







地址:中国广州市天河区珠江新城花城大道66号**B**座网址:**www.iqt**c.en 邮编:**510623**

Add: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, China

Website: www.iqtc.cn Postcode: 510623 01052000008143-1(E)

2020-12-24 Date: 1 of 14 Page:

UN38.3 报告 **UN38.3 Test Report**

样品名称: 锂离子充电电池

Sample Name: Li-ion Rechargeable Battery

惠州隆基电子有限公司 委托单位:

HUIZHOU LONGJI ELECTRONICS CO., LTD **Applicant:**



KNYB6Z7XLI

广州海关技术检验检测专用 GUANGZHOU CUSTOMS DISTRICT TECHNOLOG

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检测证书 **TEST REPORT**

	12011/21/01/1
样品名称 Sample Name	锂离子充电电池 Li-ion Rechargeable Battery
型号 Model	GEB373 14.4V 20.1Ah 289Wh
委托单位 Applicant	惠州隆基电子有限公司 HUIZHOU LONGJI ELECTRONICS CO., LTD
委托单位地址 Applicant Address	广东省惠州市博罗县石湾镇南亚北路里波水第二工业区 No.2 LIBo SHUI INDUSTRIAL DISTRICT,NAN YA BEI LU,SHEK WAN, BOLUO, HUIZHOU, GUANGDONG, CHINA
生产单位地址 Manufacture Address	广东省惠州市博罗县石湾镇南亚北路里波水第二工业区 No.2 LIBo SHUI INDUSTRIAL DISTRICT,NAN YA BEI LU,SHEK WAN, BOLUO, HUIZHOU, GUANGDONG, CHINA
生产单位 Manufacture	惠州隆基电子有限公司 HUIZHOU LONGJI ELECTRONICS CO., LTD
样品外观与性状 Appearance & Odor	红色塑料外壳 Red plastic shell
测试方法和判定标准 Test method and criterion	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.7, 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7, 38.3
接样时间 Accepted date	2020-12-02 测试日期 Test date 2020-12-02~2020-12-24
测试项目 Test items	高度模拟、温度试验、振动、冲击、外部短路、撞击、过度充电、强制放电。 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Impact, Overcharge, Forced discharge.
结论 Conclusion	经测试,该样品符合联合国《关于危险货物运输的建议书。 试验记录 使手册》 ST/SG/AC.10/11/Rev.7, 38.3 标准要求。 The sample has passed the test items of UNITED NATIONS "Recommendations of the TRANSPORT OF DANGEROUS GOODS", Manual of Test and Criteria ST/SG/AC 10/11/Rev.7 38.3.
备注 Remark	1.检测结果仅对样品有效; The test results are only valid for the test samples submitted the applicant. 2.随附 UN38.3 试验概要(编号: 01052000008143-2(E))。 Attached with UN38.3 test summary (No.: 01052000008143-2(E)).

批准

Approver:

ア本に発 ^{审核} Checker:

其3名

主检

Appraiser:

张佳

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电池组信息:

The batteries information:

电池类型 Battery type	锂离子电池 Lithium ion batteries	标称电压 Nominal Voltage	14.4V
额定容量 Rated Capacity	20.1Ah	总能量 Total Energy	289Wh
充电限制电压 Limited Charge Voltage	24V	标准充电电流 Standard Charge Current	2.5A
最大充电电流 Maximum Charge Current	2.6A	充电截止电流 Charge Cut-off Current	0.6A
标准放电电流 Standard discharge Current	1.15A	最大放电电流 Maximum Discharge Current	2.85A
放电截止电压 Discharge Cut-off Voltage	10.2V	物理形状说明 Physical description	长方体 Cuboid
电芯数量 Cell Quantity	24PCS	重量 Mass	1920g
电芯容量 Cell Capacity	3450mAh	电芯型号 Cell Model	INR18650-M35A
电芯生产单位 Manufacturer of cell	HINGE WELLEL LINE	MOLI	John McHong







