





中国认可 国际互认 检测 TESTING CNAS L5473

UN38.3

Report No.: CESUN200104017

# 检测报告

#### **TEST REPORT**

Name of Sam	iple:	Rechargeable Cylindrical Lithium ion Cell
产品名称:		可充电圆柱型锂离子电芯
	e e	
Model Specifi	cation:	
产品型号:		21700T
Client:	Shenzh	en Zhengsheng New Energy Co., Ltd
委托单位:		深圳市正胜新能源有限公司
Classification	of Test:	Commission Test
检测类别:		委托检测

国家轻工业电池及储能材料质量监督检测中心 先进储能材料国家工程研究中心有限责任公司检测中心

National Light Industry Quality Supervision and Testing Center of Battery Energy Storage Materials

Test Center of National Engineering Research Center of Advanced Energy Storage Materials Co., Ltd.

### 说明

## Marking

1. 报告无"报告专用章"无效。

The test report is invalid without "Special seal for report".

2. 报告无批准人、审核人和主检人签名无效。

The test report is invalid without the signatures of Approver, Reviewer and Testing engineer.

3. 报告涂改无效。

The test report is invalid if altered.

4. 对检测报告若有异议,应于收到报告之日起十五天内向检测单位提出。
Objections to the test report must be submitted to Test Center within15 days.

5. 报告仅对送检样品负责。

The test report is Valid for the tested samples only.

6. 本报告检测结论中"N/A"表示"不适用", "P"表示"符合标准要求", "F"表示"不符合标准要求"。 As for test result, "N/A" means is "not applicable", "P" means "pass", "F" means "fail".

检测单位地址: 广东省深圳市宝安区新安街道宝石路29号蓝坤集团大厦B栋一楼B102 Lab Address: No.B102, 1/F., Lankun Group Building B, No.29, Baoshi Road, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

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### TEST REPORT

Name of sample 样品名称	Rechargeable Cylindrical Lithium ion Cell 可充电圆柱型锂离子电芯								
Model /Type 型号规格	21700T (3.7V 510	00mAh 18.87Wh)	Size 样品尺寸	70.9mm×21.7mm (H×D)					
Appearance 样品外观	Cylindrica 圆柱形,		Trade mark 商标						
Quantity 样品数量	40 cells 40 个电芯		Mass 样品质量	69.5g					
Receiving Date 接样日期	2020-01-	04	Testing Date 测试日期	2020-01-04~2020-01-15					
Client	Name 名称	Shenzhen Zhengs 深圳市正胜新能源		gy Co., Ltd					
委托单位	Xixiang street, Bao'an District, ndustrial Zone) 头 4 栋 701								
	Name 名称	Ganzhou Novel Battery Technology Co., Ltd. 赣州诺威新能源有限公司							
Manufacturer 生产单位	Address 地址	Ganzhou Electronic Industry Area, Longnan Economic and Technological Development Zone, Longnan, Ganzhou, Jiangxi, China 江西省赣州市龙南县龙南经济技术开发区赣州电子信息产业科技城							
	Tel. 电话 .	18688707332	eva.lee@noveobattery.com						
	Website 网址 WWW.NOVELBATTERY.COM								
Tested standard 测试标准	the Trans (ST/SG/A	port of Dangerous C.10/11/Rev.6/Ame	Goods, Manual o end.1/Section 38.						
Test conclusion: 检测结论	the TRAN ST/SG/A 经测试,	ISPORT OF DANG C.10/11/Rev.6/Ame	EROUS GOODS nd.1/Section 38.3 【关于危险品货	物运输的建议方式验和标准手册。					
Issue date 签发日期	2020-01-	16		发 报告专用章 恋					
Tested by 主检	群华	了 Reviewed by 审核	西道	子 Approved by A 字字 批准					
陈其平 Cherry Ch 廖宇平 Richie Lia			echnical Manage Quality Manager	er					



#### **TEST REPORT**

Description and illustration of the sample/样品说明及描述:

The sample is lithium ion cell, and without protective devices, are not subject to the requirements of T7 test. The sample's status is good /样品为锂离子电芯,无保护装置,无须做 T7 测试。样品状况良好。

