



Pony Testing International Group

报告编号(Report ID): I05131010511D-1



空运 By Air

货物运输测试报告

Cargo Transportation Test Report

危险品

Dangerous Goods

样品名称及型号 (Sample Description & Model)	锂离子电池组 24V 15AH Lithium-ion pack battery 24V 15AH
委托单位 (Applicant)	Eurogreen International Inc. (SupaScoota. LAWIA) Eurogreen International Inc. (SupaScoota. LAWIA)
生产单位 (Manufacturer)	山东精工电子科技有限公司 Shandong Goldencell Electronics Technology Co.,Ltd



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样品名称及型号 Sample Description & Model	锂离子电池组/24V 15AH Lithium-ion pack battery /24V 15AH		
委托单位 Applicant	Eurogreen International Inc. (SupaScoota. LA WIA) Eurogreen International Inc. (SupaScoota. LA WIA)		
公司地址 Address	No.48, Lane 220, Sec. 1, Fu-Zun Rd., Yuan-Lin Township, Chang-Hua County, 51055, Taiwan No.48, Lane 220, Sec. 1, Fu-Zun Rd., Yuan-Lin Township, Chang-Hua County, 51055, Taiwan		
样品外观及性状 Appearance & Properties	蓝色电池, 标称电压: 25.6V, 额定电容量: 15Ah, 电能: 384 瓦特时。电池需配有安全排气或防爆装置, 防短路、防意外启动或回流。 Blue battery. Nominal Voltage:25.6V, Rated capacity: 15Ah, Electric energy: 384Wh. Each cell or battery must incorporate a safety venting device or be designed to preclude a violent rupture. Also prevents from short circuits, accidental activation or reflux.		
货物主要危险性 Main Hazards	化学物质包含在密封电池外壳内。当电池机械破损时会产生危害。遇火会引起爆炸。 These chemicals are contained in a sealed can. Risk of exposure occurs only if the battery is mechanically or electrically abused. If in fire, battery may cause to explode.		
接样日期 Accepting Date	2014 年 05 月 13 日	签发日期 Issue Date	2014 年 06 月 18 日

测试结果(Conclusion)

1、危险性识别(Hazard identification):

- ① 电能=384 瓦特时, 包装件毛重=4.65 公斤, 内含电池(电芯)数量=1 个。
- ② 经测试证明其符合《联合国危险物品运输试验和标准手册》第 3 部分 38.3 款的所有要求。
- ③ 电池被保护以防止短路。电池必须要放在完全封闭的内包装中, 然后再放在坚固的外包装内。需满足 DGR5.0.2 章节的包装要求。
- ④ 任一包装件都必须粘贴有第 9 类危险性标签和仅限货机标签。
- ⑤ 禁止运输从安全角度有缺陷的锂电池。
- ⑥ 禁止运输废旧锂电池或用于再循环处理的锂电池。
- ⑦ 电池要按照质量管理程序 3.9.2.6 中的描述来制造。
- ⑧ 包含电芯或一系列并联电芯的电池, 必须配有有效的防止危险的电流反流的方法(如二极管, 保险丝)。

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- ① Electric energy = 384Wh, Qty = 4.65 kg, contain 1 pcs batteries (cells).
- ② Test proves that this type of battery pass the UN38.3 test.
- ③ Cells and batteries are protected so as to prevent short circuits. Cells and batteries must be packed in inner packagings that completely enclose the cell or battery then placed in a strong outer packing. The General Packing Requirements of 5.0.2 must be met.
- ④ Each packages must be labelled with the Class 9 hazard label and the CARGO AIRCRAFT ONLY label.
- ⑤ Lithium batteries as being defective for safety reasons are forbidden for transport.
- ⑥ Waste lithium batteries and lithium batteries being shipped for recycling or disposal are prohibited from air transport.
- ⑦ Cell and batteries must be manufactured under a quality management program as described in 3.9.2.6.
- ⑧ Each battery containing cells or series of cells connected in parallel must be equipped with an effective means, as necessary, to prevent dangerous reverse current flow(e.g. diodes, fuses).

2、建议比照办理的类型和编号(Suggestion according to IATA):

运输专用名称/Proper Shipping Name: Lithium ion batteries

UN 编号/UN No.: UN3480

主要危险性/Class or Div.: 9

3、包装要求(Packaging requirements):

包装等级 PG	包装细则 Pkg Inst	特殊规定 S.P.	最大重量/包装箱
			Max Qty/Pkg
II	965	A88, A99, A154, A164, A183	货机
			Cargo
			35kg

参照 DGR 包装说明 965 第 IA 部分。

The goods are packaged according to the Section IA of PI 965.



