





中国认可 国际互认 检测 TESTING CNAS L5138

Rep.No.:TSZ21080279-P01-R01

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检测报告 UN38.3

ame	of sample:	Lithium Battery Pack	
	产品名称:	天湖 锂电池组加加 天	W. C.
Mode	Ⅱ/型号规格:	18650-4S2P	
	Client:	Cognisys, Inc.	
	委托单位:	天湖 7ian 5th 7ian 5th 7ian 5th 7ian 5th 天湖 天湖 天湖 天湖	
Clas	ssification:	Commission Test	100
	检测类别:	が は を を を を を を を を を を を を を	

Shenzhen Tiansu Calibration and Testing Co.,Ltd

深圳天溯计量检测股份有限公司

Shenzhen Tiansu Calibration and Testing Co.,Ltd 深圳天溯计量检测股份有限公司

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UN38.3

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Kep. No.: 13221000213-F01-K01	raye 27 13 rayes
Name of samples: Lithium Battery Pack	Trade mark: -
样品名称: 锂电池组	商标: -
Commissioned by: Cognisys, Inc. 委托单位: /	Commissioner address: 459 Hughes Dr.Traverse City, MI 49696, USA 委托单位地址:
Manufacturer by: Cognisys, Inc. 制造单位:	Manufacturer address: 459 Hughes Dr.Traverse City, MI 49696, USA 制造单位地址: /
Manufacturer's Contact Information 制造商联系信息: Phone:231-943-2425 Email:mwcardwell@cognisys-inc.com	Manufacturer's Web Site 制造商网址: -
Type/Model	shape: Prismatic
型号规格: 18650-4S2P	样品形状: 棱柱形
Appearance color: Blue	Sample size
样品颜色: 蓝色	样品尺寸: T(73.11mm)*W(36.58mm)*L(73.06mm)
Rated info.	Cell quantity
额定信息: 14.8V/5200mAh/76.96Wh	组成电芯数量: 8PCS
Quantity of sample: 30cells+16batteries	Cell mode
样品数量: 30 个电芯+16 个电池	电芯型号:INR18650M26
Limited charge voltage	Cut-off voltage
充电限制电压: 16.8V	放电截止电压:11.0V
Standard charge current	Max continuous charge current
标准充电电流: 1040mA	最大持续充电电流: 5000mA
Standard discharge current	Max continuous discharge current
标准放电电流: 1040mA	最大持续放电电流: 5000mA
Receiving date	Sample identification
接样日期: 2021 年 9 月 23 日	样品标识序号: B01#~B16#,C01#+030# ## / // // // // // // // // // // //
Completing date	Test item: 8 items
完成日期: 2021 年 10 月 03 日	测试项目: 8 项
Test conclusion:	

检测结论:
The Lithium Battery Pack submitted by Cognisys, Inc. are tested according to Section 38.3 of The Seventh Revised Edition of the United Nations Recommendations on the Transport of Dangerous Gods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.7/Section38.3). The test results comply with the relevant requirements of the standard. 由 Cognisys, Inc. 送检的锂电池组,依据联合国《关于危险货物运输的建议书,试验和标准于别》第七修订版第 38.3节进行检测,测试结果符合标准相关要求。

Date of issue:Oct. 09, 2021 签发日期:2021年10月09日

批准 Approved by

段江涛

审核 Reviewed by

主检 Tested by

柳正发

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Description and illustration of the sample:

样品说明及描述:

ш,	m 10 11 1/2 / III TO	• PLAN 5W	Z VIII ← Trail → Trai	
	Test item 测试项目	Sample No. 样品编号	State 大湖 大水态	Remark 备注
A	T.1~T.5	B01#~B04#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
	_{# 5#} 1.1~1.5	B05#~B08#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
	Flan Su	C01#~C05#	C01#~C05# at first cycle at 50% of the design rated capacity; 在第一个循环充电 50%的额定容量;	
	T.6 * WA 7100 54	C06#~C10#	after 25 cycles ending in fully charged at 50% of the design rated capacity; 在第二十五个循环充电 50%的额定容量;	Cell 电芯
	T.7	B09#~B12#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
X 7	yma 1.7 an 54	B13#~B16#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
6	* VIA 71.00 50 T.8	C11#~C20#	at first cycle in fully discharged states; 在第一个循环完全放电;	Cell
4	1.0	C21#~C30#	after 25 cycles ending in fully discharged states; 在第二十五个循环完全放电;	电芯

	occri	ntion	of the	campling	procedure	
u	162011I	Duon	OI LITE	Sampling	procedure	٠.