测试项目及结论/ Test items and conclusion。

Test item 测试项目	Sample No. 样品编号	Verdict 判定
T.1 Altitude simulation 高度模拟	C1#~C5#, C6#~C10#	Р
T.2 Thermal test 温度试验	C1#~C5#, C6#~C10#	Р
T.3 Vibration 振动	C1#~C5#, C6#~C10#	Р
T.4 Shock 加速度冲击	C1#~C5#, C6#~C10#	Р
T.5 External Short Circuit 外部短路	C1#~C5#, C6#~C10#	Р
T.6 Impact /Crush 撞击/挤压	C11#~C15#, C16#~C20#	Р
T.8 Forced discharge 强制放电	C21# ~ C30#, C31# ~C40#	Р
Sample pretreatment/样品预处理:		1

C1#~C5#:..... Cells at first cycle, in fully charged state.

第1个充放电周期完全充电状态的电芯。

C6# ~C10#:..... Cells after 25th cycle, in fully charged state.

第25个充放电周期后完全充电状态的电芯。

C11# ~ C15#:..... Cells at first cycle at 50% of the design rated capacity.

第1个充放电周期充电到设计额定容量的50%的电芯。

C16# ~ C20#:..... Cells after 25th cycle at 50% of the design rated capacity.

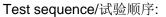
第25个充放电周期后充电到设计额定容量的50%的电芯。

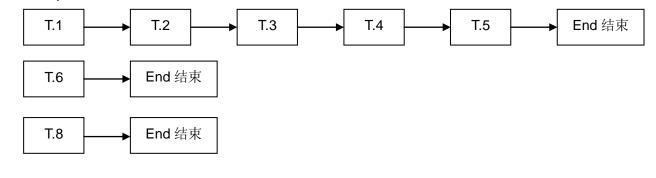
C21# ~ C30#:..... Cells at first cycle, in fully discharged state.

第1个充放电周期完全放电状态的电芯。

C31# ~C40#:..... Cells after 25th cycles, ending in fully discharged state.

第25个充放电周期完全放电状态的电芯。









#### Photos of Samples and Labels/样品照片及标识

Samples /样品(21700T 3.7V 5100mAh 18.87Wh)







	ST/SG/AC.10/11/Rev.6/ Amend.1/Sec	tion 38.3								
Clause	Requirements	Result	Verdict							
章节	标准要求	测试结果	判定							
38.3.4	Procedure/测试步骤		_							
	Test 1: Altitude simulation/测试 1: 高度模拟									
	Test cells and batteries shall be stored at a pressure of 11.6kPa or less for at least six hour at ambient temperature (20±5℃)/将电池和电池组在温度为 20±5℃,压力为不大于 11.6kpa 的环境中贮存不少于 6 个小时。									
38.3.4.1	Requirement/标准要求:  1. Cells and batteries Mass loss limit: ≤0.2% /样品质量损失≤0.2%。  2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test	The samples C1#~C10#: no leakage, no venting, no disassembly, no rupture and no fire/样品	Р							
	cells and batteries at full discharged states/样品试验后开路电压应不低于试验前开路电压的90%,此要求不适用于完全放完电的电池和电池组。	C1#~C10#: 无渗漏、无 排气、无解体、无破裂 以及无着火现象								
	3. No leakage, no venting, no disassembly, no rupture and no fire /样品(电池)应无渗漏、无排气、无解体、无破裂以及无着火现象的发生。	The test data see table1 /测试数据见表1								
	Test 2: Thermal test/测试 2: 温度试验									
38.3.4.2	Test cells and batteries are to be stored for/电池和电池组存储条件如下: 1.one temperature cycle: 72±2℃(6h) —-40±2℃(6h) /一次温度循环为72±2℃(6h)—-40±2℃(6h)。  2.The maximum time interval between test temperature extremes is 30 minutes/温度转换最大间隔时间为30min。  3.This procedure is to be repeated 10 times/重复10次循环。  4.after which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5℃)/循环结束后,电池和电池组在20±5℃的条件下搁置24小时。  For large cells and batteries the duration of exposure to the test temperature extremes should be at least 12 hours/对于大型电池和电池组,暴露于极端试验温度的时间至少为12小时。									
	Requirement/标准要求:  1. Cells and batteries Mass loss limit: ≤0.2% /样品质量损失≤0.2%。  2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states/样品试验后开路电压应不低于试验前开路电压的90%,此要求不适用于完全放完电的电池和电池组。  3. No leakage, no venting, no disassembly, no rupture and no fire /样品(电池)应无渗漏、无排气、无解体、无破裂以及无着火现象的发生。	The samples C1#~C10#: no leakage, no venting, no disassembly, no rupture and no fire/样品 C1#~C10#: 无渗漏、无 排气、无解体、无破裂 以及无着火现象 The test data see table1 /测试数据见表1								



