Lithium Battery Safety Document – Section II or Section IB Shipments

AWB or Tracking Number: SEE BILL OF LADING (BOL) FOR TRACKING INFORMATION

This document may be used to comply with the additional documentation requirements of the IATA DGR.

WARNING: LITHIUM BATTERIES THAT HAVE BEEN RECALLED BY THE MANUFACTURER FOR SAFETY REASONS **MUST NOT** BE SHIPPED BY AIR.

Terminology:

- Cell – *electrochemical unit, consisting of an anode and a cathode, capable of generating electrical current*
- Battery – *assembly of cells*
- Lithium ion cells/batteries – *generally rechargeable – includes lithium polymer cells/batteries*
- Lithium metal cells/batteries – *non-rechargeable*

This shipment contains lithium cells or batteries in the following configuration (check applicable description):

Lithium Ion - Maximum of • **20 Watt-hours per cell or** • **100 Watt-hours per battery**	**Lithium Metal – Maximum of** • **1 gram of lithium metal per cell or** • **2 grams of lithium metal per battery**
☐ **Cells or batteries only (Lithium ion batteries in compliance with Section II of PI 965, UN 3480) -** *Cells or batteries in a package, without electronic equipment:* **Package Limit:** ≤2.7 Wh = 2.5 kg; or >2.7 Wh but ≤ 20 Wh = 8 cells; or >2.7 Wh but ≤ 100 Wh = 2 batteries	☐ **Cells or batteries only (Lithium metal batteries in compliance with Section II of PI 968, UN 3090) -** *Cells or batteries in a package, without electronic equipment.* **Package Limit:** ≤0.3 g = 2.5 kg; or >0.3 g but ≤ 1 g = 8 cells; or >0.3 g but ≤ 2g = 2 batteries
☐ **Cells or batteries only (Lithium ion batteries in compliance with Section IB of PI 965, UN 3480) -** *Cells or batteries in a package, without electronic equipment* *Packages must be limited to 10 kg net weight of batteries.*	☐ **Cells or batteries only (Lithium metal batteries in compliance with Section IB of PI 968, UN 3090) -** *Cells or batteries in a package, without electronic equipment* *Packages must be limited to 2.5 kg net weight of batteries.***.**
☐ **Packed with equipment (Lithium ion batteries in compliance with Section II of PI 966, UN 3481) -** *Cells or batteries contained in a package with associated electronic equipment.* *Packages must be limited to 5 kg net weight of batteries.*	☐ **Packed with equipment (Lithium metal batteries in compliance with Section II of PI 969, UN 3091) -** *Cells or batteries contained in a package with associated battery-powered equipment – with the batteries not installed in the equipment.* *Packages must be limited to 5 kg net weight of batteries.*
☒ **Contained in equipment (Lithium ion batteries in compliance with Section II of PI 967, UN 3481) -** *Cells or batteries installed in equipment.* *Packages must be limited to 5 kg net weight of batteries.*	☐ **Contained in equipment (Lithium metal batteries in compliance with Section II of PI 970, UN 3091) -** *Cells or batteries installed in equipment.* *Packages must be limited to 5 kg net weight of batteries.*

- This package must be handled with care. A flammability hazard exists if the package is damaged.
- If this package is damaged in transportation, it must not be loaded until the condition of the contents can be verified. The batteries contained in this package must be inspected for damage and may only be repacked if they are intact and protected against short circuits.
- For more information about the batteries contained in this package, call the following telephone number:

CHEMTREC for Lithium Battery Information Number:
For EMERGENCY information call 800-424-9300 or outside the United States call 703-527-3887

210-06676+A1

File Number: SDS_5824.001_R01
Date: 2020-Dec-8

SAFETY DATA SHEET

Section 1 -- Product and Company Identification

PRODUCT IDENTIFICATION

Product Name: Rechargeable Lithium Ion Battery

Product Model No.: 271-00045

Inventus Part No.: 03-55824-001

COMPANY NAME:

Inventus Power, Inc.

1200 Internationale Parkway, Woodridge IL 60517

Emergency telephone number:

Inside the US: 1-800-535-5053

Outside the US: 001-352-323-3500

MANUFACTURING SITE:

Name: ICC Electronics (Dongguan) Ltd.