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序号 No.	测试项目名 称 Name of test	Stand requirement	或标准条款号 or the clause number of andard	测试结果 Test result	本项结论 Test conclusion	备注 Remark
1	高度模拟 Altitude simulation	验和标准手册》U	分的运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	1 of
2	温度试验 Thermal test	验和标准手册》U	分物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	1
3	振动 Vibration	验和标准手册》U	货物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	STION CO
4	冲击 Shock	验和标准手册》U	货物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	A CELLULA
55	外部短路 External short circuit	验和标准手册》U	货物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	/
6	撞击 Impact	验和标准手册》U	货物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	STOME T
7	过度充电 Overcharge	验和标准手册》U	货物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验		合格 Passed	/
8	强制放电 Forced discharge	验和标准手册》U	货物运输的建议书 试 N Manual of Tests and .10/11/Rev.7, 38.3 试验	1.22	合格 Passed	1
Test	测试环境 environment condition	Amb	环境温度: 20℃-23 pient temperature: 20℃-2			SPICT .
G~	包测试情况	测试项目 Test items	CHROLOT SICTAL	in President	USTONE	130
Subc	它则试师儿 contracted test condition	分包实验室 Subcontracted	名称 Name	1 JETONIE	邮编 Post code	CA MICE
		Laboratory	地址 Address	You all	电话 Tel	/

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序号

No.

Rupture

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测试项目名称

Name of test

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附表 1

Appendix 1

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高度模拟

Altitude simulation

标准要求 Requirement of Standard 样品状态 Sample	电池组应无线组在试验后的 组在试验后的 池组除外)。 Test cells and temperature 2 no venting, n battery after requirement r b1#~b4#: 第 b1#~b4#: 第	电池组在压力等重量损失、无效的开路电压不少d batteries shall 20 ± 5°C. Cells o disassembly, testing is not relating to voltage of the control of th	w漏、无排气、 >于其在进行。 be stored at a ps and batteries no rupture and less than 90% ge is not applic 充电的电池; y charged states	无解体、无效一试验前电应 pressure of 11.0 meet this required no fire and if of its voltage able to test cell s;	破裂和无燃烧, 玉的 90%(完 6 kPa or less fo irement if there the open circular immediately	,并且每个试算 全放电状态的 r at least six ho e is no mass los it voltage of ea prior to this p	脸电池或电池 试验电池或电 surs at ambient ss, no leakage, ach test cell or rocedure. The
status	b5#~b8#: a	fter 25 cycles er	nding in fully c	harged states.	IMELY		
样品编号	测试前	Before	测试后	After	质量损失	剩余电压	测试结果
Sample No.	电池质量 m _l (g)	开路电压 v ₁ (v)	电池质量 m ₂ (g)	开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
b1#	1921.5	23.7	1921.5	23.7	0.000	100.00	0
b2#	1920.4	23.7	1920.4	23.7	0.000	100.00	0
b3#	1924.2	23.8	1924.2	23.8	0.000	100.00	0
b4#	1923.0	23.7	1923.0	23.7	0.000	100.00	0
b5#	1920.5	23.8	1920.5	23.8	0.000	100.00	0
b6#	1923.2	23.7	1923.2	23.7	0.000	100.00	0
b7#	1922.7	23.6	1922.7	23.6	0.000	100.00	0
b8#	1921.4	23.6	1921.4	23.6	0.000	100.00	0
	8	700	140,		0/5	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	,0

注: L-泄漏; V-排气; D-解体; R-破裂; F-起火; O-无泄漏、无排气、 无解体、无破裂、无起火。 Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No

