



检测
CNAS L0095



2011002171A

Page 1 of 7 Pages

No.: GJW2013-3946

检验报告

TEST REPORT

NAME OF SAMPLE: Lithium Metal Manganese (Li-MnO₂) Battery
产品名称: 锂-锰 (Li-MnO₂) 电池

CLIENT: Huizhou Huiderui Lithium Battery Technology Co., Ltd.
委托单位: 惠州市惠德瑞锂电科技有限公司

CLASSIFICATION OF TEST: Commision Test
检验类别: 委托检验




威凯检测技术有限公司
Vkan Certification & Testing Co., Ltd.

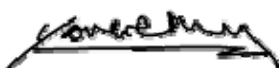

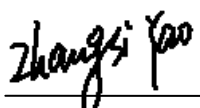
检验报告

TEST REPORT

Ref. No.: GJW2013-3946

Page 2 of 8 Pages

Commissioned by: Huizhou Huiderui Lithium Battery Technology Co., Ltd. 委托单位: 惠州市惠德瑞锂电科技有限公司	Name of samples: Lithium Metal Manganese (Li-MnO ₂) Battery 样品名称: 锂-锰 (Li-MnO ₂) 电池
Commissioner address: No.67, Hechang West 3rd Road, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, P. R. China 委托单位地址: 广东省惠州市仲恺高新区和畅西三路 67 号	Type/Model: 型号规格: CR123A(CR17345) 3,0V 1350mAh
Manufacturer: Huizhou Huiderui Lithium Battery Technology Co., Ltd. 制造商: 惠州市惠德瑞锂电科技有限公司	Appearance: Golden and black 样品外观颜色: 金黄色与黑色
Manufacturer address: No.67, Hechang West 3rd Road, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, P. R. China 制造商地址: 广东省惠州市仲恺高新区和畅西三路 67 号	Trade mark: 商标: 德赛 (Desay) / 惠德瑞 (Huiderui)
Factory: Huizhou Huiderui Lithium Battery Technology Co., Ltd. 生产厂: 惠州市惠德瑞锂电科技有限公司	Package of goods: Corrugated carton 样品外包装: 硬板纸箱
Factory address: No.67, Hechang West 3rd Road, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, P. R. China 生产厂地址: 广东省惠州市仲恺高新区和畅西三路 67 号	Sample status: The samples' status are good. 样品状态: 样品状况良好。
Classification of test: Commission test 检验类别: 委托检验	Quantity of sample: 1 package 样品数量: 1 只包装
Tested according to: Special provision I88 of IMDG CODE (Amdt. 36-12) 2012 Edition 测试标准: 国际海运危险货物运输规则 (Amdt 36-12) 2012 版特殊规定 188	Sample identification: p1# 样品标识序号: p1#
Test item: 1 items 测试项目: 1 项	Means of receiving: Submitted by client 接样方式: 委托单位送样
Receiving date: 接样日期: 2013-11-22	Completing date: 鉴定完成日期: 2014-01-03
Test conclusion: 检验结论: The package of Lithium Metal Manganese (Li-MnO ₂) Batteries submitted by Huizhou Huiderui Lithium Battery Technology Co., Ltd. are tested according to the requirements of special provision I88 of IMDG CODE (Amdt. 36-12) 2012 Edition, and the test item is 1,2 m drop test. 由惠州市惠德瑞锂电科技有限公司送检的锂-锰 (Li-MnO ₂) 电池包装依据国际海运危险货物运输规则 (Amdt 36-12) 2012 版特殊规定 188 相关要求进行了 1.2m 跌落测试。 The test results comply with the relevant requirements of special provision I88 of IMDG CODE (Amdt. 36-12) 2012 Edition 试验结果符合国际海运危险货物运输规则 (Amdt 36-12) 2012 版特殊规定 188 相关要求。	
 Seal of CVC CVC 公章: Date of issue: 2014-01-03 签发日期:	

Approved by:	Reviewed by: Huang Kun	Tested by: Zhang Siyao	
批准: 	审核: 	检测: 	

Description and illustration of the sample:

样品说明及描述:

The samples' status is good.

样品状况良好。

The weight of the package is about 14,5 kg, and the size of the package is 37cm×24cm×19cm.

包装箱重约 14,5 千克, 包装箱的大小为 37cm×24cm×19cm。

Each package contains 800 batteries.