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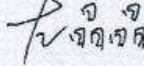
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参考方法 Reference method	1) 联合国危险货物运输的建议书规章范本(18 th); 2) IATA 《危险物品规则》 (55 th); 3) 该物质的 UN.38.3 报告 (I05131010821D) 1) Recommendations on the TRANSPORT of DANGEROUS Goods Model Regulations(18 th); 2) IATA <i>Dangerous Goods Regulation</i> (55 th); 3) The UN38.3 test report (I05131010821D)
备注 Note	适用于空运, 仅限货机运输。 Be applicable to transport by air, Cargo Aircraft Only.

主检人: 
(Prepared by)

审核人: 
(Checked by)

批准人: 
(Approved by)

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试验项目和名称 Name Of Test Items	试验结果 Test Result
高度模拟 Altitude simulation (38.3 test 1)	无渗漏、无排气、无解体、无破裂和无起火, 并且每个试验电池或电池组在试验后的开路电压不小于其在进行这一试验前电压的 90%。试验符合标准要求。 No mass loss, no leakage, no venting, no disassembly, no rupture and no fire. The open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure. The test result conforms to the requirement of standard.
温度试验 Thermal test (38.3 test 2)	无渗漏、无排气、无解体、无破裂和无起火, 并且每个试验电池或电池组在试验后的开路电压不小于其在进行这一试验前电压的 90%。试验符合标准要求。 No mass loss, no leakage, no venting, no disassembly, no rupture and no fire. The open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure. The test result conforms to the requirement of standard.
振动 Vibration (38.3 test 3)	无渗漏、无排气、无解体、无破裂和无起火, 并且每个试验电池或电池组在试验后的开路电压不小于其在进行这一试验前电压的 90%。试验符合标准要求。 No mass loss, no leakage, no venting, no disassembly, no rupture and no fire. The open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure. The test result conforms to the requirement of standard.
冲击 Shock (38.3 test 4)	无渗漏、无排气、无解体、无破裂和无起火, 并且每个试验电池或电池组在试验后的开路电压不小于其在进行这一试验前电压的 90%。试验符合标准要求。 No mass loss, no leakage, no venting, no disassembly, no rupture and no fire. The open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure. The test result conforms to the requirement of standard.
外短路 External short circuit (38.3 test 5)	外壳温度不超过 170°C, 并且在试验过程中及试验后 6 小时内无解体, 无破裂, 无起火。试验符合标准要求。 The external temperature does not exceed 170 °C and there is no disassembly, no rupture and no fire during the test and within six hours after the test. The test result conforms to the requirement of standard.
撞击 Impact (38.3 test 6)	外壳温度不超过 170°C, 并且在试验过程中及试验后 6 小时内无解体, 无起火。试验符合标准要求。 The external temperature does not exceed 170 °C and there is no disassembly and no fire during the test and within six hours after the test. The test result conforms to the requirement of standard.
过度充电 Overcharge (38.3 test 7)	在试验过程中和试验后 7 天内无解体, 无起火。试验符合标准要求。 There is no disassembly and no fire during the test and within seven days after the test. The test result conforms to the requirement of standard.
强制放电 Forced discharge (38.3 test 8)	在试验过程中和试验后 7 天内无解体, 无起火。试验符合标准要求。 There is no disassembly and no fire during the test and within seven days after the test. The test result conforms to the requirement of standard.
1.2m 跌落测试	—

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项目 Item	测试结果 Conclusion
爆炸危险性 Explosive Danger	资料和成份结构显示不属于爆炸品。 The data and components structure indicate the article does not belong to explosive.
易燃危险性 Flammable Danger	不属于易燃固体。 The sample does NOT belong to flammable solid.
氧化危险性 Oxidizing Danger	不能加速纤维素的燃烧, 不属于氧化性物质。 The screening tests indicate the article does not belonged to oxidizing solid because it can not make fibrin accelerate burning rate.
毒害危险性 Toxic Danger	资料显示口服毒性小, 不属于毒性物质。 The data indicates the oral toxicity is low, so it does not belong to toxic article.
放射危险性 Radioactive Danger	资料显示无放射性危害。 The data indicates the article has no radioactivity.
腐蚀危险性 Corrosive Danger	对碳钢、铝金属无腐蚀性, 不属于腐蚀性物质。 The article can not corrupt steel, aluminum, so it does NOT belong to corrosive.
其它危险性 Other Danger	属于杂项危险物质。 It belongs Miscellaneous Dangerous Goods.



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