Address1: No.23, Shang Yuan Road, QingXi Town, Dongguan City, Guangdong Province, China
Telephone number: +86 769 87731085
Emergency telephone number: +86 769 87731085

Section 2 -- Composition / Information on Ingredients

Battery Product Matrix

Inventus Power P/N	Customer P/N	Pack Configuration	Pack Nominal Voltage V	Pack Nominal Capacity (Ah)	Pack Energy (Wh)
03-55824-001	271-00045	2S1P	7.2	1.8	12.96

Chemical Composition:

Component	Material	Formula	CAS Number	Percentage range (wt %)
Positive Electrode	Lithium Nickel Cobalt manganese Oxide	LiNiMnCoO2	182442-95-1	25~33%
Negative Electrode	Graphite	C	7782-42-5	15~25%
Electrolyte	Polyvinylidine Fluoride	C2H2F2	24937-79-9	0.5~1%
	Lithium hexafluorophosphate	LiPF6	21324-40-3	15-27%
Outer case	Aluminium	Al	7429-90-5	5%
	Cupper	Cu	7440-50-8	5%
	Iron	Fe	7439-89-6	5%

Section 3 -- Hazards Identification

Under normal usage, there is no contact with electrolyte and no hazard exists.
If exposed to high temperature or fire, cell may leak electrolyte and in extreme cases explode.
The vented gas may contain among others Hydrogen Fluoride.

Section 4 -- First Aid

Under normal operating condition, contents of the cells are in sealed (polymer pouch/metal can or cylinder) condition and pose no threat to the user.
Exposure to the cell internal content happens under abusive conditions.

Inhalation: Contents of open battery may cause respiratory irritation. Move to fresh air immediately and seek medical attention.
Skin: Contents of open battery may cause skin irritation. Wash skin with copious amount of soap and water.
Eye: Contents of open battery may cause eye irritation. Flush eyes immediately with water for at least 15 minutes and seek medical attention.
Ingestion: Seek medical attention immediately. Induce vomiting.

Section 5 -- Fire Fighting

In case of Fire use CO2 or CLASS D fire extinguisher
In case battery burns with other combustible, use corresponding fire extinguisher. Corrosive fumes may be present during fire. Use protective equipment (gloves, breathing apparatus, goggles etc.)
Gases from the burning fire will include Hydrogen Fluoride, Carbon oxides, Hydrocarbons among others.

Section 6 -- Accidental Release

Battery material is enclosed in either metal casing or in laminate and does not release easily under normal usage. Under abuse condition such as puncture, high heat exposure, electrical abuse electrolyte containing vinyl chloride salt in organic solvent may leak out. See section 4 for first aid measure. Seek medical attention.

Section 7 -- Instructions on Safe Handing and Use

Storage: Store within the recommended temperature limit of the battery (read instruction manual for specific limits). Do not expose to high temperature (60°C/140°F). Avoid short circuit of the battery. Short circuit of the battery may cause release of gas and may pose burn hazard.
Handling: Do not disassemble, crush or otherwise abuse the battery. Do not open the battery.
Charge: Charge only with dedicated/specific chargers designed for this battery
Discharge: Discharge within the temperature limits of the battery detailed in the specification.
Disposal: Dispose/Recycle according to the applicable municipal, state and federal regulations. Do not dispose in household or commercial waste bin.
Caution: This battery when abused may pose fire, explosion and severe burn hazard. Handle with caution.

Section 8 -- Exposure Control and Special Protection Information

・Control parameters

Common chemical name / General name	ACGIH (2009)	
	TLV-TWA	BEI
Lithium transition metal oxidate	0.02mg/m^3 (as cobalt) * 0.2mg/m^3 (as manganese) * 0.2 mg/m^3 (as nickel) *	-
Aluminum	10mg/m^3 (metal coarse particulate) 5mg/m^3 (inflammable powder) 5mg/m^3 (weld fume)	-
Carbon (Natural graphite) (Artificial graphite)	2mg/m^3 (inhalant coarse particulate)	-
Copper	0.2mg/m^3 (fume) 1.0mg/m^3 (a coarse particulate, Mist)	-
Organic electrolyte	-	-

ACGIH: American Conference of Governmental Industrial Hygienists, Inc.
TLV-TWA: Threshold Limit Value-Time Weighted Average concentration
BEI: Biological Exposure Indices

Eye Protection, gloves, ventilation, are not needed under normal usage
Use safety goggles, acid resistant safety gloves, air mask if exposed to internal content of the cell/battery.