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附表 2

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温度试验

17 5	M X Z	则以	坝日石价		血り	之风迎	
No.	Appendix 2	2 Nar	ne of test	5	Then	mal test	
标准要求 Requirement of Standard	存放至少 6h 间的最大时间放 24h。试验 个试验电池或态的试验电池 Test cells and followed by s interval betw after which al For large cell 12 hours. Cel disassembly, testing is not	电池组在试验证 (大型电池或耳 可间隔为 30min 这电池组电池组 或电池组在试验 也或电池组除外 d batteries are to torage for at lea een test temper Il test cells and s and batteries to ls and batteries to no rupture and less than 90% co not applicable to	电池组暴露于机。重复 10 次,应无重量损失应后的开路电压。 be stored for ast six hours at ature extremes batteries are to the duration of meet this requence fire and if its voltage in	双端试验温度的 再将所有试验 、无渗漏、无 E不少于其在主 at least six ho a test temperat is 30 minutes be stored for 2 exposure to the irement if there the open circ mediately price	的时间至少为验电池或电池线排气、无解体进行这一试验官urs at a test tenture equal to -4. This procedured thours at ambertest temperature is no mass locuit voltage of corto this procedure.	12h)。两个极 且在环境温度? 、无破裂和无 的电压的 90% mperature equa 0 ± 2°C. The re is to be reperient temperature extremes shows, no leakage, each test cell colure. The require	端试验温度之 20℃±5℃下存 燃烧,并且每 (完全放电划 I to 72 ± 2 ℃ maximum times ated 10 times re (20 ± 5 °C.) ould be at leas no venting, no or battery afte
样品状态 Sample status	b1#~b4#: 第 b1#~b4#: fi b5#~b8#: 第	一个循环完全 rst cycle in full 二十五个循环 fter 25 cycles er	充电的电池; y charged state 完全充电的电	s; 池。	y discharged st	ates.	. Ology CELING
样品编号	0	测试前 Before		After	质量损失 Mass loss	剩余电压 Residual	测试结果
Sample No.	电池质量 m ₁ (g)	开路电压 v ₁ (v)	电池质量 m ₂ (g)	开路电压 v ₂ (v)	(%)	OCV(%)	Test result
b1#	1921.5	23.7	1921.5	23.0	0.000	97.05	O
b2#	1920.4	23.7	1920.5	23.1	-0.005	97.47	О
b3#	1924.2	23.8	1924.2	22.9	0.000	96.22	0
b4#	1923.0	23.7	1923.1	23.2	-0.005	97.89	О
)	N.	6	0.02.1	0.000	07.06	O
b5#	1920.5	23.8	1920.5	23.1	0.000	97.06	.0
b5# b6#	1920.5 1923.2	23.8	1920.5	23.1	-0.005	97.06	0
GLIC	G _D _E		-47	<u></u>	00	14 STATE	TAO,

& No Fire.

Rupture

Note:L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No

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附表3

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振动

No.	Appendix 3	Nam	ne of test	214	Vibr	ation	
标准要求 Requirement of Standard	之间摆动再回重复进行 12% 破裂和无燃烧压的 90% (穿Cells and batte cells in such waveform wit minutes. This perpendicular to the terminal venting, no dibattery after t	到 7Hz 的对次,一共振动次,一共振动态,并且每个i 完全放电状态 eries are firml a manner as h a logarithm cycle shall b mounting posi l face. Cells ar sassembly, no esting is not	数扫频 15min 3h。试验电池式验电池或电池或电池或电池或的试验电池或y secured to the to faithfully tric sweep betwee repeated 12 itions of the cend batteries medo rupture and reless than 90%	,对三个互相 或电池组应无 地组在试验后 电池组除外)。 an e platform of transmit the vibreen 7 Hz and times for a to all. One of the content this requirement of its voltage this requirement of its voltage.	台面上,用正克垂直的电池或 垂重损失、无 的开路电压不会 the vibration moration. The vil 200 Hz and botal of 3 hours directions of vibrations	电池组安装方 渗漏、无排气 少于其在进行: nachine without bration shall b rack to 7 Hz to s for each of to ration must be no mass loss, t voltage of ea prior to this p	向的每个方向 、无解体、无 这一试验前电 t distorting the e a sinusoidal raversed in 15 three mutually perpendicular no leakage, no ich test cell or procedure. The
样品状态 Sample status	b1#~b4#: 第- b1#~b4#: fir b5#~b8#: 第- b5#~b8#: aft	st cycle in full 二十五个循环	y charged state	.池。	GNAT	ALLE -	OGTOFFAIR
样品编号	测试前	Before	测试后	测试后 After		剩余电压	测试结果
Sample No.	电池质量 m _l (g)	开路电压 V ₁ (v)	电池质量 m ₂ (g)	开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
b1#	1921.5	23.0	1921.5	23.0	0.000	100.00	0
b2#	1920.5	23.1	1920.5	23.1	0.000	100.00	0
b3#	1924.2	22.9	1924.2	22.9	0.000	100.00	О
b4#	1923.1	23.2	1923.1	23.2	0.000	100.00	0
b5#	1920.5	23.1	1920.5	23.0	0.000	99.57	0
b6#	1923.3	23.0	1923.2	23.0	0.005	100.00	0
b7#	_ 1922.7	22.9	1922.7	22.9	0.000	100.00	0