取样程序的说明:

/

Description of report revision:

报告修订的说明:

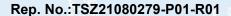
/

Remarks:

备注:

The Lithium Battery Pack submitted by Cognisys, Inc. are small batteries.

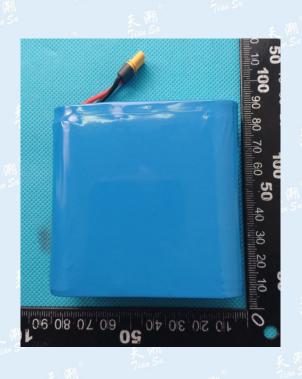
由 Cognisys, Inc.所送的锂电池组是小电池。



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Photos of Battery\电池图片







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Photos of Cell\电芯图片





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38.3.4	Procedure/测记	式步骤				天樹	_		
天湖	Test 1: Altitude simulation/测试 1: 高度模拟								
天棚。	at ambient ten	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℃). 将电芯和电池在温度为 20±5℃,大气压力为不大于 11.6kpa 的环境中贮存不少于 6 个小时。							
7ian 2*	Requirement/		天 ii	A 7/0"	2 湖	7ian Su			
#0 F	1.Cells and ba	tteries Mass Ic	ss limit: ≤0.1%				· 洲		
38.3.4.1	样品质量损	失≤0.1%。				天湖	т ⁵⁴ Р		
30.3.4.1		• 0		•	relating to voltag	e is not			
7ian Su	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芯。								
天湖 Tian Su	3.No leakage, no venting, no disassembly, no rupture and no fire. 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生。								
*************************************	Result 测试结果	天資 Pians	5.4	天湖	qian 54	主潮。	天開 Tian Su		
Sample No.	Before 测记			r Test 试后	Mass loss	Residual OCV	Test result		
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果		
B01#	370.66	16.641	370.66	16.641	0.00	100.00	Р		
B02#	370.78	16.647	370.72	16.645	0.02	99.99	Р		
B03#	370.64	16.639	370.64	16.639	0.00	100.00	7im Sp		
B04#	370.79	16.657	370.79	16.657	0.00	100.00	Р		
B05#	370.66	16.655	370.66	16.655	0.00	100.00	Р		
B06#	370.82	16.654	370.82	16.652	0.00	99.99	Р		
B07#	370.66	16.646	370.62	16.646	0.01	100.00	Р		

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测	试步骤					_	
天潮	Test 2: Therr	mal test/测试 2	: 温度测试		天 洲	- ZEA	Ť	
	Test cells and batteries are to be stored for at least six hours at a test temperature equal to 72±2℃, followed by storage for at least six hours at a test temperature equal to -40±2℃, The maximum time interval between test temperature extremes in 30 minutes, This procedure is to be repeated until 10 total cycles are complete, after which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5℃). 将电芯和电池在温度为 72±2℃的条件下贮存不少于 6 个小时,然后,在温度-40±2℃条件下贮存不少于 6 个小时,两个温度间的间隔最长为 30min,重复操作上述步骤直到 10 次,然后,							
38.3.4.2	将其在环境温度为 20±5℃的条件下放置 24 个小时。 Requirement/标准要求: 1.Cells and batteries Mass loss limit: ≤0.1% . 样品质量损失≤0.1%.							
	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芯。 3.No leakage, no venting, no disassembly, no rupture and no fire. 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生。						F M 7 can Su	
	Result 测试结果	7ian Su	天潮	天M Tian Su	天 70	7ian : an Sa	·" 天寶	
Sample No.	Before test 测试前		After Test 测试后		Mass loss	Residual OCV	Test result	
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果	
B01#	370.66	16.641	370.52	16.545	0.04	99.42	Р	
B02#	370.72	16.645	370.58	16.555	0.04	99.46	Р	
B03#	370.64	16.639	370.45	16.543	0.05	99.42	P	
B04#	370.79	16.657	370.65	16.561	0.04	99.42	Р	
B05#	370.66	16.655	370.52	16.568	0.04	99.48	, P	
B06#	370.82	16.652	370.63	16.556	0.05	99.42	Р	
B07#	370.62	16.646	370.48	16.556	0.04	99.46	Р	
DU1#	d.	2 111		9	- 10% - "		The second	