Section 9 -- Physical and Chemical Properties

Appearance: Solid
Form Factor: Mostly cylindrical
Odor: N/A
PH: N/A
Flash Point: N/A
Density: N/A
Solubility: Insoluble in Water

Section 10 -- Stability and Reactivity

Not reactive under normal condition of usage.
Note safe handling procedure.
Avoid high temperature and mechanical abuse.

Read label and manufacturer instruction before usage.

Section 11 -- Toxicological Effect

Acute Toxicity:
Not known for Lithium Cobaltate, Aluminum, and Graphite.
Copper causes gastrointestinal disturbance in 60-100mg sized coarse particulate. TDLo-Rabbit 375mg/kg
Organic electrolyte LD50, oral - -Rat 2000mg/kg or more
Local Effects:
Not known for Lithium Cobaltate, Graphite and Organic Electrolyte.
Aluminum has no known local effects.
Copper in coarse particulate is eye irritant
No known carcinogen in this product.

Section 12 -- Ecological Information

Battery is not biodegradable. Do not dispose in landfill. Please follow local regulations regarding recycle and disposal.

Section 13 -- Disposal Information

Dispose/Recycle according to the applicable municipal, state and federal regulations. Do not dispose in household or commercial waste bin.

Section 14 -- Transportation Information

Proper Shipping Name: Lithium Ion Batteries.
The UN number for the battery pack is UN3480, and it also can be UN3481 when the battery pack contained in the equipment or packed with the equipment.
The battery meets the requirements of the test in the United Nations (UN) Manual of Tests and Criteria, Part III, sub-section 38.3
DOT: Refer to Attachment ERG 2020 guide 147 (Lithium Ion battery Guide)
IMDG:Refer to IMDG/Ocean Transport ENS F-A, S-I
IATA: Refer to IATA-ICAO/Air Transport ERG CODE 12FZ
When large amount of batteries is transported by ship, vehicle and railroad, avoid high temperature and dew condensation.
Avoid transportation which may cause damage of package.

Section 15 -- Regulatory Information

The transport of rechargeable lithium-ion batteries is regulated by various bodies, (IATA, IMO, US-DOT)
That follow the United Nations “Recommendations on the Transport of Dangerous Goods.
Regulations specifically applicable to the product:
ICAO 2021/2022 Edition of ICAO Technical Instructions for the Safety Transport of Dangerous Goods by Air
IMO IMDG Amendment 39-18 2018 Edition. And the battery pack complies with the special provision 188 of the IMDG CODE.
IATA 62nd Edition (2021) of the IATA Dangerous Goods Regulations (DGR)
US Department of Transportation DOT (49 CFR 100-185), (USA)
OSHA hazard communication standard (29 CFR 1910.1200)

Hazardous V Non-Hazardous

This battery meets the requirements of Packing Instructions 965, section II or section IB of the IATA regulation.

Section 16 -- Other Information

The information contained in this Safety data sheet is based on the present state of knowledge and current legislation.
This safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

新普科技股份有限公司
新世電子(常熟)有限公司
新普科技(重慶)有限公司
華普電子(常熟)有限公司
Simplo Technology Co., Ltd.
Simplo Technology(Changshu)Inc.
Simplo Technology(Chongqing)Inc.
Huapu Technology(Changshu)Inc.

MATERIAL SAFETY DATA SHEET

Issued/Revised date : January 01 2021
Document No. : NE-210101001

1. Product and Company Identification

Product Identification :
Lithium-Ion Rechargeable Battery Pack
Model Name: Razor-M BBU (Razor-M)
Customer P/N: 271-00076
Simplo P/N: A0XQ2003F / A0XQ2003FB
Rating : 10.15Wh

Manufacturer :
SIMPLO TECHNOLOGY CO., LTD.
No. 471, Sec. 2, Bade Rd., Hu Kou Township, Hsinchu County, 30348, Taiwan (R.O.C)
Tel : +886-3-5695920 Fax : +886-3-5695931

