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No: 01052000000426-1(E)

Date: 2020-03-18 Page:

UN38.3 报告 **UN38.3 Test Report**

锂离子电池组

Sample Name: Li-ion Battery Pack

东莞鸿霖车业有限公司 委托单位:

Applicant: Dong Guan Honglin Industrial Co.ltd.



1B210V4CD4



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检测证书 **TEST REPORT**

	IESTREP	JNI		
样品名称 Sample Name	锂离子电池组 Li-ion Battery Pack	WARETHOO	GURI MER	Co.
型号 Model	BL19 36V 13.4Ah 482.4Wh	CENTER	orog oc.	TECHNOLO
委托单位 Applicant	东莞鸿霖车业有限公司 Dong Guan Honglin Industrial Co.ltd	CHINOLOG DICT	Rething Phelicipies	
委托单位地址 Applicant Address	广东省东莞市寮步镇华南工业城 Southern China Industrial Park LiaoE	Bu Town DongGuan C	ity. GuangDong. China	a LHOU
生产单位 Manufacture	东莞鸿霖车业有限公司 Dong Guan Honglin Industrial Co.ltd	HOLORE	3THO GOV	EMILE ²
生产单位地址 Manufacture Address	广东省东莞市寮步镇华南工业城 Southern China Industrial Park LiaoE	Bu Town DongGuan C	ity. GuangDong. China	a
样品外观与性状 Appearance & Odor	黑色塑料外壳 Black plastic shell	31 CEIMIN ECHMOL	ARICT THEFT.	ME DISTRI
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 38.3 UNITED NATIONS "Recommendar Manual of Tests and Criteria ST/SG/A	tions on the TRANSP	ORT OF DANGEROU	
接样时间 Accepted date	2020-01-16	测试日期 Test date	2020-01-18~202	0-03-18
测试项目 Test items	高度模拟、温度试验、振动、冲击 Altitude simulation, Thermal test, Vib Forced discharge.			
结论 Conclusion	经测试,该样品符合联合国《完 ST/SG/AC.10/11/Rev.6/Amend.1, 38 The sample has passed the test ite TRANSPORT OF DANGEROU ST/SG/AC.10/11/Rev.6/Amend.1, 38	.3 标准要求。 ems of UNITED NA US GOODS", M	TONS "Recomment	标准手册》 ations on the ind Criteria
备注 Remark	1.检测结果仅对样品有效; The test results are only valid for tl 2.随附 UN38.3 试验概要(编号: 0 Attached with UN38.3 test summar	1052000000426-2(E))0 106015428	J. Sept.

批准

Approver:

审核

Checker:

主检

Appraiser:

红粉

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电池组信息:

The batteries information:

电池类型 锂离子电池 Battery type Lithium ion batteries		标称电压 Nominal Voltage	36V
额定容量 Rated Capacity	13.4Ah	总能量 Total Energy	482.4Wh
充电限制电压 Limited Charge Voltage	42V	标准充电电流 Standard Charge Current	2A
最大充电电流 Maximum Charge Current	4A	充电截止电流 Charge Cut-off Current	0.2A
标准放电电流 Standard discharge Current	13.4A	最大放电电流 Maximum Discharge Current	15A
放电截止电压 Discharge Cut-off Voltage	25V	物理形状说明 Physical description	棱柱体 Prismoid
电芯数量 Cell Quantity	40 PCS	重量 Mass	2.73 kg
电芯容量 Cell Capacity	3500mAh	电芯型号 Cell Model	LG-MJ1
电芯生产单位 Manufacturer of cell	CHING DETRICT	松下电器产业株式会 Joint-stock Company	CN

