



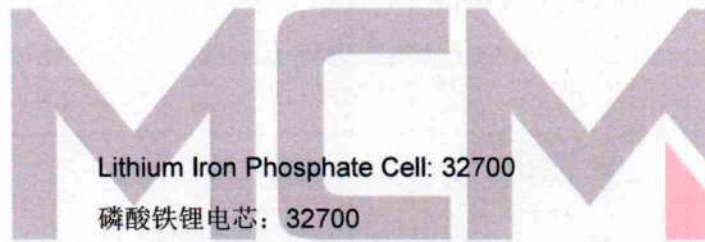
中国认可
国际互认
检验
INSPECTION
CNAS IB0551



Certification No.:
证书编号: WTT20201228M504

Certificate for Safe Transport of Goods by Sea 货物海运条件鉴定书

Non-restricted Goods/非限制性货物



Name of Goods: Lithium Iron Phosphate Cell: 32700
货物名称: 磷酸铁锂电芯: 32700

Applicant: MASTER BATTERY, S.L.
委托单位: 母池

Issue Date: 2020.12.31
签发日期:

Inspected by/鉴定

Zidong Lin

Inspection Engineer

Reviewed by/审核

Chen Huang

Audit Engineer

Approved by/批准

Houbin Xu

Approval Engineer

广州邦禾检测技术有限公司

Guangzhou MCM Certification & Testing Co., Ltd.



Inspection Conclusion 检验结论	
Name of Goods: 货物名称:	Lithium Iron Phosphate Cell: 32700 磷酸铁锂电芯: 32700
Battery Information 电池信息:	Battery Type: Lithium Ion Battery 电池类型: 锂离子电池
	Type/ Mode: 32700 3.2V 6000mAh 19.2Wh 型号规格:
Package Information: 包装信息:	Package's Mass: 8.00kg 包装件重量:
	Batteries' Mass: 7.15kg 电池净重:
Equipment's Qty.: / 设备数量:	Batteries' Qty.: 50pcs 电池数量:
Applicant: 委托单位:	MASTER BATTERY, S.L. 母池
Applicant Address: 申请单位地址:	2, Dehesa Vieja Street, La Dehesa Industrial Park, 28052, Madrid, Spain 2, Dehesa Vieja Street, La Dehesa Industrial Park, 28052, 德里, 西班牙
Factory: 生产单位:	MASTER BATTERY, S.L. 母池
Factory Address: 生产单位地址:	2, Dehesa Vieja Street, La Dehesa Industrial Park, 28052, Madrid, Spain 2, Dehesa Vieja Street, La Dehesa Industrial Park, 28052, 德里, 西班牙
Inspection Standard: 检验标准:	IMO International Maritime Dangerous Goods Code (39-18 Edition) 国际海事组织《国际海运危险货物规则》(39-18 版)
Receipt Date: 接受日期:	2020.12.30
Completion Date: 完成日期:	2020.12.30
Effective Date: 有效日期:	2021.01.01 – 2021.12.31
Inspection Conclusion: 检验结论:	<p>1. Hazards identification/危险品识别: None/无</p> <p>2. Operational mode according to IMO IMDG Code/按 IMO IMDG 操作方式: According to special provision 188, the goods are not restricted to IMO IMDG Code. 根据特殊规定 188, 该货物不受 IMO IMDG Code 限制</p> <p>3. Packing requirements/包装要求: The goods are packaged according to the packaging requirement of ordinary goods. 可按照普通货物包装要求包装</p> <p style="text-align: right;">Seal: 检验专用章 检验专用章:</p>
Comment: 备注:	/

IMO International Maritime Dangerous Goods Code (39-18 Edition) 国际海事组织《国际海运危险货物规则》(39-18 版)			
Clause	Requirements	Result	Verdict