SIMPLO TECHNOLOGY(CHANGSHU)INC..
No.888 Dong Nan Avenue, Chang Shu, Jiang Su Province , China
Tel :+86-0512-52302255 Fax :+86- 0512-52302277

SIMPLO TECHNOLOGY(CHONGQING) INC
NO.2 Zongbao Avenue, Shapingba District,Chongqing,China
Tel :023-61718899 Fax : 023-61710488

HUAPU TECHNOLOGY(CHANGSHU)INC.
No.888 Dong Nan Avenue, Chang Shu, Jiang Su Province , China
Tel :+86-0512-52302255 Fax :+86- 0512-52302277

2. Hazards Identification

The product is not classified for GHS. The batteries are defined as "articles" they are exempt from the requirements of the Hazard Communication Standard.
Primary routes of entry : Skin contact, Skin absorption; Eye contact, Inhalation and ingestion: No
Symptoms of exposure : Skin contact, No effect under routine handling and use.
Skin absorption : No effect under routine handling and use.
Eye contact : No effect under routine handling and use.
Inhalation : No effect under routine handling and use.
Reported as carcinogen : Not applicable
According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) this product is not classified as hazardous。

3. Composition / Identification on Ingredients

Substance : Lithium Ion Battery
Composition :
CAS Number: Not specified (3-1 and 3-2)

3-1. Cases: Plastic Material Not dangerous

210-06835+A0

3-2. Printed Circuit Board Assembly Not dangerous

3-3. Lithium Ion Cell :

Hazardous Ingredients	%	CAS Number
Cobalt oxide	< 30 %	1307-96-6
Manganese dioxide	< 30 %	1313-13-9
Nickel oxide	< 30 %	1313-99-1
Carbon	< 30 %	7440-44-0
Electrolyte (*)	< 20 %	616-38-6
Polyvinylidene fluoride (PVdF)	< 10 %	24937-79-9
Aluminium foil	2 - 10 %	7429-90-5
Copper foil	2 - 10 %	7440-50-8
Aluminiumand inert materials	5 - 10 %	7429-90-5
Hazardous Ingredients	%	CAS Number

4. First Aid Measures

Batteries do not present a health hazard under normal use and handling. First-aid measures in the event of exposure to internal cell contents are:

Inhalation : Remove to fresh air immediately. If breathing is difficult, seek emergency medical attention.

Skin contact : May cause skin irritation , Remove contaminated clothes and shoes immediately. Wash extraneous matter or contact region with soap and plenty of water immediately.

Eye contact : May cause eye irritation , Do not rub one's eyes. Immediately flush eyes with water continuously for at least 15 minutes. Seek medical attention immediately.

Ingestion : Ingestion of battery chemicals can be harmful, Make the victim vomit. When it is impossible or the feeling is not well after vomiting, seek medical attention.

5. Fire Fighting Measures

Extinguishing Media : Use suitable extinguishing media.

Firefighting Equipment : Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

6. Accidental Release Measures

On Land : Place material into suitable containers and call local fire/police department.

In Water : If possible, Remove from water and call local fire/police department.

7. Handling and Storage

Handling :

Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided. However, accidental short-circuiting for a few seconds will not seriously affect the battery. Prolonged short circuits will cause the battery to rapidly lose energy, could generate enough heat to burn skin. Sources of short circuits include jumbled batteries in bulk containers, coins, metal jewelry, metal covered tables, or metal belts used for assembly of batteries in devices. To minimize risk of short-circuiting, the protective case supplied with the battery should be used to cover the terminals when transporting or storing the battery. Do not disassemble or deform the battery. Should an individual cell within a battery become ruptured, do not allow contact with water.

Storage :

The lithium ion battery should be between 25% and 75% of full charge when stored for a long period of time. Store in a cool, dry, well ventilated area. And temperature above 100 Celsius degree can result in loss of battery performance, leakage, or rust. Do not expose the battery to open flames..

8. Exposure Controls / Personal Protection

Engineering Controls : Keep away from heat and open flame. Store in a cool dry place
Personal Protection :
Respirator : Not required during normal operations. SCBA required in the event of a fire.
Eye/Face Protection : Not required beyond safety practices of employer.
Gloves : Not required for handling of battery.
Foot Protection : Steel toed shoes recommended for large container handling.