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	- 1				2		
序号 No.	测试项目名称 Name of test	Stand requirement	或标准条款 or the clause tandard		测试结果 Test result	本项结论 Test conclusion	备注 Remark
1	高空模拟 Altitude simulation	联合国《关于危险和标准手册》UNCriteriaST/SG/A38.3 试验T.1 Test T	N Manual o AC.10/11/Rev	f Tests and	见附表 1 See Appendix 1	合格 Passed	, CHINO, C
2	温度试验 Thermal test	38.3 试验 T.2 Test T	N Manual o AC.10/11/Rev Г.2	f Tests and v.6/Amend.1,	见附表 2 See Appendix 2	合格 Passed	1
3	振动 Vibration	联合国《关于危险 和标准手册》UN Criteria ST/SG/A 38.3 试验 T.3 Test 7	N Manual o AC.10/11/Rev		见附表 3 See Appendix 3	合格 Passed	THON'S
4	冲击 Shock	联合国《关于危险和标准手册》UN Criteria ST/SG/A 38.3 试验 T.4 Test 7	N Manual o AC.10/11/Rev	f Tests and	见附表 4 See Appendix 4	合格 Passed	of Chillip
5	外部短路 External short circuit	联合国《关于危险 和标准手册》UN Criteria ST/SG/A 38.3 试验 T.5 Test T	N Manual o AC.10/11/Rev	f Tests and	见附表 5 See Appendix 5	合格 Passed	1
6	撞击 Impact	联合国《关于危险 和标准手册》UN Criteria ST/SG/A 38.3 试验 T.6 Test T	N Manual o AC.10/11/Rev	f Tests and	见附表 6 See Appendix 6	合格 Passed	(ONE)
7	过度充电 Overcharge	和标准手册》UN	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6/Amend.1,				/
8	强制放电 Forced discharge	联合国《关于危险 和标准手册》UN Criteria ST/SG/A 38.3 试验 T.8 Test T	N Manual o AC.10/11/Rev	f Tests and	见附表 8 See Appendix 8	合格 Passed	/ //
Test e	测试环境 environment condition				境湿度: 45% mbient humidi		RICT
CURT	人 台 测	测试项目 Test items	g -	TECHNEY.	AST CO	STOMEDIS	್ರು
Subco	分包测试情况 ontracted test condition	分包实验室 Subcontracted	名称 Name 地址		5°	邮编 Post code 电话	
101,0		Laboratory	Address	~JOT /	AGV.	Tel	/

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序号 No.	附表 1 Appendix 1			测试项目名称 Name of test		高空模拟 Altitude simulation		
标准要求 Requirement of Standard	池组应无重量 在试验后的开 组除外)。 Test cells and b temperature 20 venting, no dis battery after te	池组在压力等一损失、无渗漏、 损失、无渗漏、 路电压不少于与 patteries shall be ±5℃. Cells and cassembly, no re esting is not les ating to voltage	无排气、无触 其在进行这一i e stored at a pre- batteries meet upture and no is than 90% o	解体、无破裂和 式验前电压的 sessure of 11.6kl this requirement fire and if the fits voltage in	和无燃烧,并 90%(完全放 Pa or less for nt if there is open circuit nmediately p	F且每个试验电 效电状态的试验 at least six hou no mass loss, no voltage of eacl prior to this pro	池或电池组 电池或电池 rs at ambient o leakage, no n test cell or ocedure. The	
样品状态 Sample status	b1#~b4#: firs b5#~b8#: 第二	- 个循环完全充 st cycle in fully c 二十五个循环完 er 25 cycles end	charged states; 全充电的电池		aunne Zhoi	en,	ATEP	
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 _I (kg)	开路电压 v ₁ (v)	电池质量 m ₂ (kg)	开路电压 V ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result	
b1#	2.730	40.86	2.730	40.85	0.000	99.98	O	
b2#	2.728	40.88	2.728	40.88	0.000	100.00	О	
b3#	2.732	40.88	2.730	40.86	0.073	99.95	o [©]	
b4#	2.730	40.81	2.730	40.80	0.000	99.98	<i>></i> 0	
b5#	2.732	40.88	2.732	40.82	0.000	99.85	0	
b6#	2.732	40.83	2.732	40.80	0.000	99.93	O	
b7#	2.732	40.81	2.732	40.80	0.000	99.98	О	
b8#	2.730	40.91	2.730	40.85	0.000	99.85	O	

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 Rupture & No Fire.