注: L-泄漏; V-排气; D-解体; R-破裂; F-起火; O-无泄漏、无排气、 无解体、无破裂、无起火。 Note:L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No & No Fire. Rupture

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No.	Appendix 4	4 Nai	me of test		SI SI	nock	
标准要求 Requirement of Standard	gn= √(100850 其正负极各> 解体、无破别 试验前电压的 Test cells and support all me shock of peal milliseconds. by three shoc or battery for leakage, no v cell or battery requirement	/ mass) 中较小中击 3 次,共次中击 3 次,共次的 90%(完全的 batteries shall ounting surface k acceleration of Each cell or backs in the negating a total of 18 shenting, no disary after testing is	者的正弦波冲 中击 18次。各 并且每个试验的 放电状态的试 l be secured to ss of each test b of 150gn or ac attery shall be ve direction of locks. Cells and ssembly, no rules s not less than the	击,脉冲持续试验电池或电 试验电池或电池组 验电池或电池: the testing made tattery. Each sm celeration (gn) subjected to the three mutually d batteries meet puture and no fir 90% of its volta pplicable to te	时间 6ms,按 池组应无重量 在试验后的开。 组除外)。 chine by mean nall batteries sh = $\sqrt{(100850/m}$ ree shocks in the perpendicular this requirement e and if the op- age immediatel	,应以加速度 三个相互垂直 损失、无渗漏 路电压不少于 s of a rigid monall be subjected ass) and pulse ne positive dire mounting position ent if there is no en circuit volta y prior to this position	的轴向分别对 、无排气、无 其在进行这一 unt which wild d to a half-sine e duration of (ction followed ions of the cel o mass loss, no ge of each tes procedure. The
样品状态 Sample status	b1#~b4#: fi b5#~b8#: 第	一个循环完全 rst cycle in full 二十五个循环 fter 25 cycles e	y charged state 完全充电的电	池。		SEINTER-	MOLOGACETA
样品编号	测试前 Before		测试后 After		质量损失 Mass loss	剩余电压 Residual	测试结果
	上 小 丘 目	TH L F	上、上上日	TT 11/2 L TT	(%)	Residuai	- 1
Sample No.	电池质量 m _l (g)	开路电压 v ₁ (v)	电池质量 m ₂ (g)	开路电压 v ₂ (v)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	OCV(%)	Test result
		() () () ()	/		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Test result O
Sample No.	$m_1(g)$	v ₁ (v)	m ₂ (g)	v ₂ (v)	(%)	OCV(%)	Sec.
Sample No.	m ₁ (g) 1921.5	v ₁ (v) 23.0	m ₂ (g) 1921.5	v ₂ (v) 23.0	0.000	OCV(%)	0
Sample No. b1# b2#	m ₁ (g) 1921.5 1920.5	v ₁ (v) 23.0 23.1	m ₂ (g) 1921.5 1920.5	v ₂ (v) 23.0 23.1	0.000	OCV(%) 100.00 100.00	0
b1# b2# b3#	m ₁ (g) 1921.5 1920.5 1924.2	23.0 23.1 22.9	m ₂ (g) 1921.5 1920.5 1924.2	v ₂ (v) 23.0 23.1 22.9	(%) 0.000 0.000 0.000	OCV(%) 100.00 100.00	0 0
b1# b2# b3# b4#	m ₁ (g) 1921.5 1920.5 1924.2 1923.1	23.0 23.1 22.9 23.2	m ₂ (g) 1921.5 1920.5 1924.2 1923.1	v ₂ (v) 23.0 23.1 22.9 23.2	0.000 0.000 0.000 0.000	OCV(%) 100.00 100.00 100.00	0 0 0
b1# b2# b3# b4# b5#	m ₁ (g) 1921.5 1920.5 1924.2 1923.1 1920.5	23.0 23.1 22.9 23.2 23.0	m ₂ (g) 1921.5 1920.5 1924.2 1923.1 1920.5	23.0 23.1 22.9 23.2 23.0	(%) 0.000 0.000 0.000 0.000	OCV(%) 100.00 100.00 100.00 100.00	0 0 0 0

Rupture & No Fire.