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测	试步骤	with the same of t	F VIII 7ian Su		天樹	
天湖	Test 3: Vibra	tion/测试 3: 振	动 710454		長潮	71201 - 11	71
7ian 5m Fian 5m Fi	distorting the be a sinusoid Hz traversed each of three 将电芯和电池 加至 200Hz,	cells in such a lal wave form win 15 minutes, Tomutually perpedure 固地安装在标	manner as to fa th a logarithmic This cycle shall ndicular mount 员动台的台面上 刊 7Hz 为一个循	aithfully transmit sweep betwee be repeated 12 ing position of t , 然后开始振动 环,一个循环标	n 7 Hz and 200 l 2 times for a total	ne vibration shall Hz and back to 7 of 3 hours for 形式,以 7Hz 增	天湖 7tan Su (Man Su
天 州 Tian Su	Requirement	\$ \$\delta\	/ 四工/旧初 12 9	(,) (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	7ian 5"	大概	Р
38.3.4.3	1.Cells and b 样品质量 2.Open circui	atteries Mass Io 损失≤0.1%.	ss than 90%, T	ne requirement	relating to voltagates.	e is not	天湖 Tian Su
和				_	要求不适用于完全	è放完电的电池	天湖 Tian Su
天湖 Tian Sa	3.No leakage	e, no venting, no 1)应无漏液、无	1100	-	no fire. 着火现象的发生。	Tian Su	
A	Result 测试结果	1000	天潮。 511.511	7ian Su	展 Pia	洲 , 5"	天渊 Tian Si
Sample No.		re test 试前		r Test 试后	Mass loss	Residual OCV	Test result
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
B01#	370.52	16.545	370.52	16.545	0.00	100.00	Р
B02#	370.58	16.555	370.52	16.552	0.02	99.98	P
B03#	370.45	16.543	370.45	16.543	0.00	100.00	Pus
B04#	370.65	16.561	370.65	16.561	0.00	100.00	Р
B05#	370.52	16.568	370.52	16.568	0.00	100.00	P
B06#	370.63	16.556	370.63	16.554	0.00	99.99	Р
B07#	370.48	16.556	370.42	16.556	0.02	100.00	Р
B08#	370.42	16.567	370.42	16.567	0.00	100.00	P