Special Provision 188 特殊规定 188			P
188-1)	For a lithium metal or lithium alloy cell, the lithium content is not more than 1g; 对于锂金属或锂合金电芯, 锂含量不可以超过 1g;	/	N/A
	For a lithium ion cell, the watt-hour rating is not more than 20Wh; 对于锂离子电芯, 瓦时数不可以超过 20Wh。	19.2Wh	P
188-2)	For a lithium metal or lithium alloy battery, the aggregate lithium content is not more than 2g; 对于锂金属或锂合金电池, 锂含量不可以超过 2g;	/	N/A
	For a lithium ion batteries, the watt-hour rating is not more than 100Wh. Lithium ion batteries subject to this provision shall be marked with the watt-hour rating on the outside case, except those manufactured before 1 January 2009; 对于锂离子电池, 瓦时数不可以超过 100Wh。除 2009 年 1 月 1 日前生产的电池以外, 所有锂离子电池的外壳必须标上瓦时数。	/	N/A
188-3)	Each cell or battery meets the provision as below; 每个电芯或电池满足以下要求。	Met the provision 满足要求	P
	—2.9.4.1 关于锂电池的运输测试	Report No./报告编号: WTT20180816U01	P
	—2.9.4.5 关于生产的质量控制	Met the provision 满足要求	P
	—2.9.4.6 关于由锂原电芯和可充锂电芯组成的锂电池的要求	Not applicable 不适用	N/A
	—2.9.4.7 关于锂电池的测试概要	Report No./报告编号: WTT20191206UG01	P
188-4)	Cells and batteries, except when installed in equipment, shall be packed in inner packagings that completely enclose the cell and battery. Cell and batteries shall be protected so as to prevent short circuits. This includes protection against contact with electrically conductive material within the same packaging that could lead to a short circuit. 除安装在设备里的电芯和电池应有内包装将电芯或电池隔开, 每个电芯和电池应防短路保护, 这包括保护与导电材料接触在同一包装, 可能会导致电路短路。 The inner packagings shall be packed in strong outer packagings which conform to the provisions of 4.1.1.1, 4.1.1.2, and 4.1.1.5. 内包装材料应包装在坚固的外包装(满足 4.1.1.1, 4.1.1.2 和 4.1.1.5 条款的)。	Equivalent protection existed 已有相当防护措施	P