9. Physical and Chemical Properties

State	Solid
Odor	N/A
PH	N/A
Vapor pressure	N/A
Vapor density	N/A
Boiling point	N/A
Solubility in water	Insoluble
Specific gravity	N/A
Density	N/A

10. Stability and Reactivity

Reactivity : None during normal handling and use
Incompatibilities : None during normal handling and use
Hazardous Decomposition Products : None during normal handling and use
Conditions to Avoid : The battery pack and enclosed cells should not be opened, disassembled, crushed, burned, or exposed to high temperatures.

11. Toxicological Information

This product does not elicit toxicological properties during routine handling and use.

12. Ecological Information

Lithium ion battery pack can be disposable in accordance with appropriate federal, state and local regulations.

13. Disposal Consideration

Recommended methods for safe and environmentally preferred disposal:
Product(waste from residues)
Do not throw out a used battery cell. Recycle it through the recycling company.
Contaminated packaging
Neither a container nor packing is contaminated during normal use. When internal materials leaked from a battery cell contaminates, dispose as industrial wastes subject to special control.

14. Transport Information

Lithium ion batteries containing no more than 1.5g/cell and 8g/battery pack and also power is no more than 20Wh/cell and 100Wh/battery pack of lithium can be treated as "Non-dangerous goods" under the United Nations Recommendations on the Transport of Dangerous Goods, Special Provision 188, provided that packaging is strong and prevent the products from short-circuit.

With regard to air transport, the following regulations are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical instructions(2021-2022 Edition)
- The International Air Transport Association(IATA) Dangerous Goods Regulations(62nd Edition,2021) Special Provisions A154, A164& package instruction Section II of 965,966 and 967 for lithium ion batteries, or package instruction Section IB of 965
- The International Maritime Dangerous Goods(IMDG) Code 2020 Edition(Amendment 40-20), Special Provision 188..
- The US Hazardous Materials Regulation(HMR) pursuant to a final rule issued by RSPA (Part 49 CFR Sections 100-185)
- The Office of Hazardous Materials Safety with the US Department of Transportation's(DOT) Research and Special Programs Administration(RSPA), and
- The UN Recommendations on the Transport of Dangerous Goods Model Regulations and the Manual of Tests and Criteria

UN regulation

- UN 3480, Batteries only, IATA Dangerous Goods Regulations, packing instruction 965 is applied.
- UN 3481, Lithium ion batteries packed with equipment, IATA Dangerous Goods Regulations, packing instruction 966 is applied.
- UN 3481, Lithium ion batteries contained in equipment, IATA Dangerous Goods Regulations, packing instruction 967 is applied.

Our products are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to all the applicable international and national governmental regulations, not limited to the above mentioned. We further certify that the enclosed products have been tested and fulfilled the requirements and conditions in accordance with UN Recommendations 38.3(T1 – T8) on the Transport of Dangerous Goods Model Regulations and the Manual of Testes and Criterion .that can be as “Non-hazardous Goods.”

Lithium ion batteries only transport by air in accordance with PI965 at a state of charge(SOC) not to exceed 30 percent of rated design capacity.

Test results of the UN Recommendation on the Transport of Dangerous Goods

Manual of Test and Criteria (38.3 Lithium battery)			
No	Test item	Test Results	Remark
T1	Altitude Simulation	Pass	
T2	Thermal Test	Pass	
T3	Vibration	Pass	
T4	Shock	Pass	
T5	External Short Circuit	Pass	
T6	Impact/Crush	Pass	
T7	Overcharge	Pass	
T8	Forced Discharge	Pass	

15. Regulatory Information

Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.7)
OSHA Hazard communication standard (29 CFR 1910.1200)

_____ Hazardous V Non-hazardous

16. Other Information

The information contained herein is furnished without warranty of any kind, Users should consider this data only as a supplement to other information gathered by them and must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

UN38.3 Lithium Battery(Cell) Test Summary
UN38.3 锂电池(电芯)试验概要

No. : RZUN2018-2678-TS

Cell or Battery Information 电池/电芯信息			
Name 名称:	Rechargeable Li-ion Battery/可充电锂离子电池组		Other Physical Description / 其它相关描述:2S1P
Type/Model 型号:	271-00045 7.2V 1.80Ah 12.96Wh		
Color 颜色:	White/白色		
Shape 形状:	Square/方形		
Completed Battery/Cell Mass 电池/电芯整体质量	120.8g		
☒	Belongs to Lithium-ion Battery, the Wh rating is 属于锂离子电池/电芯，瓦时数为	12.96Wh	
☐	Belongs to Lithium metal Battery, the Lithium content is 属于锂金属电池/电芯，锂金属含量为		

