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No.: UN2013-0477-2

货物运输条件鉴定报告书 Report for Safe Transport of Goods

空运 by air 锂电池—

锂电池─符合相关包装规则第Ⅱ节

货物名称:

可充电锂离子电池 0404.04.73W 44.8Ab 84.06Wb

24-620101-01 7,2V 11,8Ah 84,96Wh

Name of sample:

Rechargeable Li-ion Battery Pack 24-620101-01 7,2V 11,8Ah 84,96Wh

委 托 单 位:

广州明美电子有限公司

Commissioner:

Guangzhou TWS Electronics Limited

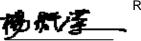


货物运输条件鉴定报告书

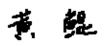
Report for Safe Transport of Goods

Report for Safe Transport of Goods							
样品名称	可充电锂离子电池						
Sample name	Rechargeable Li-ion Battery Pack						
委托单位	广州明美电子有限公司						
Commissioned by	Guangzhou TWS Electronics Limited						
 委托单位地址	广州市高新技术产业开发区科学城南云三路 39 号						
安九平位地址 Commissioner address	No.39 Nanyunsan Road, Science Park, Hi-Tech Industrial Development Zone,						
	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 Manufacturer address	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,						
	Guangzhou, P. R. China						
样品信息	型号规格/Type	24-620101-01 7,2V 11,8Ah 84,96Wh					
Sample information	外观颜色/ Appearance	黑色/Black					
Sample information	商标/ trade mark	-					
包裝件信息 Package information	尺寸/ Dimensions	180mm x 90mm x 65mm					
	重量/ Gross weight:	796g					
	电池个数/ battery Number	2pcs					
石外从上、11. 石户 白	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	2013-06-12 ~ 2013-07-10						
报告有效期/period of validity	2013-12-31						
鉴定依据	国际航空运输协会《危险品运输规则》第 54 版						
Inspection refer to	IATA Dangerous Goods Regulations 54 Edition						
·	1. 危险品识别: 锂离子电池						
	Hazards identification: L	Lithium ion batteries (including lithium ion					
	polymer batteries)						
	2. 本报告所述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. 本报台所处理离了电池通过联台国《天 J 泡应品员初运制的建议书》第 38.3 节的相关测试要求,UN38.3 测试报告编号为 RZUN2013-0477						
	The lithium ion batteries listed in the report are of type proven to meet						
	the requirements of each test in the UN Manual of Tests and Criteria Part III						
	·						
鉴定结论	subsection 38.3, the UN38.3 test report NO. is RZUN2013-0477						
Certification	3. 包装箱能够承受 1,2 米跌落测试;						
	The package has passed the 1,2m drop test						
	4. 包装满足 IATA 第 54 版 DGR 手册包装说明 965 第 H节						
	Packaging complies with the requirements of section II of Packing						
	Instructions 965 of 54th DGR Manual of IATA.						
	签发日期: 2013-07-11 鉴定单位公章						
	Issue Date: (Stamp of CVC)						
	▲ 检验专用草						
	•						

批准人: Approved by:



审核人: Reviewed by:



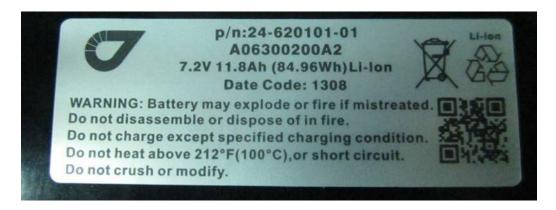
鉴定人: Tested by: Ref. No. UN2013-0477-2 Page 3 of 7 Pages

No. 0142013 0477 2	样品描述及说明 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	□电池盖帽 battery cap □泡沫材料 Foam material □吸塑盘 Plastic disc □塑料气泡与珍珠棉 Plastic bubble and pearl cotton □单一封口塑料袋 Single sealing plastic bags □塑料气垫 Plastic air cushion
装置 the effective means of	□ 送路板 Circuit board □ 熔断丝 fuse □ PTC □ 工极管 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
本报告中的样品有一种内部	数点。 comma is used as the decimal separator. 那包装方式是用热缩套将两个电池包在一起,其线路没有相连接。 together with heat shrink ,but their circuits are not connected.

样品照片及标识

Photos of Samples and markings

Battery/电池 (24-620101-01 7,2V 84,96Wh)







Cell/电芯 (Panasonic#NCR18650A 3,6V 2900mAh)





样品包装照片及其标识

Photos of Packages and Label

包装件/Packages

测试前/before test:





测试后/after test:









章节 Clause	N2013-0477-2 标准要求 Requirements		测试结果 Result	of / Page 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 batteries is dropped from 1,2m			
	results/; (c) 具有足够的刚性,在试验条件下不会变形坏/rigid enough to be non-deformable up and not liable to become damaged by the (d) 具有足够大的规格以便试验包装完/sufficiently large to ensure that the entirely upon the surface.	ation T能有一种以上的方向,须选择最易使包装 pere more than one orientation is possible rientation most likely to result in failure of sed. Drop orientation for a package which are set. First drop: flat on the bottom Second drop: flat on the long side K / Fourth drop: flat on the short side K / Fifth drop: on a corner **EPH **EPH*** **EPH*** **EPH*** **EPH*** **EPH*** **EPH** **EPH**		-
	要求/Requirements			
	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。 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.	编号/No. Status 跌落后状态	p1# 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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