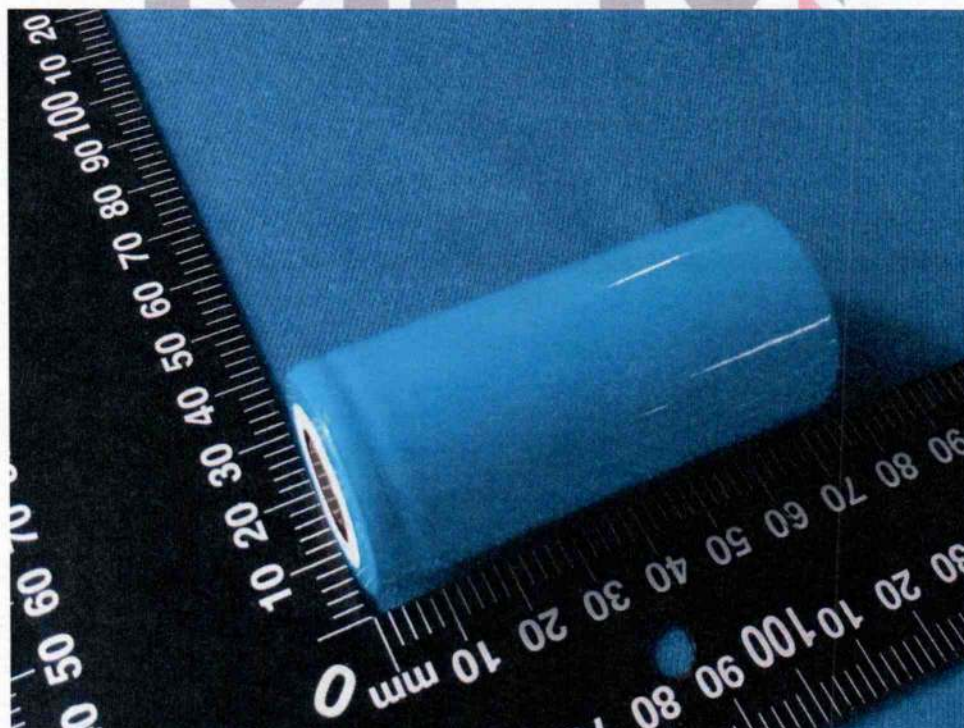
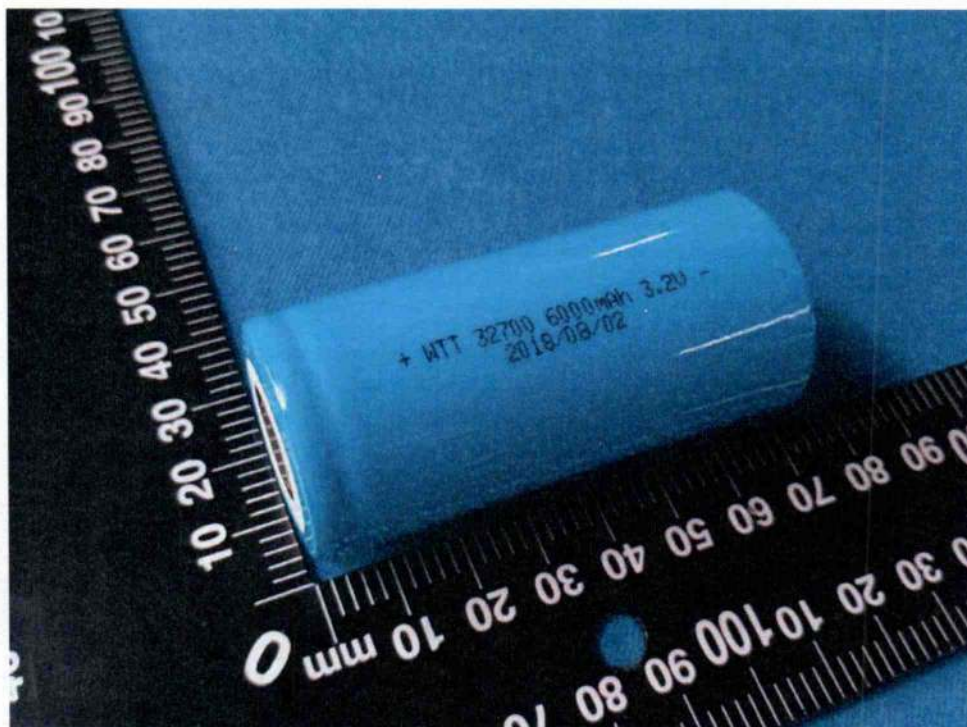
IMO International Maritime Dangerous Goods Code (39-18 Edition) 国际海事组织《国际海运危险货物规则》(39-18 版)			
Clause	Requirements	Result	Verdict

188-5)	<p>Cells and batteries when installed in equipment shall be protected from damage and short circuit, and the equipment shall be equipped with an effective means of preventing accidental activation. 电芯和电池安装设备里应避免损坏和短路电池, 以及设备应配备防止意外启动的有效手段。</p> <p>This requirement does not apply to devices which are intentionally active in transport (radio frequency identification (RFID) transmitters, watches, sensors, etc.) and which are not capable of generating a dangerous evolution of heat. 本要求不适用于这是有意的主动运输设备(无线射频识别(RFID)发射机, 手表, 传感器等), 这是不能够产生一个危险的热演化。</p> <p>When batteries are installed in equipment, the equipment shall be packed in strong outer packagings constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the battery is afforded equivalent protection by the equipment in which it is contained; 当电池安装设备, 该设备应包装在坚固的外包装由具有足够强度和相对包装的容量和用途设计合适的材料, 除非电池提供同等保护的设备。</p>	/	N/A
188-6)	<p>Each package shall be marked with the appropriate lithium battery mark, as illustrated in 5.2.1.10; 每个包装件应有锂电池操作标签(如 5.2.1.10 所示)。</p>	<p>See the package photo of page 6 见第 6 页的包装照片</p>	P
188-7)	<p>Except when batteries are installed in equipment, each package shall be 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 (or cell to cell) contact and without release of contents; 除电池安装在设备里外, 每个包装件都需要经受任意方向的 1.2m 跌落测试(在不损害电池或电池所包含的任何方向, 电芯或电池间不能有接触, 或不存在内容物的释放)。</p>	<p>Report No./报告编号: WTT20180816D01</p>	P
188-8)	<p>Except when batteries are installed in or package with equipment, packages shall not exceed 30kg gross mass. 除电池安装在设备里或与设备一起包装, 包装件不能超过 30kg。</p>	<p>The package weight 包装件重量: 8.00kg</p>	P
<p>As used in this special provision "equipment" means apparatus for which the lithium cells and batteries will provide electrical power for its operation. 本特殊条款所称"设备", 是指锂电芯和电池为其运行提供电能的装置。</p>			
<p>A single cell battery as defined in Part III, sub-section 38.3.2.3 of the Manual of Tests and Criteria is considered a "cell" and shall be transported according to the requirements for "cells" for the purpose of this special provision. 《试验和标准手册》第三部分第 38.3.2.3 小节中定义的单电芯电池被视为"电芯", 应按照本特别规定中对"电池"的要求运输。</p>			