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测试项目名称

附表 2

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温度试验

No.	Appendix 2	Nam	e of test	AHOU	Thern	nal test	
标准要求 Requirement of Standard	试验大型电池或存放至少 6h。 池或电池组在或无解体、无破系一试验前电压的 Test large cells a followed by storinterval between after which all t Cells and batte disassembly, no testing is not lear	两个极端试验 环境温度 20±5 段和无燃烧, 约 90%(完全 and batteries ar rage for at leas n test temperati est cells and b ries meet this rupture and n ess than 90%	温度之间的最 ℃下存放 24h。 并且每个试验的 放电状态的试 to to be stored to st 6 hours at a ure extremes is atteries are to be requirement to fire and if the of its voltage	大时间间隔为 。试验电池或电 电池或电池组 验电池或电池 for at least 6 ho test temperature s 30 minutes. To be stored for 24 if there is no the open circuit immediately p	30min。重复 包池组应无重 在试验后的开 组除外)。 burs at a test to re equal to -4 his procedured hours at amb mass loss, n voltage of ea prior to this p	夏 10 次,再海量损失、无渗量损失、无渗。 上,一,一,一,一,一,一,一,一,一,一,一,一,一,一,一,一,一,一,一	等所有试验电 漏、无排气、 于其在进行这 nal to 72 ± 2 $^{\circ}$ C, naximum time ated 10 times, rure (20 ± 5 $^{\circ}$ C). To venting, no r battery after
样品状态 Sample status	b1#~b4#: 第一 b1#~b4#: first b5#~b8#: 第二 b5#~b8#: after	cycle in fully 十五个循环完	charged states;	4.0	GUP.	ALE TO THE PROPERTY OF THE PRO	Ologi GEHILO
战口 绝旦	测试前 Before		测试后 After		质量损失	剩余电压	测试结果
样品编号 Sample No.	电池质量 m _l (kg)	开路电压 V ₁ (v)	电池质量 m ₂ (kg)	开路电压 V ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
b1#	2.730	40.85	2.728	40.74	0.073	99.73	o .
b2#	2.728	40.88	2.726	40.80	0.073	99.80	0
b3#	2.730	40.86	2.730	40.80	0.000	99.85	0
b4#	2.730	40.80	2.730	40.80	0.000	100.00	0
b5#	2.732	40.82	2.730	40.79	0.073	99.93	0
b6#	2.732	40.80	2.730	40.78	0.073	99.95	o .
b7#	2.732	40.80	2.732	40.77	0.000	99.93	O
b8#	2.730	40.85	2.728	40.81	0.073	99.90	O

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 Rupture & No Fire.