	ST/SG/AC.10/11/Rev.6/ Amend.1/Sec	tion 38.3	
Clause	Requirements	Result	Verdict
章节	标准要求	测试结果	判定
章节 38.3.4.3	Fact 3: Vibration/测试3: 振动  1. Cells and batteries are firmly secured to the platform /电池和电池组牢固地安装在振动台(的台面)上。 2. The vibration :a sinusoidal waveform with a logarithn and 200Hz and back to 7Hz traversed in 15 minutes/振增加至200Hz,然后再回到7Hz为一个循环,时间跨度为3. The logarithmic frequency sweep is as follows/对数挂(1)For cells and small batteries: from 7 Hz a peak a maintained until 18 Hz is reached, The amplitude is the (1.6 mm total excursion) and the frequency increased to 68 gn occurs (approximately 50Hz), A peak acceleration maintained until the frequency is increased to 200Hz/对赫兹开始保持1gn的最大加速度直到频率为18赫兹,然后偏移1. 6毫米)并增加频率直到最大加速度达到8gn(频滤加速度保持在8gn直到频率增加到200赫兹。  (2) For large batteries: from 7Hz to a peak acceler maintained until 18Hz is reached. The amplitude is the (1.6 mm total excursion) and the frequency increased to 200Hz/对开始保持1gn的最大加速度直到频率为18赫兹,然后将扩移1.6毫米)并增加频率直到最大加速度达到2gn(频率速度保持在2gn直到频率增加到200赫兹。 4.This cycle repeated 12 times for a total of 3 hours for perpendicular mounting position of the cell /振动的其中品极性,对每个电池从三个互相垂直的方向上循环12 次小时。  Requirement/标准要求: 1. Cells and batteries Mass loss limit: ≤0.2% /样品质量损失≤0.2%。 2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states/样品试验后开路电压应不低于试验前开路电压的90%,此要求不适用于完全放完电的电池和电池组。 3. No leakage, no venting, no disassembly, no rupture and no fire /样品(电池)应无渗漏、无排气、无解体、无破裂以及无着火现象的发生。	of the vibration machine nic sweep between 7Hz 动以正弦波形式,以7Hz 对15分钟。 加频为: acceleration of 1gn is n maintained at 0.8 mm antil a peak acceleration on of 8gn is then 十中电池和小型电池:从7 将振幅保持在0.8毫米(总 率约为50赫兹),将最大 ation of 1gn is n maintained at 0.8 mm antil a peak acceleration on of 2gn is then 十十大型电池组:从7赫兹 振幅保持在0.8毫米(总偏约为25赫兹),将最大加 each of three mutually 一个方向必须是垂直于样	判定 P
	4.This cycle repeated 12 times for a total of 3 hours for perpendicular mounting position of the cell /振动的其中品极性,对每个电池从三个互相垂直的方向上循环12 次小时。  Requirement/标准要求: 1. Cells and batteries Mass loss limit: ≤0.2% /样品质量损失≤0.2%。 2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states/样品试验后开路电压应不低于试验前开路电压的90%,此要求不适用于完全放完电的电池和电池组。 3. No leakage, no venting, no disassembly, no rupture and no fire /样品(电池)应无渗漏、无排气、无解体、	一个方向必须是垂直于样 ,每个方向3个小时,共9 The samples C1#~C10#: no leakage, no venting, no disassembly, no rupture and no fire/样品 C1#~C10#: 无渗漏、无 排气、无解体、无破裂 以及无着火现象 The test data see	