每包装箱内含 800 只电池。

Description of the sampling procedure:

取样程序的说明:

/

Description of the deviation from the standard, if any:

测试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.

本报告英文部分中以逗号代替小数点。

Photos and markings/样品照片及标识

CR123A(CR17345) 3,0V



Photos and markings/样品照片及标识

包装箱/Package (测试前/before test)



包装箱/Package (测试后/after test)



Clause 条款	Requirement & test 试验及要求	Result 测试结果	Verdict 判定	
1	1,2m Drop test / 1.2 米跌落测试		P	
	Test procedure / 测试步骤		-	
	The package of batteries is dropped from 1.2m / 电池包装件从 1.2 米跌落		-	
	<p>Drop orientation/跌落方向: Where more than one orientation is possible for a given drop, the orientation most likely to result in failure of the packing must be used. / 如在一次跌落试验中可能有一种以上的方向, 须选择最易使包装损坏的跌落方向。</p> <p>Drop orientation for a package which are in the shape of a box. / 箱状包装的跌落方向: First drop: flat on the bottom / 第一次: 以箱底平跌 Second drop: flat on the top / 第二次: 以箱顶平跌 Third drop: flat on the long side / 第三次: 以一长侧面平跌 Fourth drop: flat on the short side / 第四次: 以一短侧面平跌 Fifth drop: on a corner / 第五次: 以一个角跌落</p>	<p>The package is in the shape of a box. The package is subjected to five drops in different orientation. 此包装为箱状, 并经受五个方向的跌落。</p>	-	
	<p>Drop Target / 跌落目标: The target must be a non-resilient horizontal surface and must be / 跌落目标须为坚硬、无弹性的水平表面且须: (a) integral and massive enough to be immovable / 足够完整、厚重以固定不动; (b) flat with a surface kept free from local defects capable of influencing the test results / 表面平坦, 无影响试验结果的局部缺陷; (c) rigid enough to be non-deformable under test conditions and not liable to become damaged by the tests / 具有足够的刚性, 在试验条件下不会变形并不会被试验所损坏; (d) sufficiently large to ensure that the test package falls entirely upon the surface / 具有足够大的规格以便试验包装完全跌落在表面上。</p>	<p>The drop target is a concrete floor. 跌落目标为水泥地面。</p>	-	
	Requirements/要求		P	
	<p>Each package is capable of withstanding a 1,2m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery (or cell to cell) contact and without release of contents. 每个包件须能承受任何方向 1.2m 的跌落试验而内装的电芯或电池不发生损坏, 不发生造成电芯或电芯 (电池与电池) 接触的内容物移位及内容物漏出。</p>	<p>Sample No. 样品号</p>	P1#	P
		<p>Size/包装尺寸</p>	37 cm×24 cm×19 cm	
		<p>Weight / 包装重量</p>	14,5kg	
		<p>Status 跌落后状态</p>	<p>No damage to batteries or cells; No battery to battery (or cell to cell) contact; No release of contents from the package. 电芯或电池无损坏; 无电池与电池 (电芯与电芯) 接触; 无内容物从包装漏出。</p>	

注 意 事 项

Important

1. 报告无检验单位公章无效。
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。
Any photocopies or part photocopies of the test report are forbidden without the written permission from CVC.
 3. 报告无负责人、审核人签名无效。
The test report is invalid without the signatures of Author and Reviewer.
 4. 报告涂改无效。
The test report is invalid if altered.
 5. 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 CVC within 15 days.
 6. 一般情况,委托检验仅对来样负责。
Generally, commission test is responsible for the tested samples only.
1. 判定栏中“-”表示“不需要判定”，“P”表示“通过”，“F”表示“不通过”，“N”表示“不适用”。
As for the Verdict,“-” means “no need for judgement”, “P” means “pass”, “F” means “fail” and “N” means “not applicable”.

地 址：中国 广州市科学城开泰大道天泰一路 3 号

Address: No.3,Tiantaiyi Road,Kaitai Avenue,Science City,Guangzhou China

电 话(Tel): 020 32293888

传 真(FAX): 020 32293889

邮政编码(Post Code): 510663

E-mail: office@cvc.org.cn (goffice@gtihea.com)

http: //www.cvc.org.cn