Manufacturer Information 制造商信息			
Manufacturer: 制造商:	Inventus Power, Inc. -		
Address: 地址:	1200 INTERNATIONALE PARKWAY, WOODRIDGE, ILLINOIS 60517, USA -		
Telephone 电话:	+1.630.410.7900	Email 电邮:	andy.quan@inventuspower.com
Website 网址:	www.inventuspower.com		

Laboratory Information 检测试验室信息					
Laboratory: 检测试验室:	Vkan Certification & Testing Co., Ltd. 威凯检测技术有限公司				
Address: 地址:	No.3,Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou P. R. China. 中国 广州市科学城开泰大道天泰一路 3 号				
Tel 电话:	86-020-32293888	Email 电邮:	office@cvc.org.cn	Website 网址:	http://www.cvc.org.cn

UN38.3 Test conducted and results UN38.3 试验项目和结果			
Test Report ID 检测报告编号:	RZUN2018-2678	Date of Test Report 检测报告签发日期:	2018-11-30
Manual of Test and Criteria version / amendment: 试验和标准手册版本号/修订版:		ST/SG/AC.10/11/Rev.6/Amend.1/Section 38.3	

List of Tests Completed 已完成的试验项目清单

Test Items 试验项目	Pass 通过	Fail 失败	Reference to assembled battery testing requirement: 关于组合电池的试验要求:
☒ T1 Altitude Simulation 高度模拟	☒	☐	☒ Not applicable 不适用
☒ T2 Thermal Test 热冲击	☒	☐	
☒ T3 Vibration 振动	☒	☐	☐ Applicable，reference to 38.3.3 (f) 适用于 38.3.3 (f)
☒ T4 Shock 冲击	☒	☐	
☒ T5 External Short Circuit 外部短路	☒	☐	☐ Applicable，reference to 38.3.3 (g) 适用于 38.3.3 (g)
☒ T6 Impact/ Crush 撞击/ 挤压	☒	☐	
☒ T7 Overcharge 过充电	☒	☐	Other executive standards/其他执行标准:
☒ T8 Forced Discharge 强制放电	☒	☐	

Note：The test results of this summary are only valid for the tested samples listed in test report RZUN2018-2678.

注：此摘要的测试结果仅对测试报告 RZUN2018-2678 中列出的测试样品有效

Title/职务: Manager/经理

Signatory/签发人: 黄鼎

Stamp of CVC:
CVC 印章:

210-06697+C0

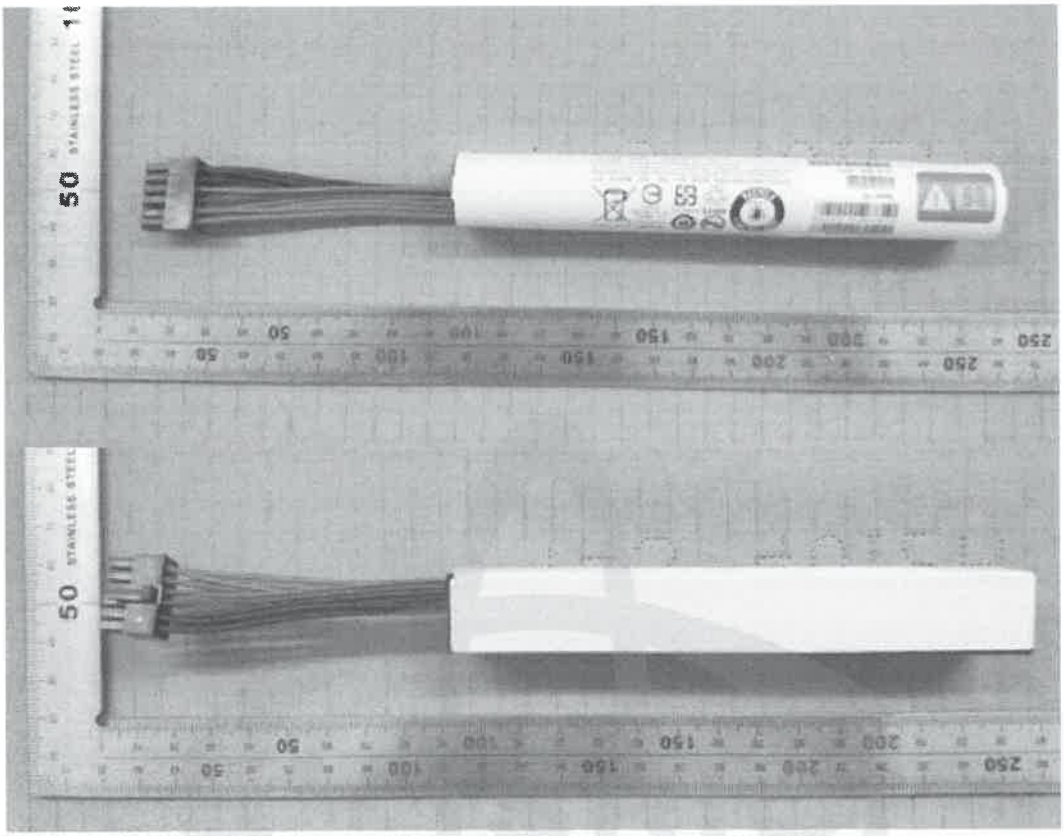
UN38.3 试验概要
UN38.3 Test Summary

812000700380441

单位信息 Company information			
委托单位 Consignor	新普科技(重庆)有限公司 Simplo Technology (Chongqing) Inc. 重庆市沙坪坝区西永综保大道 2 号 No.2 ZONGBAO AVENUE OF CHONGQING 023-61718899 jie_ran@simplo.com.cn http://www.simplo.com.tw/		
生产单位 Manufacturer	新普科技(重庆)有限公司 Simplo Technology (Chongqing) Inc. 重庆市沙坪坝区西永综保大道 2 号 No.2 ZONGBAO AVENUE OF CHONGQING 023-61718899 jie_ran@simplo.com.cn http://www.simplo.com.tw/		
测试单位 Test lab	新普科技股份有限公司 Simplo Technology Co., LTD. 台湾新竹县湖口乡八德路 2 段 471 号 No.471,Sec.2 Pa TehRd.,Hu Kou 303,Hsin Chu Hsien, Taiwan 88635695920 Sting_Lin@simplo.com.tw http://www.simplo.com.tw/		
电池信息 Battery information			
名称 Name	锂电池/锂离子电池/锂离子电池组/可充电	品牌 Brand	/
型号 Type	Razor-M	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	7	容量/能量 Capacity/energy	1.5Ah 10.5Wh
描述 Description	可充电锂离子电池组 Rechargeable Li-ion battery	锂含量(g) Li content	/
质量(kg) Mass	0.120	外观 Appearance	白色塑胶外壳 White plastics cement shell
测试信息 Test information			
原报告编号 Original test report No.	SNAU-2003002	测试报告日期 Date of test report	2020-03-06
测试标准 Test standard	联合国《关于危险货物运输的建议书 试验和标准手册》第 38.3 章 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria 38.3		ST/SG/AC.10/11/Rev.6/Amend.1
T.1 高度模拟 Altitude simulation	合格 Passed	T.2 温度测试 Thermal test	合格 Passed
T.3 振动测试 Vibration	合格 Passed	T.4 冲击测试 Shock	合格 Passed
T.5 外部短路 External short circuit	合格 Passed	T.6 撞击 Impact	合格 Passed
T.7 过度充电 Overcharge	合格 Passed	T.8 强制放电 Forced discharge	合格 Passed
38.3.3 (f)	/	38.3.3 (g)	/

210-06836+A0

样品图片 Sample Picture



结论 Conclusion	测试样品符合联合国《关于危险货物运输的建议书试验和标准手册》ST/SG/AC.10/11/Rev.6/Amend.1 38.3 标准要求。The tested samples meet the requirements of test items of the UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6/Amend.1 38.3
备注 Remark	/

签名 Signature 职务 Title	王寅 副总工程师 Vice chief engineer	签发日期 Issued date	2020-11-17

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报告结束