	ST/SG/AC.10/11/Rev.6/ Amend.1/Section 38.3  Requirements Result								
Clause	Requirements	Result	Verdict						
章节	标准要求	测试结果	判定						
	Test 4: Shock/测试 4: 加速度冲击								
	1.Test cells and batteries shall be secured to the testing machine/以稳固的托架								
	固定住每个电池和电池组样品的全部配件表面。	, , , , , , , , , , , , , , , , , , , ,							
	2. Each cell shall be subjected to a half-sine shock of p	eak acceleration of							
	150gn and pulse duration of 6 milliseconds. Alternatively, large cells may be subjected to a half-sine shock of peak acceleration of 50gn and pulse duration of 11 milliseconds./小型电池须经受峰值为150gn和脉冲持续时间6毫秒的半正弦冲								
	击,大型电池须经受最大加速度50gn和脉冲持续时间11								
	3. Small batteries shall be subjected to a half-sine shoc	k of peak acceleration of							
	150gn (or Acceleration(g <sub>n</sub> ) = $\sqrt{\frac{100850}{mass}}$ , which is small	ller)and pulse duration of							
	6 milliseconds. Large batteries shall be subjected to a h	nalf-sine shock of peak							
	acceleration of 50gn (or Acceleration(g <sub>n</sub> ) = $\sqrt{\frac{30000}{mass}}$	,which is smaller)and							
	pulse duration of 11 milliseconds./小型电池须经受峰值为150gn(或与								
	$\sqrt{\left(\frac{100850}{\text{mass}}\right)}$ 中的较小值)和脉冲持续6毫秒的半正弦波冲击,大型电池组须经受								
38.3.4.4	最大加速度 $50gn$ (或与 $\sqrt{\left(\frac{30000}{mass}\right)}$ 中较小值)和脉冲持续时间 $11$ 毫秒的半正弦波								
	冲击。								
	3 .Each cell or battery shall be subjected to three shock	s in the positive direction							
	followed by three shocks in the negative direction of thr	ee mutually							
	perpendicular mounting positions of the cell or battery f	or a total of 18 shocks/每							
	个电池或电池组须在三个互相垂直的电池安装方位的正式	方向经受三次冲击,接着							
	在反方向经受三次冲击,总共经受18次冲击。								
	Requirement/标准要求:	The samples							
	1. Cells and batteries Mass loss limit: ≤0.2% /样品质	C1#~C10# :							
	量损失≤0.2%。	Acceleration=150g <sub>n</sub>							
	2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test	No leakage, no venting, no disassembly, no							
	cells and batteries at full discharged states/样品试验	rupture and no fire/样品							
	后开路电压应不低于试验前开路电压的90%,此要求不	С1#~С10#:							
	适用于完全放完电的电池和电池组。	峰值加速度=150 <b>g</b> n							
	3. No leakage, no venting, no disassembly, no rupture	无渗漏、无排气、无解							
	and no fire /样品(电池)应无渗漏、无排气、无解体、	体、无破裂以及无着火							
	无破裂以及无着火现象的发生。	现象。The test data see table1 /测试数据见表1							



Clause	Requirements	Result	Verdict					
章节	标准要求	测试结果	判定					
38.3.4.5	Test 5: External Short Circuit/测试 5:外部短路  1.The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 57±4℃/保持试验环境温度稳定在57±4℃,以使电池或电池样品外表温度稳定达到57±4℃。  2. the cell or battery shall be subjected to a short circuit condition with a total external resistance of less than 0,1 ohm at 57±4℃, This short circuit condition is continued for at least one hour after the cell or battery external case temperature							
	has returned to 57±4℃, or in the case of the large bath half of the maximum temperature increase observed dubelow that value/将电池或电池正负极用小于0.1Ω的总电电池的外表温度恢复到57±4℃之后保持短路状态1小时外壳温度下降至最大温升的一半即可。  3. the cell or battery must be observed for a further sixt concluded/对电池或电池必须进一步观察 6 个小时才能	ring the test and remains 阻回路进行短路,电池或 以上,对于大型电池组其 nour for the test to be	Р					
	Requirements/标准要求: During the test and within six hours after test ,the cells or batteries/在测试过程中以及之后6个小时内,电池或电池组样品: 1. External temperature not exceed 170℃/外表温度不超过170℃。 2. No disassembly, no rupture and no fire/无解体、无	The samples C1#~C10#: no disassembly, no rupture and no fire/样品 C1#~C10#: 无解体、无 破裂以及无着火现象 The test data see						
		table 1 /测试数据见衣 1	Р					
38.3.4.6	2. No disassembly, no rupture and no fire/无解体、无 被裂和无着火现象发生。 Test 6: Impact / Crush / 测试 6: 撞击/挤压 Impact (applicable to cylindrical cells not less than 18mm in diameter) /撞击(适用于直径不小于18毫米的圆柱形电池)  1. This test sample cell or component cell is to be placed on a flat smooth surface/将试验样品用的电池或组件电池放在一个平坦光滑的平面上。 2. A 15.8±0.1mm diameter, at least 6 cm long, or the longest dimension of the cell, whichever is greater, type 316 stainless bar is to be placed across the center of the sample, A 9.1kg mass is to be dropped from a height of 61±2.5cm at the intersection of the bar and sample in a controlled manner using a near frictionless, vertical sliding track or channel with minimal drag on the falling mass. The vertical track or channel used to guide the falling mass shall be oriented 90 degrees from the horizontal supporting surface /将一根316型不锈钢棒横过电池中部放置,钢棒的直径为15.8毫米±0.1毫米,长度至少为6厘米,或电池最长端的长度,取二者之长着。将一质量为9.1千克±0.1千克的重锤从61±2.5厘米的高度落向钢棒与试样的交叉处,使用一个几乎没有摩擦的、对落体重锤							



