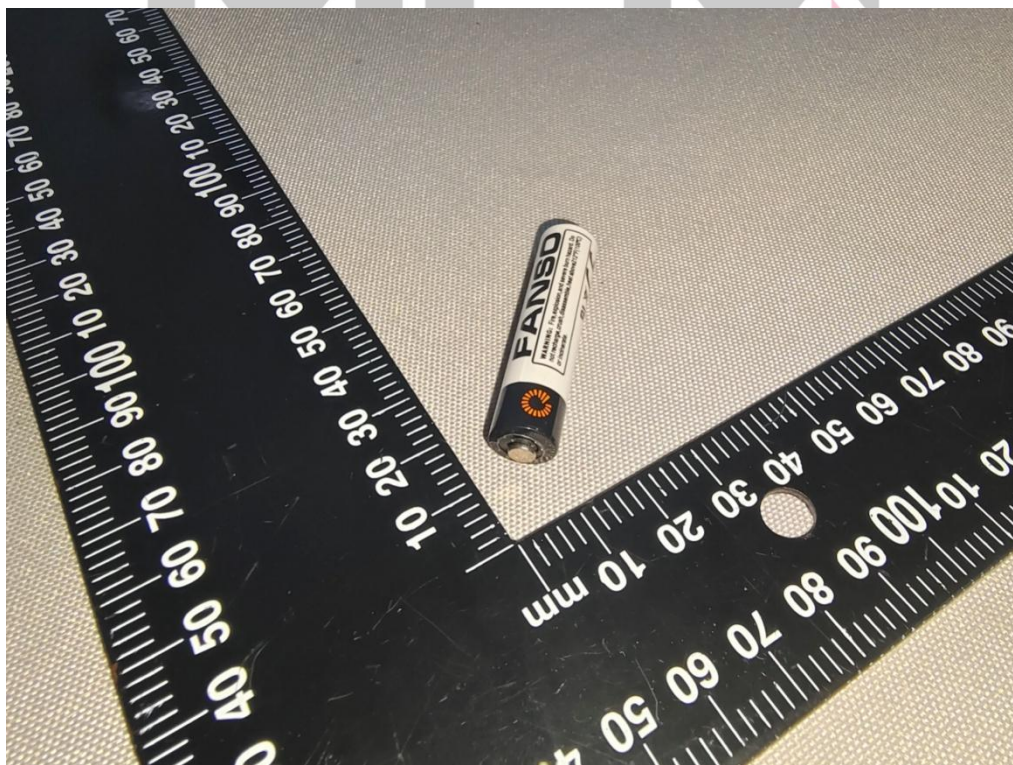
由武汉孚安特科技有限公司送检的包装件能够承受 3m 堆码试验, 其内包装的电池没有损坏, 没有导致内装电池的移动使其相互接触及内装物泄漏。

Seal:
检测专用章:

UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations(22nd) 6.1.5.6 联合国《关于危险货物运输的建议书 规章范本》(Rev. 22) 6.1.5.6			
No. 序号	Requirement + Test 要求 + 测试方法	Result - Remark 结果 - 备注	Verdict 判断
1	Test procedure /测试步骤		P
	The test sample must 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: the force must be calculated in relation to the latter. The minimum height of the stack including the test sample must be 3 m. The duration of the test must be 24 hours. 测试样品的上表面必须受到一个力，这个力相当于在运输过程中可能堆积在上面的相同包装的总重量：力按照包括测试样品在内的堆栈的最低高度必须为 3 米的包装件数量计算，测试的持续时间必须是 24h。		P
	Number of simulated stacking layers 模拟堆码层数	12 layers	P
	Simulated Test pressure 模拟测试压力	28.6kgf	P
2	Requirements /标准要求		P
	Each package is capable of withstanding without damage to cells or batteries contained therein and without reduction of effectiveness. 每个电池的包装件内的电池或电芯的没有损坏，包装件的功能没有降低。	The package is not cracked, the contents are not damaged and not shifted. 包装未破裂，内装物完好	P
3	Package information /包装信息		—
	Packaging material 包装材质	Corrugated board 瓦楞纸板	—
	Package size(mm) 包装箱尺寸(mm)	335×130×260	—
	Material of liner 衬垫材料	Blister + Plastic film 吸塑盒+塑膜	—
	Package weight (kg) 包装重量(kg)	2.6	—
	Content: Lithium-ion / Lithium-metal cells / batteries 内装物：锂离子/锂金属 电芯/电池	Lithium-metal cells 锂金属电芯	—
	Number of batteries or cells per package (pcs) 包装件内含电池或电芯的数量(pcs)	180	—
	Net weight of batteries or cells per package(kg) 单个包装件内电池或电芯的净重量(kg)	1.80	—

Photos of the Cell 电芯照片

Cell: ER10450, 3.6V, 1000mAh (Lithium content= 0.3g)



Photos of the Package 包装照片

General view before test 测试前全貌



Sample inspection after test 测试后检查



-- End of Report --

Important Note**注意事项**

1. This test report is invalid without the special testing seal and cross-page seal of Guangzhou MCM Certification & Testing Co., Ltd.
本检测报告无广州邦禾检测技术有限公司检测专用章、骑缝章无效。
2. Nobody is allowed to partly photocopy this test report without written permission of Guangzhou MCM Certification & Testing Co., Ltd.
未经广州邦禾检测技术有限公司书面同意，不得部分复制本检测报告。
3. This test report is invalid without the signatures of Approver, Reviewer and Tester.
本检测报告无批准人、审核人及检测员签名无效。
4. This test report is invalid if altered.
本检测报告涂改无效。
5. Objection to this test report must be submitted to Guangzhou MCM Certification & Testing Co., Ltd. within 15 days after the publication of the report.
若对此检测报告有异议，必须在报告发布之日起十五天内向广州邦禾检测技术有限公司提出。
6. This test report is only responsible for the received samples.
本检测报告仅对来样负责。
7. As for the test results, "N/A" means "Not applicable", "P" means "Pass" and "F" means "Fail".
本检测结果判定中"N/A"表示"不适用"，"P"表示"通过"，"F"表示"不通过"。

Testing Lab.:	Guangzhou MCM Certification & Testing Co., Ltd.
检测单位:	广州邦禾检测技术有限公司
Address:	Building 2 No. 45 Zhong Er Section of Shiguang Road, Zhongcun Street, Panyu District, Guangzhou City, Guangdong Province, China.
地址:	中国 广东省广州市番禺区钟村街市广路钟二路段 45 号 2 栋
Tel/电话:	+86-20-3477 7662 或 0086-020-3477 7662
Email/电子邮箱:	service@mcmtek.com
Web/公司网址:	https://www.mcmtek.com