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No.: UN2013-1131-2

货物运输条件鉴定报告书

Report for Safe Transport of Goods

锂电池—满足 IMDG CODE (Amdt. 36-12) 2012 版特殊规定 188
 海运
 By Sea
 Lithium Battery-Complies with the special provision 188 of IMDG
 CODE (Amdt. 36-12) 2012 Edition

可充电锂离子电池

货物名称:

24-530001-03 7,2V 5900mAh 42,48Wh

Rechargeable Lithium-ion Battery

Name of sample:

24-530001-03 7,2V 5900mAh 42,48Wh

委 托 单 位:

广州明美电子有限公司

Commissioner:

Guangzhou TWS Electronics Limited



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货物运输条件鉴定报告书

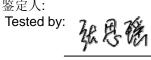
Report for Safe Transport of Goods

Report for Safe Transport of Goods						
样品名称	可充电锂离子电池					
Sample name	Rechargeable Lithium-ion Batte	ery				
委托单位	广州明美电子有限公司					
Commissioned by	Guangzhou TWS Electronics L					
	广州市高新技术产业开发区科学城南云三路 39 号					
安加平位地址 Commissioner address	No.39 Nanyunsan Road, Science Park, Hi-Tech Industrial Development Zone,					
Commissioner address	Guangzhou, P. R. China					
生产单位	广州明美电子有限公司					
Manufacturer	Guangzhou TWS Electronics Limited					
生产单位地址	广州市高新技术产业开发区科学城南云三路 39 号 No.39 Nanyunsan Road, Science Park, Hi-Tech Industrial Development Zone					
Manufacturer address						
Mandiacturer address	Guangzhou, P. R. China					
	型号规格/Type	24-530001-03 7,2V 5900mAh 42,48Wh				
样品信息	锂含量/Lithium content	-				
Sample information	外观颜色/ Appearance	黑色/black				
	商标/ Trade mark	-				
	尺寸/ Dimensions	175mm×85mm×63mm				
包装件信息	重量/ Gross weight:	423g				
Package information	电池个数/ Battery number	2pcs				
. denage memanen	电池净重/ Battery net weight	-				
	设备名称/ Name	-				
包装件内设备信息	设备型号/ Type	-				
Equipment information	设备商标/ Trade mark	-				
鉴定日期/Inspection date	2013-10-11 ~ 2013-12-31					
报告有效期/period of validity	2013-10-11 ~ 2013-12-31					
鉴定依据	国际海运危险货物运输规则					
Inspection refer to	国际海运厄应页物运制规则 IMDG CODE(Amdt 36-12)2012Edition					
	1. 危险品识别: 锂离子电池(作					
		um ion batteries (including lithium ion polymer				
	batteries)					
	2. 本报告所述可充电锂离子电池通过联合国《关于危险品货物运输的建议书》第					
	2. 华报百州还可允电程尚 J 电池通过联百国《天 J 尼应而页初运制的建议节》第 38.3 节的相关测试要求,UN38.3 测试报告编号为 RZUN2013-1131					
	The Rechargeable Lithium-ion Battery listed in the report are of type proven					
	to meet the requirements of each test in the UN Manual of Tests and Criteria					
鉴定结论	Part III subsection 38.3, the UN38.3 test report No. is RZUN2013-1131					
Certification	3. 包装箱能够承受 1,2 米跌落测试。					
Certification	The package has passed the 1,2m drop test.					
	4. 包装符合 IMDG CODE(Amdt. 36-12、2012 原持殊规定 188 的要求,可按普					
	通货物办理。					
	Packaging complies with the special provision 188 of IMDG CODE (Amdt.					
	36-12) 2012 Edition.					
	签发日期: 2013-12-31 鉴定单位公章					
	Issue Date: (Stamp of CVC)					
	l					

批准人: Approved by:

审核人: Reviewed by:

鉴定人:



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101. 100 G102013 1131 Z					
Description and illustration					
防短路及意外启动的内部包装方式 The manner of inner packaging that can prevent short circuits and accidental operation	□塑料气泡与珍珠棉 Plastic bubble and pearl cotton r ☑单一封口塑料袋 Single sealing plastic bags t □塑料气垫 Plastic air cushion				
装置 the effective means of	□ 送路板 Circuit board □ 熔断丝 fuse □ PTC □ 二极管 Diode □ 极耳熔断 Extreme ear fuse □ 端子绝缘套 Terminal insulator set □ 其他 other				
锂电池防止反向电流的有效 装置 the effective means of preventing reverse current flow					
锂电池安全排气装置 safety venting device	⊠有 yes □无 no				
本报告所述锂电池按照《国际海运危险货物运输规则》(36-12 版)2.9.4(5)规定的质量管理体系进行制造。 Lithium cells and batteries listed in this report were manufactured under the quality management programmer as described in IMDG CODE(Amdt. 36-12)2012 版 2.9.4(5).					
备注: Remarks: 该报告中逗号用以代替小数 Throughout this report a c	数点。 comma is used as the decimal separator.				

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样品照片及标识

Photos of Samples and markings

电池/Battery (24-530001-03 7,2V 5900mAh 42,48Wh)







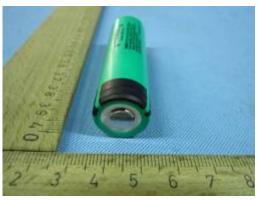


电芯/cell(NCR-18650A

3,6V 2950mAh 10,6Wh)









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样品包装照片及其标识

Photos of Packages and Label

跌落测试前/before drop test





跌落测试后/after drop test







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章节	f. No.: UN2013-1131-2 Page 章节 标准要求 测试结果				
型 P Clause	Requirements		Result	判定 Verdict	
1	1,2 米跌落测试/1,2m Drop test 测试步骤/Test procedure				
	电池包装件从 1,2 米跌落/ The package of b	rom 1,2m	-		
	映落方向/Drop orientation 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。/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. 箱状包装的跌落方向/ Drop orientation for a package which are in the shape of a box.: 第一次: 以箱底平跌 / First drop: flat on the bottom 第二次: 以箱顶平跌 / Second drop: flat on the top 第三次: 以一长侧面平跌 / Third drop: flat on the long side 第四次: 以一个角跌落 / Fifth drop: flat on the short side 第五次: 以一个角跌落 / Fifth drop: on a corner 跌落目标/Drop Target: 跌落目标须为坚硬、无弹性的水平表面且须/The target must be a non-resilient horizontal surface and must be: (a) 足够完整、厚重以固定不动/integral and massive enough to be immovable; (b) 表面平坦,无影响试验结果的局部缺陷/flat with a surface kept free from local defects capable of influencing the test results/; (c) 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/rigid enough to be non-deformable under test conditions and not liable to become damaged by the tests; (d) 具有足够大的规格以便试验包装完全跌落在表面上 /sufficiently large to ensure that the test package falls entirely upon the surface.				
	每个包件须能承受任何方向 1,2m 的跌落试	 编号/No.	p1#		
	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。 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.	Status 跌落后状态	电池无损坏; 无电池与电池接触; 无内容物从包装漏出。 No damage to batteries; No battery contact; No release of contents from the package.	Р	

注意事项

Important Notice

1. 本鉴定报告书仅对送检样品有效。

This report is valid for the tested samples only.

2. 申请人提供的样品须与实际运输货物一致。

The goods of transporting must be insure conformity with the testing samples.

3. 本鉴定报告书无检验单位公章、骑封章无效。

This report is invalid without the official stamp of CVC and Paging seal of CVC.

4. 本鉴定报告书无批准人、审核人及鉴定人签名无效。

This report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.

5. 本鉴定报告书涂改无效。

This report is invalid if altered.

6.判定栏中"N/A"表示"不适用","P"表示"通过","F"表示"不通过", "-"表示"无需判定"。

As for the Verdict, "N/A" means "not applicable", "P" means "pass", "F" means "fail" and "-" means "no need for judgement".

7. 本鉴定报告仅原件有效,复印件、传真件及电子版均无效。

The original copy of this report is the only valid version. Any other versions of this report, whatever it is in form of photocopy, fax, or electronic media, or others, are considered to be invalid.

8. 本鉴定报告书可以在网站 http://www.cvc.org.cn 上核实。

This report can be verified from the website: http://www.cvc.org.cn.

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