	ST/SG/AC.10/11/Rev.6/ Amend.1/Sec	ction 38.3						
Clause	Requirements	Result	Verdict					
章节	标准要求	测试结果	判定					
	surface and perpendicular to the longitudinal axis of the 15.8 mm ± 0.1mm diameter curved surface lying across the centre of the test sample. Each sample is to be subjected to only a single impact/接受撞击的试样,纵轴应与平坦的表面平行并与横放在试样中心的直径15.8±0.1毫米弯曲表面的纵轴垂直。每一个试样只经受一次撞击。							
	Requirements/标准要求:  1. Cells external temperature not exceed 170℃/电池的最高表面温度应不超过170℃。  2. No disassembly, no rupture and no fire within six hours of this test./试验结束后6 个小时之内,电池应无解体和无着火现象发生。	The samples C11#~C20#: no disassembly and no fire/ 样品C11#~C20#: 无解 体、无着火现象 The test data see table2 /测试数据见表2	Р					
38.3.4.6	Crush (applicable to prismatic, pouch, coin/button cell than 18mm in diameter)/挤压(适用于棱柱形、袋装、18毫米的圆柱形电池)  1. A cell or component cell is to be crushed between the crushing is to be gradual with a speed of approximatel of contact. The crushing is to be continued until the first below is reached/将电池或元件电池放在两个平面之间在第一个接触点上的速度大约为1.5厘米/秒。挤压持续情况之一: (a) The applied force reaches 13kN ± 0.78kN /施加的元(b) The voltage of the cell drops by at least 100mV/电池(c) The cell is deformed by 50% or more of its original 厚度的50%以上。 2. A prismatic or pouch cell shall be crushed by applying side. A button/coin cell shall be crushed by applying side. A button/coin cell shall be crushed by applying the 棱柱形或袋装电池应从最宽的一面施压。纽扣/硬币形电圆柱形电池应从与纵轴垂直的方向施压。	wo flat surfaces. The y 1.5cm/s at the first point at of the three options 归挤压,挤压力度逐渐加大,连进行,直到出现以下三种力达到13千牛±0.78千牛也的电压下降至少100毫伏thickness/电池变形达原始的g the force to the widest a force on its flat surfaces/	N/A					
38.3.4.7	Test 7: Overcharge/测试 7: 过充电  1. The charge current shall be twice the manumaximum continuous charge current/以2倍制造厂推着品充电  2.The minimum voltage of the test shall be as follows/	的最大持续充电电流对样	N/A					