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振动

Vibration



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测试项目名称

Name of test

附表 3

Appendix 3

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标准要求 Requirement of Standard	之间摆动再回到复进行 12 次, 裂和无燃烧,并 90%(完全放应 Cells and batter cells in such a waveform with This cycle shall mounting positiface. Cells and disassembly, no testing is not less	到 7Hz 的对数 一共振动 3h。 主且每个试验电 电状态的试验 ries are firmly manner as to a logarithmic s l be repeated 1 ons of the cell. batteries meet o rupture and ress than 90% of	通过夹具安装在 扫频 15min,对三 试验电池或电池 电池或电池组在i 电池或电池组除 secured to the p. faithfully transitiveep between 71 2 times for a tot One of the direct this requirement no fire and if the its voltage imme est cells and batto	E个互相垂直 地组应无重量 大验后的开路 外)。 latform of the mit the vibra Hz and 200H al of 3 hours tions of vibra t if there is e open circuit diately prior	b电池或电流 提损失、无渗 电压不少于。 e vibration mation. The vib z and back to s for each of ation must be no mass loss, t voltage of e to this proced	他组安装方向 漏、无排气、 其在进行这一 achine without oration shall be 7Hz traversed three mutually perpendicular to no leakage, r ach test cell o ure. The requir	的每个方向重 无解体、无破 试验前电压的 distorting the e a sinusoidal in 15 minutes. perpendicular to the terminal no venting, no r battery after
样品状态 Sample status	b5#~b8#: 第二	t cycle in fully e 十五个循环完		ged states.			
样品编号	测试前 Before 测试后 Aft		After	质量损失	剩余电压	测试结果	
Sample No.	电池质量 m _l (kg)	开路电压 v _I (v)	电池质量 m ₂ (kg)	开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
b1#	2.728	40.74	2.726	40.72	0.073	99.95	0
b2#	2.726	40.80	2.726	40.80	0.000	100.00	О
b3#	2.730	40.80	2.728	40.80	0.073	100.00	Ø 0
b4#	2.730	40.80	2.728	40.80	0.073	100.00	0
b5#	2.730	40.79	2.730	40.78	0.000	99.98	О
b6#	2.730	40.78	2.730	40.76	0.000	99.95	О
	+	~(0)	20	XV	671	The same of the sa	(0)
b7#	2.732	40.77	2.730	40.75	0.073	99.95	O

No 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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Cal.	111.	Ć.		0	6		187
序号 No.	2.77	附表 4 测试项目名称 Appendix 4 Name of test			C) C)	冲击 Shock	
标准要求 Requirement of Standard	将电池或电池 gn= √(100850 / n 其正负极各冲流极各冲流 无破裂积 试验前电压的	中較小者 是 3 次,共冲击 如无燃烧,并且 90%(完全放身 atteries shall be unting surfaces of peak accel nilliseconds. Ear ed by three sho cell or battery s loss, no leakag of each test cell cedure. The req	的正弦波冲击 18次。各试 1每个试验电 电状态的试验 e secured to th of each test eration of 15 ich cell or ba cks in the neg for a total of ge, no venting or battery afte juirement relate	所,脉冲持续时 验电池或电池组在 电池或电池组 e testing machi battery. Each Ogn or acceler ttery shall be s ative direction 18 shocks. Ce to disassemble or testing is not ting to voltage is	间 6ms,按三组应无重量损式验后的开路除外)。 ne by means of small batteries ation (gn) = voice three mutualls and batteries than 90% is not applicab	个相互垂直的 法失、无渗漏、 电压不少于其 of a rigid mount es shall be su (100850 / mass uree shocks in lly perpendicu es meet this re and no fire an of its voltage	和自分别对 无排气、无 在进行这一 nt which will bjected to a and pulse the positive lar mounting equirement if d if the open immediately
样品状态 Sample status	b5#~b8#: 第二	cycle in fully c	harged states; 全充电的电池	10	1010E7 CE	ALE CHIM	i Ser
17 - 75 -	测试前 Before		测试点	测试后 After 质量		剩余电压	测化计用
样品编号 Sample No.	电池质量 m _l (kg)	开路电压 V ₁ (v)	电池质量 m ₂ (kg)	开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	测试结果 Test result
b1#	2.726	40.72	2.726	40.72	0.000	100.00	0
b2#	2.726	40.80	2.724	40.78	0.073	99.95	<i>></i> 0
b3#	2.728	40.80	2.728	40.80	0.000	100.00	0
b4#	2.728	40.80	2.728	40.79	0.000	99.98	0
b5#	2.730	40.78	2.730	40.78	0.000	100.00	0
b6#	2.730	40.76	2.730	40.76	0.000	100.00	0
b7#	2.730	40.75	2.728	40.74	0.073	99.98	O
b8#	2.728	40.81	2.728	40.80	0.000	99.98	0
7) 701 7H	T 111 - 5 471	/ = = = = = = = = = = = = = = = = = = =	7 H. I.	T VI VI T I	11	- T THE TOIL -	

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 Rupture & No Fire.