Note:L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly,

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测试项目名称

Name of test

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网址: www.iqte.en 邮编: 510623

序号

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附表 5

Appendix 5

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外部短路

External short circuit

标准要求 Requirement o Standard	待试验电池或电池组的外壳温度稳定在 57℃ 电阻小于 0.1Ω 的短路条件, 当电池或电池组断开, 再观察电池或电池组 6h 才结束试验。验后 6h 内应无解体、无破裂和无燃烧。 The cell or battery to be tested shall be temper for the cell or battery to be tested shall be temper to the cell or battery to the external resistance of less than 0.1 ohm at at least one hour after the cell or battery externated the composition of the property of battery must be observed for a further six be meet this requirement if their external tempedisassembly, no rupture and no fire within six be a six of the control of the cont	且外壳温度回到 57℃±4℃后继电池或电池组的外壳温度应为 erature stabilized so that its ext shall be subjected to a short c 57 ± 4 ℃. This short circuit con al case temperature has returned nours for the test to be concluded perature does not exceed 170	续至少 1h, 然后短路 不超过 170℃, 并且试 ernal case temperature ircuit condition with a ndition is continued for I to 57 ± 4 °C. The cell ed. Cells and batteries
样品状态 Sample status	b1#~b4#: 第一个循环完全充电的电池; b1#~b4#: first cycle in fully charged states; b5#~b8#: 第二十五个循环完全充电的电池。 b5#~b8#: after 25 cycles ending in fully charge		GNW _C F
样品编号 Sample No.	样品表面最高温度 Max External Temperature(℃)	测试结果 Test result	备注 Remark
b1#	57.3	O _N OLO	of the 1
b2#	57.0	J. To J. S	1 STONE
b3#	57.1	EDELLO O PETONI	14011
b4#	57.2	0	Janes 1
b5#	57.3	GIJATIO O	1
b6#	57.2	O	od /
b7#	57.0	0	1,000
Ly.	57.2	0 20	9/2

Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.

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序号 No.	附表 Append		STON	测试项目 Name o		撞击 Impac	t
标准要求 Requirement of Standard	直径(15.8±0.1)毫完于克的重锤从(61: 件更的重锤从(61: 体重锤阻力最不的。 接受撞击的试样, 的纵轴垂直,每个 试验电池式破裂、 Impact (applicable to Test procedure – Imcell or component co long, or the longest placed across the cel at the intersection of sliding track or char guide the falling ma sample is to be impa longitudinal axis of sample. Each sample	池米, £2.5) 轨 在度里道 全度里道 计经电。 如果成火的dimension of the bar and the ba	光滑的表示 少 6 厘米落子 一 少 6 厘米落子 一 地表 道 一 地表 道 出 大部 面 重 造 是 di cells not l sable to cyli placed on a of the cell, ample. A 9 nd sample inimal drag oriented 90 s longitudir 0.1 mm diar ojected to o	面上,一根 31 或电池最长端 或电池最长端 空制,垂直轨。 行并与横放在 不超过 170℃, ess than 18mm indrical cells g flat smooth su whichever is g 1±0.1kg mass in a controlled on the falling degrees from nal axis paralle meter curved nly a single im	greater than 20 mm in rface. A 15.8±0.1mm greater, Type 316 start is to be dropped from d manner using a near mass. The vertical transition the horizontal supposal to the flat surface as surface lying across	ad,用一块 平没有摩擦 每一个。 和试验后 6 diameter, a diameter, a inless steel to a height of ar frictionle- rack or chan- orting surface and perpendice the center	(9.1±0.1) 这的、对落之表面 支撑。 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内应 一个时内。 一个时间。 一个一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一
样品状态 Sample status	C1#~C5#: 第一个 C1#~C5#: first cyc C6#~C10#: 第二十	循环 50%的 cle at 50% o 五个循环 5	额定容量的 f the desigr 50%的额定	为电芯。 n rated capacity 容量的电芯。	C/12	r this test.	8
样品编号 Sample No.	C6#~C10#: after 2 样品表面最高温度 Max External Temperature(°C)	测试结果 Test result	备注	design rated ca 样品编号 Sample No.	样品表面最高温度 Max External Temperature(℃)	测试结果 Test result	备注 Remark
C1#	129.3	O	/	C6#	116.7	0	/ CHI
C2#	114.5	О	/	C7#	110.7	0	enct)
C3#	114.2	О	001	C8#	121.2	0	/
C4#	65.1	О	/	C9#	115.3	0	Though the state of the state o
C5#	140.0	o O	/0/15 D1	C10#	115.3	0	JIP" /