	ST/SG/AC.10/11/Rev.6/ Amend.1/Sec	tion 38.3						
Clause	Requirements Result							
章节	标准要求	测试结果	判定					
38.3.4.7	a) When the manufacturer's recommended charge voltage is not more than 18V, the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the battery or 22V/如果厂家推荐的充电电压不超过18V,本测试的最小充电电压应是厂家标定最大充电电压的两倍或者是22V之中的较小者。b) When the manufacturer's recommended charge voltage is more than 18V, the minimum voltage of the test shall be1.2 times the maximum charge voltage/如果厂家推荐的充电电压超过18V,本测试的最小充电电压应是厂家标定最大充电电压的1.2倍。c)Tests are to be conducted at ambient temperature 20±5℃, The duration of the test shall be 24 hours/20±5℃的环境温度下,试验持续24小时。		N/A					
	Requirements/标准要求: No disassembly and no fire within seven days of this test/试验样品在试验中和试验后7天内,应无解体和无着火现象发生。							
	Test 8: Forced discharge/测试 8: 强制放电 Each cell shall be forced discharged at ambient temperature by connecting it in series with a 12 V D.C. power supply at an initial current equal to the maximum							
38.3.4.8	discharge current specified by the manufacturer/20±5℃的环境温度下,将单个电池连接在12V 的直流电源上进行强制放电,此直流电源提供给每个电池初始电流为制造厂指定的最大放电电流。  The specified discharge current is to be obtained by connecting a resistive load of the appropriate size and rating in series with the test cell. Each cell shall be forced discharged for a time interval (in hours) equal to its rated capacity divided by the initial test current (in ampere)/指定的放电电流通过串联在测试电池上的合适大小和功率的负载来获得,每个电池的强制放电时间(小时)为额定容量除以初始电流(安培)。							
	Requirements/标准要求: No disassembly and no fire within seven days of this test/试验样品在试验中和试验后7天内,应无解体和无着火现象发生。	The samples C21#~C40#: no disassembly and no fire /编号为C21#~C40#无 解体、无着火现象 The test data see table3 /测试数据见表3						



	Table1: T1~T5 / 表1: 试验1~试验5										
项目		C1#	C2#	C3#	C4#	C5#	C6#	C7#	C8#	C9#	C10#
OCV pric 试验前		4.194	4.195	4.194	4.195	4.196	4.193	4.194	4.195	4.196	4.194
Mass prid 试验前原		69.932	69.532	69.616	69.809	69.635	69.755	69.672	69.761	69.437	69.480
Test 1: Altitude	Mass loss 质量损失 (%)	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001
Simulation 测试1: 高 度模拟	Change ratio 电压比 (%)	99.785	99.714	99.714	99.713	99.762	99.738	99.738	99.762	99.690	99.762
Test 2: Thermal test	Mass loss 质量损失 (%)	0.000	0.001	0.004	0.004	0.004	0.006	0.003	0.004	0.004	0.004
test 测试 2: 温 度试验	Change ratio 电压比 (%)	98.686	98.757	98.709	98.733	98.734	98.757	98.733	98.662	98.757	98.733
Test 3: Vibration	Mass loss 质量损失 (%)	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.000
测试 3: 振动	Change ratio 电压比 (%)	99.952	99.976	99.976	100	99.952	100	99.976	100	99.976	100
Test 4: Shock	Mass loss 质量损失 (%)	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
测试 4: 加速度冲击	Change ratio 电压比 (%)	100	100	100	100	99.976	99.976	100	99.976	100	100
Test 5:External Short Circuit 测试 5 外 接短路	Temp, (℃) 温度 (℃)	123.9	122.9	100.0	103.3	111.0	110.2	102.0	94.7	129.3	121.8



	Table2: ☑ Impact 撞击/ □Crush 挤压												
Test 6:    Impact 撞击/   Crush	Sample No, 样品号	C11#	C12#	C13#	C14#	C15#	C16#	C17#	C18#	C19#	C20#		
	OCV prior to test 试验前电压(V)	3.768	3.770	3.770	3.776	3.779	3.775	3.772	3.773	3.772	3.775		
	Temp, (℃) 温度 (℃)	24.2	23.8	23.9	23.6	24.0	24.2	23.8	24.1	23.8	24.0		

	Table 3: Forced discharge / 表 3: 强制放电												
Test 8:	Sample No, 样品号	C16#	C17#	C18#	C19#	C20#	C21#	C22#	C23#	C24#	C25#		
	OCV prior to test 试验前电压(V)	2.957	2.979	2.974	2.979	2.992	2.984	2.966	2.971	2.955	2.963		
discharge 测试8: 强 制放电	Sample No, 样品号	C26#	C27#	C28#	C29#	C30#	C31#	C32#	C33#	C34#	C35#		
制 放电	OCV prior to test 试验前电压(V)	2.952	2.969	2.949	2.971	2.974	2.981	2.982	2.990	2.973	2.958		

<sup>--</sup> End of Report --