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Test Report 报告编号: WSCT1501000552BS

Report No.

日期: 2015年1月15日 Y M D Date:

申请商 Applicant

: TORNADO SCIENCE GROUPS LIMITED 飓风科技集团有限公司

地址 Address

: 1-1-402, NanKai Industrial Zone, Tianjin, P.R. China

天津市南开区工业园 1-1-402

以下检测之样品是由委托方所提供及确认:

Report on the submitted sample said to be:

样品名称 Sample name

: 锂离子电池组 Lithium ion Battery Pack

型号 Model

: TDP-12V12A

供应商 Supplier

TORNADO SCIENCE GROUPS LIMITED

制造厂 Manufacturer

TORNADO SCIENCE GROUPS LIMITED

测试日期 Date(s) of test

Jun.5, 2014 to Jun.8, 2014

签发日期 Date of issue

Jan. 15, 2015

结果 Result 测试要求 Test Requested 关于危险货物运输的建议书一规章范本 ST/SG/AC.10/1/Rev.18 188 款。 Pass/合格 United nations "recommendations on the TRANSPORT OF DANGEROUS GOODS" model Regulations (18th Rev. Edition) special provisions 188.

******更多详细信息请查阅下页 FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)******

测试 Tested by:

审核 Reviewed by:

日期 Date

日期 Date

2015.1.15

工程师

批准 Approved by:

李文君 实验室主管

日期 Date

4015.1.1

王凤兵

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1. 基本信息 Basic information

样。	品名称	锂离子电池组	型号规格	TDP-12V12A				
Samp	ole name	Lithium ion Battery Pack	Туре	1DF-12V12A				
标和		12V	额定容量	12A144Wh				
Nomin	al voltage	12 V	Rated capacity					
内含印	电池数量	18/Packing	商标	ENERBYTE				
Batter	y number	18/Facking	Trade mark					
包装	件重量	30.5Kg	包装件尺寸(L*W*T)	(360*360*360)mm				
Packag	ing weight	30.5Kg	Packaging dimensions					
外	包装	瓦楞纸箱	内包装	纸盒 Paper box				
Outer	packing	Corrugated cate	Inside packing					
包装件	电池净重							
Net qu	uantity of	1.65Kg/Packing						
batteries	per package							
试验	俭项目	1.2 米跌落测试						
Tes	st item	1.2m drop test						
		被测试包装件能够承受 1.2m 跌落试验,其内装的电池没有破损,没有产生导致内装						
试	试验结论 Test conclusion	电池的直接接触的移动及内容物泄漏,测试合格。						
		The tested 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. the test passed.							

日期: 2015年1月15日

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2. 1.2 米跌落测试 1.2m drop test

环境条件 Environmental conditions: 温度 Temperature (20±5) ℃, 相对湿度 R. H. (40-70) % 测试设备 Name of Equipment: 跌落试验机 drop test machine 型号 Model: WSCTBS-012

序号 No.	试验项目 Test item	试验依据	结果/Result	备注 remark
X	1.2 米跌落测试	关于危险货物运输的建议书—规章范本 ST/SG/AC.10/1/Rev.18 188 款 United nations "recommendations on the TRANSPORT OF	合格/Pass	X
SET	1.2m drop test	DANGEROUS GOODS" model Regulations	57	1445
		(17th Rev. Edition) special provisions 188.		

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跌落方向 Drop position:

跌落	方向	上面	前面	侧面	棱	角
Drop po	osition	Top	Front	Side	Edge	Angle
包装 [×] Stat		合格/Pass	合格/Pass	合格/Pass	合格/Pass	合格/Pass

测试要求描述 Testing requirements description:

1) 每个电芯或电池的包装件或者完全包装件必须能承受 1.2 米跌落测试,每个包装件进行 5 次不同方向的跌落 测试,而不造成包含在其中的电池或电芯的损坏,不造成使电池与电池(电芯与电芯)接触的内含物的移动 和内含物的释出。

The package of batteries is dropped from 1.2m 5 times per package. 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 content so as to allow battery to battery(cell to cell) contact and without release of contents.

结论 Conclusion:

包装件通过 1.2m 跌落试验 The package had passed 1.2m drop test.

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样品图片 Photo of the sample

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电池 Battery:





包装件 Package:





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