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序号 No.	附表 5 Appendix 5	测试项目名称 Name of test	外部短路 External short circuit
标准要求 Requirement of Standard	小于 0.1Ω 的短路条件, 当电池 再观察电池或电池组 6h 才结束 6h 内应无解体、无破裂和无燃 The cell or battery to be tested s f reaches 57±4℃ and then the cell external resistance of less than 0 least one hour after the cell or ba battery must be observed for a fun	或电池组外壳温度回到 57±4 记试验。电池或电池组的外壳烧。 hall be temperature stabilized or battery shall be subjected to 0.1 ohm at 57±4℃. This short attery external case temperature or ther six hours for the test to be temperature does not exceed 17	℃下使电池或电池组经受总外电图 ℃后继续至少 1h,然后短路断开 温度应不超过 170℃,并且试验后 a short circuit condition with a total circuit condition is continued for a that returned to 57±4℃ The cell of e concluded. Cells and batteries med 70℃ and there is no disassembly, n
样品状态 Sample status	b1#~b4#: 第一个循环完全充电 b1#~b4#: first cycle in fully cha b5#~b8#: 第二十五个循环完全 b5#~b8#: after 25 cycles ending	rged states;	NATURE OF STREET
样品编号 Sample No.	样品表面最高温度 Max External Temperatur		
b1#	58.0	0	TRE OF
b2#	61.1	Term o	COME THE WICKETT
b3#	58.3	O	dist Metho /
b4#	55.3	O	
b5#	54.6	o o	A COUNTY
b6#	61.4	0	THE PARTY OF THE P
b7#	59.3	e de la companya della companya della companya de la companya della companya dell	
	6/3		

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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, 0	.0	/ \		5	χ0	~~	L
序号 No.	附表 Append		50	测试项目 Name of		撞击 Impac	t
STRONGUSTOME	撞击(适用与直径 试样电池或元件电 直径(15.8±0.1)毫 干克的重锤从(61: 体重重呈 90 度落下。 接受撞击的试样, 的纵轴垂直,每个	池放在平坦 米,长度至2 ±2.5)厘米; 垂直轨道或 纵轴应于平	光滑的表了 6厘米, 高处跌落至 管道加以 坦表面平	面上,一根 31 或电池最长端 到钢棒和试样。 空制,垂直轨。 行并与横放在	的尺度,取二者之 交叉处。使用一个。 道或管道用于引导:	长者,用一块 几乎没有摩擦 落锤沿与水平	(9.1±0.1 k的、对ž 表面支持
	试验电池或电池组		外部温度	不超过 170℃,	并且在试验过程。	中和试验后 ϵ	小时内
标准要求	无解体、无破裂、 Impact (applicable t		l calls not l	acc than 18mn	n in diameter):		
不使安水 Requirement	Test procedure – Im					n diameter)	The samo
of Standard	cell or component ce						
	long, or the longest placed across the cer at the intersection of sliding track or char guide the falling ma sample is to be impa longitudinal axis of sample. Each sample Cells and componen	on the same of the same of the bar are not with minus shall be conceed with its the 15.8±0 to be sub-	ample. A 9 and sample nimal drag oriented 90 s longitudin 0.1mm dian ojected to o	1±0.1kg mass in a controlled on the falling degrees from nal axis paralle meter curved nly a single im	is to be dropped frod manner using a n mass. The vertical the horizontal suppel to the flat surface surface lying across spact.	om a height of ear frictionle track or chan porting surfact and perpendic s the center	61±2.5c sss, vertice nel used e. The tecular to the
	and there is no disas						XO. 11.0
样品状态 Sample status	C1#~C5#: 第一个作 C1#~C5#: first cyc C6#~C10#: 第二十 C6#~C10#: after 2	盾环 50%的 cle at 50% of 五个循环 5	额定容量的 f the design 0%的额定	的电芯。 n rated capacity 容量的电芯。	y of cell.	NWCTHON CO	(
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	样品编号 Sample No.	样品表面最高温度 Max External Temperature(℃)	测试结果 Test result	全备注 Remark
C1#	52.2	0 0	/ /	C6#	58.6	O	100
C2#	49.8	0	1000	C7#	61.8	0	PIC /
C3#	74.3	О		C8#	44.3	O	/
C4#	61.7	O	/	C9#	69.7	O	THE THE
C5#	57.5	0	SIDMS	C10#	54.1	О	/
	- V					ı	