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。

Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.







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序号 No.	附表 7 Appendix 7	测试项目名称 Name of test	过度充电 Overcharge	
K K K K K K K K K K K K K K K K K K K			的两倍,试验的最小电压应为如下: 验的最小电压应是电池组最大充电电压的	
	信或 22V 两者中的		一种	1 1 ks
标准要求 Requirement of Standard	(b) 制造商建议的可再充电电池组织The charge current so current. The minimu (a) When the manufavoltage of the test sh 22V. (b) When the manufa of the test shall be 1. Tests are to be con Rechargeable batteridays of the test. b1#~b4#:第一个循	在电电压大于 18V 时,试验的在环境温度下试验 24h。试样和 be twice the manufacturer's m voltage of the test shall be as acturer's recommended charge vall be the lesser of two times the acturer's recommended charge values the maximum charge valucted at ambient temperature	oltage is not more than 18V, the minimum e maximum charge voltage of the battery or oltage is more than 18V, the minimum voltage	age ours.
Sample status	b5#~b8#: 第二十五	个循环完全充电的电池。 cycles ending in fully charged st	tates.	
样品编号 Sample No.	5	测试结果 Test result	备注 Remark	MSC
b1#	CHATTER CO	O O	Kright, Wie Orly Park	
b2#	Sex LEGHING	O KRIOT ME	Markey / Method	
b3#	STRICT	O	Petho. Phy	
b4#	ONED. OUC	o metho	Sales 1 Peterson	
b5#	o AMELINE	0	Telling 1 Triple	, X
b6#	67	0	ROLL TELL	
b7#	e della	O MANAGE STATE	ESTATE / ETOMES	

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。 Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly. No Rupture & No Fire.







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序号 No.	附表 8 Appendix 8		项目名称 ne of test		虽制放电 ed discharge
标准要求 Requirement of Standard	定的最大放电电流的燃烧。 Each cell shall be for D.C. power supply a manufacturer. The spappropriate size and interval (in hours) economics.	的条件下强制放 preed discharged at an initial curre pecified discharge rating in series w qual to its rated ca	电。原电池或可存 at ambient temper ent equal to the m c current is to be of ith the test cell. Ea apacity divided by	F充电电池在试验后 ature by connecting aximum discharge c btained by connecting the cell shall be force the initial test curren	E始电流等于制造商给 7天内应无解体和无 it in series with a 12V urrent specified by the g a resistive load of the ed discharged for a time at (in Ampere).Primary of fire within seven days
样品状态 Sample status	C11#~C20#: 第一/ C11#~C20#: first cyc C21#~C30#: 第二- C21#~C30#: after 25	cle in fully discha 十五个循环完全流	arged states; 放电的电芯。	GUNAGIHO	EP CACE
样品编号 Sample No.	测试结果 Test result	备注 Remark	样品编号 Sample No.	测试结果 Test result	备注 Remark
C11#	0	1	C21#	0	aici / ss
C12#	0	oto /	C22#	(1 O (1)	1,510
C13#	To O THO	1,01	C23#	O	1401/
C14#	O	9	C24#	0	Unite /
C15#	0	STORM /	C25#	0	150
C16#	0 0	/ JANG	C26#	0	30%
C17#	O	/	C27#	O	Harry 1 Charles
C18#	0	8 1	C28#	0	J. S. T.
C19#	- o della	1,4010	C29#	0	istome,
	0	70.	.03	,9	(2) zi

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。 Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.







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样品图片 Photo of the sample









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Inspection Address: Room C102, No,1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China (Light Industry Testing Laboratory in Science City)

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