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/	试步骤					ian >" —	
天湖	Test 4: Shoo	k/测试 4: 冲击	7 ian 5"		天哪.	- 71.0m - 1289	Tia	
フian コー 天 瀬 フian Su 類	to a half-sine smaller) and subjected to smaller) and three shocks	shock of peak a pulse duration of a half-sine of pe pulse duration of in the positive of	acceleration of of 6 millisecond eak acceleration of 11 millisecond direction followe	150gn (or Accel s, large cells an n of 50gn (or Ac ds. Each cell or ed by three shoo	leration(gn)= \(\sum_{0}^{\text{in}} \) Id large batteries celeration(gn)= battery shall be cks in the negative	s shall be $\sqrt{\frac{30000}{mass}}$, which is subjected to	天湖。 Tian Su M Can Su	
38.3.4.4	(或与√(100850) 须经受最大加 每个电池或电	- 中的较小值)的 ɪ速度 50gn (或.	半 <u>正弦</u> 的加速 与 ⁽¹³⁰⁰⁰⁰ 中的较 相垂直的电池	度撞击,脉冲持约 小值)和脉冲持	卖 6 毫秒,大型电 续时间 11 毫秒的	也以峰值为 150gn 已池和大型电池组 约半正弦波冲击。 ,接着在反方向经	P Finsu	
大 Tian Su 来 有	1.Cells and b 样品质量损	Requirement/标准要求: 1.Cells and batteries Mass loss limit: ≤0.1%. 样品质量损失≤0.1%. 2.Open circuit voltage not less than 90%, The requirement relating to voltage is not						
Su 天瀬 7ian Su	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芯。 3.No leakage, no venting, no disassembly, no rupture and no fire. 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生。							
天潮	Result/测试组	吉果	Tian Su	<u> </u>	₩1 - 5«	z MA	7ian Su	
Sample No.	58.6	re test 试前	2/10	r Test 试后	Mass loss	Residual OCV	Test result	
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果	
B01#	370.52	16.545	370.52	16.545	0.00	100.00	Р	
B02#	370.52	16.552	370.45	16.552	0.02	100.00	Р	
B03#	370.45	16.543	370.45	16.543	0.00	100.00	Pian Sa	
B04#	370.65	16.561	370.65	16.558	0.00	99.98	Р	
B05#	370.52	16.568	370.52	16.568	0.00	100.00	P	
B06#	370.63	16.554	370.57	16.554	0.02	100.00	Р	
B07#	370.42	16.556	370.42	16.556	0.00	100.00	Р	
D01#	0.0.12	10.000	0.0	3000		e Tian		

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测试步骤		天 潮	_	
天湖	Test 5: External short ci	rcuit/测试 5:外部短路	M. Tank		
7100 Su 7100 Su 38.3.4.5 M	The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 57±4℃ and then 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℃, the cell or battery must be observed for a further six hour for the test to be concluded. R持试验环境温度稳定在 57±4℃,以使电芯或电池样品外表温度达到 57±4℃,然后,在此温度下,将其正负极用小于 0.1 欧姆的线路短接,待电芯或电池的外表温度恢复到 57±4℃之后再持续 1 小时以上,对电芯或电池必须进一步观察 6 个小时才能下结论。				
	Requirement/标准要求:	美術	文湖 Tian S	v.	
	170℃; 电芯或电池的外壳温度/ 2. No disassembly, no rup	oture and no fire during the test and wi	Rim 71ax Su	天衛 7ian S	
	试验后6小时内无解体、	无破裂、无起火。 ————————————————————————————————————	× MA	7ian Su	
	Result 测试结果				
Sample No. 样品编号	Figur Su Pian Su	Max External Temp 样品表面最高温度(℃)	天開 7ian Sa	Test result 测试结果	
B01#	天湖,	61.5 7ian 54	天瀬 Sian Su	Р	
B02#	文献 7ian 5a 章	61.5	天 Vita Tian Sa	P	
B03#	天湖 7	62.5 7 (au 5 a	天潮	Р	
B04#	- 13A	62.5	M ian Su 来)	Р	
B05#	天湖 7ian 5"	61.2	天潮 [°] 7iai	Р	
B06#	7ias 50	7100 50 61.2 KM	76an Si	Pian	
B07#	7 ian Su	62.3	Time Su	Р	
	2	60.3	nian Su	P	