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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4 100			
序号 No.	附表 7 Appendix 7	测试项目名称 Name of test	过度充电 Overcharge
标准要求 Requirement of Standard	充电电流必须是制造商建议的最(a)制造商建议的最中的较少者。 (b)制造商建议的充电电压不为可再充电电池组在环境温度下试The charge current shall be twice the current. The minimum voltage of the (a) When the manufacturer's recomvoltage of the test shall be the lessed 22V. (b) When the manufacturer's recomfor the test shall be 1.2 times the matter are to be conducted at amb Rechargeable batteries meet this redays of the test.	下 18V 时,试验的最小电压应是验 24h。试样在试验后 7 天内应he manufacturer's recommended mhe test shall be as follows: amended charge voltage is not morer of two times the maximum charge mended charge voltage. bient temperature. The duration	最大充电电压的 1.2 倍。 最大充电电压的 1.2 倍。 无解体和无燃烧。 naximum continuous charge re than 18V, the minimum ge voltage of the battery or nan 18V, the minimum voltage of the test shall be 24 hours.
样品状态 Sample status	b9#~b12#: 第一个循环完全充电 b9#~b12#: first cycle in fully cha b13#~b16#: 第二十五个循环完全 b13#~b16#: after 25 cycles endin	arged states; 全充电的电池。	A CELINATION OF SET
	01311-01011. arter 23 cycles chain	ig in runy charged states.	
样品编号 Sample No.	测试结果 Test result	ig in runy charged states.	备注 Remark
	测试结果	ig in runy charged states.	
Sample No.	测试结果 Test result	ig in runy charged states.	
Sample No.	测试结果 Test result O	ig in runy charged states.	
Sample No. b9# b10#	测试结果 Test result O	ig in runy charged states.	
b9# b10# b11#	测试结果 Test result O O	ig in runy charged states.	
b9# b10# b11# b12#	测试结果 Test result O O O	ig in runy charged states.	
b10# b11# b12# b13#	测试结果 Test result O O O	ig in runy charged states.	

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		更目名称 e of test	1.77	制放电 I 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 sp appropriate size and interval (in hours) eq	h条件下强制放电 rced discharged a t an initial curren ecified discharge rating in series wit ual to its rated cap	L。原电池或可存 t ambient temper at equal to the m current is to be of th the test cell. Ea pacity divided by	再充电电池在试验后 rature by connecting in aximum discharge cubtained by connecting ach cell shall be forced the initial test current	始电流等于制造商给7天内应无解体和无t in series with a 12V rrent specified by the a resistive load of the discharged for a time t (in Ampere).Primary fire within seven days
样品状态 Sample status	C11#~C20#: 第一个 C11#~C20#: first eye C21#~C30#: 第二十 C21#~C30#: after 25	le in fully dischar 五个循环完全放	ged states; [电的电芯。		. John Carling
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#	О	d 60 /	C21#	0 0	ELOWE
C12#	o Maria	1,5	C22#	O	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
C13#	O	o di	C23#	0	Mark 1
C14#	0	come / sid	C24#	0	13-
C15#	0 10100	/ JANGA	C25#	0	etch 1
C16#	O	/	C26#	0	1 5
C17#	0	e 1 de	C27#	0	A Comment of the Comm
C18#	- o _	14010	C28#	0	STONE / JOH
C19#	О	A 1 1	C29#	10 0 10 10 10 10 10 10 10 10 10 10 10 10	/ JANGE
C20#	0	1 50	C30#	O	9

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

电池与电芯/Battery and Cell









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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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