Photos of the Battery

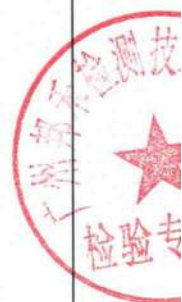
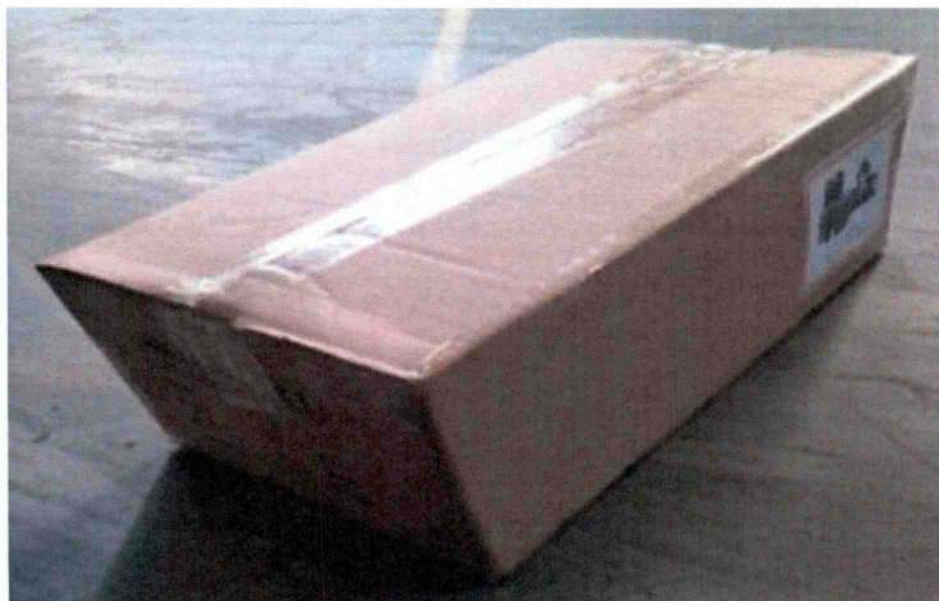
电池照片

Battery (32700 3.2V 6000mAh 19.2Wh)



Photos of the Packages and Markings

样品包装及其标识照片



- End of Report -

Important Note 注意事项

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本检验报告涂改无效。
5. Objection to this inspection report must be submitted to Guangzhou MCM Certification & Testing Co., Ltd. within 15 days after the publication of the report.
若对检验报告有异议，必须在报告发布之日起十五天内向广州邦禾检测技术有限公司提出。
6. This report is only responsible for the received samples.
本报告仅对来样负责。
7. The inspected items in this report are not in the scope of CMA. They do not have impartial function.
本报告检验项目不在 CMA 范围内，不具有公正性的作用。
8. As for the inspection results, "N/A" means "Not applicable", "P" means "Pass" and "F" means "Fail".
本检验结果中"N/A"表示"不适用"，"P"表示"通过"，"F"表示"不通过"。

Inspection Lab: Guangzhou MCM Certification & Testing Co., Ltd.
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