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38.3.4	Procedure/测试步骤	_
天潮 7ian Su	Test 6: Crush\Impact/ 测试 6: 挤压(不适用) 撞击(适用)	2
	Crush 挤压	美潮 Tian So
	A cell or component cell is to be crushed between two flat surfaces. The crushing is to be gradual with a speed of approximately 1.5 cm/s at the first point of contact. The crushing is to be continued until the first of the three options below is reached.	M ian Su
	(a) The applied force reaches 13kN±0.78kN;	
	(b) The voltage of the cell drops by at least 100 mV;	
	(c) The cell is deformed by 50% or more of its original thickness.	
	Once the maximum pressure has been obtained, the voltage drops by 100mV or more, or the cell is deformed by at least 50% of its original thickness, the pressure shall be released. 电池芯或组成电池芯在两个平面间挤压。挤压在第一个接触点以约 1.5cm/s 的速度慢慢进行,直到下面三个选项之一达到为止:	天 街 Tian S
	(a)作用力达到 13kN±0.78kN;	天湖
	(b)电池芯电压降至少达到 100mV;	7ian >"
	(c)电池厚度和最初比较变形至少 50%。	.55
	一旦达到最大压力, 电压降超过 100 mV 或者电池芯变形超过 50%, 压力应该解除。	A
	Impact 7 in 5 7 in 5 4	a
	撞击	7ian
8.3.4.6	(applicable to cylindrical cells not less than 18mm in diameter)	Р
	The sample cell or component cell is to be placed on a flat smooth surface. A 15.8 mm \pm 0.1 mm diameter, at least 6 cm long, or the longest dimension of the cell, whichever is greater, Type 316 stainless steel bar is to be placed across the centre of the sample. A 9.1 kg \pm 0.1 kg mass is to be dropped from a height of 61 \pm 2.5 cm 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.	天湖 7iau Su H So
	The test sample is to be impacted with its longitudinal axis parallel to the flat surface and perpendicular to the longitudinal axis of the 15.8 mm ± 0.1 mm diameter curved surface lying across the centre of the test sample. Each sample is to be subjected to only a single impact.	F. Tian
	Cells and component cells meet this requirement if their external temperature does not exceed 170°C and there is no disassembly and no fire during the test and within six hours after this test.	天 VAL Tian Su
	(适用于直径不小于 18 毫米的圆柱形电池)将电池或元件电池样品平放在一个平面上,其纵轴平行于测试台面年,将一直径为 15.8 mm ± 0.1 mm 的 316 型不锈钢棒横放在电池中心位置。然后,将一质量为 9.1 kg ± 0.1 kg 的物体从 61±2.5 cm 的高度落向样品。样品在进行试验时,其外表温度应不超过 170℃。且试验结束后 6 个小时之内,样品应无解体、无起火现象发生。	州 S#
	Requirement/标准要求: 1.Cells and component cells meet this requirement if their external temperature does not exceed 170℃; 电芯的外壳温度应不超过 170℃;	天文湖 Tian Sa
	2. No disassembly, no fire during the test and within six hours after this test.	
	试验后6小时内无解体、无起火。	(3)

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N a	Result 测试结果	天州 Tian Su 天湖 Tian Su	7ian >" 天
Sample No. 样品编号	OCV prior to test 试验前电压(V)	Max External Temp 样品表面最高温度(℃)	Test result 测试结果
C01#	3.787 Jun Su	110.5	P-Will
C02#	3.789 × W	71an 54 116.9 71an 54	Р
C03#	3.784	114.9	F P
C04#	3.789	117.4 Km Su	Р
C05#	3.785	118.9	Р
C06#	3.795	110.2 K	Р
C07#	3.792	5 118.2	P tan Su
C08#	3.796	118.5	Р
C09#	3.789	113.5	Tim P
C10#	3.798 £ Wh	118.9 7 cm Su	Р

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测试步骤				
	Test 7: Overcharge/测试 7: 过度充电	if (
7 (au 5 °) 7 (au 5 °) 7 (au 5 °)	When the manufacturer's recommended charge voltage is not more than 18V, the minimular voltage of the test shall be the lesser of two times the maximum charge voltage of the or 22V, whichever is less. When the manufacturer's recommended charge voltage is more than 18V, the charging voltage of the test shall be 1.2 times maximum charge voltage. The charging current is 2 times of the maximum charging current recommended by the manufacturer. 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该是两倍的厂家标定最大	ne M			
Tian Su Fian Su Fian Su Fian Su Fian Su	电电压或者是 22V,取其中较小者。如果厂家推荐的充电电压超过 18V,充电电压应该为 1.2 倍的厂家标定最大充电电压。充电电流为厂家推荐的最大充电电流 2 倍。				
	Requirements/标准要求: No disassembly and no fire during the test and within seven days after the test. 试验样品在试验中和试验后 7 天内,应无解体和无起火现象发生。				
	Result No. 10 Page 19	1000			
	测试结果				
Sample No. 样品编号	测试结果 OCV prior to test 试验前电压(V)	Test result 测试结果			
-	OCV prior to test				
样品编号	OCV prior to test 试验前电压(V)	测试结果			
样品编号 B09#	OCV prior to test 试验前电压(V) 16.633	测试结果			
样品编号 B09# B10#	OCV prior to test 试验前电压(V) 16.633	测试结果 P P			
样品编号 B09# B10# B11#	OCV prior to test 试验前电压(V) 16.633 16.639	测试结果 P P			
样品编号 B09# B10# B11# B12#	OCV prior to test 试验前电压(V) 16.633 16.639 16.631 16.649	测试结果 P P P			
B09# B10# B11# B12# B13#	OCV prior to test 试验前电压(V) 16.633 16.639 16.631 16.649 16.647	测试结果 P P P			

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38.3.4	Procedure/测试步骤	VA	7ian Su	天 VATA Tran Sii	_
天 湖 7 iau Su 7 iau Su 8 38.3.4.8 7 iau Su 天 湖 7 iau Su	initial test current(in ampere). 在 20±5℃的环境温度下,将单	narged at ambin initial current the specified distributed size and rate interval(in horizontal content of the	ent temperature equal to the ma charge current ating in series v ours) equal to it 12V 的直流电》 效电电流,放电	aximum discharge current is to be obtained by connecting with the test cell, Each cell shars rated capacity divided by the 原上进行强制放电,此直流电源时间为额定容量除以初始电流。	ng Tian St
	试验样品在试验中和试验后 7 Result 测试结果	天内,应无解位	本和无起火现象 次 消	发生。 _美 洲。 7ian 5a 7ian 5a 天 洲。 7ian 5a	K WAR Tian Su
Sample No.	OCV prior to test	Test result	Sample No.	OCV prior to test	Test result
K 样品编号	试验前电压 (V)	测试结果	样品编号	试验前电压 (V)	测试结果
1500			263		7 2
样品编号	试验前电压 (V)	测试结果	样品编号	试验前电压 (V)	测试结果
样品编号 C11#	试验前电压 (V)	测试结果 P	样品编号 C21#	试验前电压 (V) 3.131	测试结果
样品编号 C11# C12#	试验前电压 (V) 3.095 3.054	测试结果 P	样品编号 C21# C22#	试验前电压 (V) 3.131 3.106	测试结果 P P
样品编号 C11# C12# C13#	试验前电压 (V) 3.095 3.054 3.059	测试结果 P P	样品编号 C21# C22# C23#	试验前电压 (V) 3.131 3.106 3.065	测试结果 P P
样品编号 C11# C12# C13# C14#	试验前电压 (V) 3.095 3.054 3.059 3.107	测试结果 P P P	样品编号 C21# C22# C23# C24#	试验前电压 (V) 3.131 3.106 3.065 3.056	测试结果 P P P
样品编号 C11# C12# C13# C14# C15#	试验前电压 (V) 3.095 3.054 3.059 3.107 3.074	测试结果 P P P	样品编号 C21# C22# C23# C24# C25#	试验前电压 (V) 3.131 3.106 3.065 3.056 3.116	测试结果 P P P
样品编号 C11# C12# C13# C14# C15# C16#	试验前电压 (V) 3.095 3.054 3.059 3.107 3.074 3.061	测试结果 P P P	样品编号 C21# C22# C23# C24# C25# C26#	试验前电压 (V) 3.131 3.106 3.065 3.056 3.116 3.087	测试结果 P P P P
样品编号 C11# C12# C13# C14# C15# C16# C17#	试验前电压 (V) 3.095 3.054 3.059 3.107 3.074 3.061 3.135	测试结果 P P P P	样品编号 C21# C22# C23# C24# C25# C26# C27#	试验前电压 (V) 3.131 3.106 3.065 3.056 3.116 3.087 3.057	则试结果 P P P P

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STATEMENTS

声明

- 1. The test report is invalid without the official stamp of Tiansu. 本报告无检测单位印章无效。
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