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TEST REPORT Page 2 of 19 UN38.3, Seventh Edition Recommendations on transport of dangerous goods, manual of test and criteria, Section 38.3 - Lithium metal and lithium ion Batteries

Dete efference	0000 04 05							
Date of issue:								
Total number of pages:	7 8 3							
Testing Laboratory	GUANGDONG UTL	CO., LTD.	Q.	- C				
Address:	Lianding Testing Bui Zone, Nancheng Dis			ustrial				
Applicant's name	UltraMax Batteries	Q1>	Qu-					
Address:	Watkins House, Peg	amoid Road, Londoi	n N18 2NG					
		ALL						
Factory's name:	UltraMax Batteries	\odot	0	S				
Auuress	Watkins House, Peg	amoid Road, Londoi	n N18 2NG					
Phone number: +44 (0)	208 803 8899	THE	UTIE .					
Email sales@ultramax.co.uk								
Website: www	/.ultramax.co.uk	A.	<u>.</u>					
Test specification	alle -	appe -	appe	Ś				
Standard:	Standard ST/SG/AC.10/11/Rev.7/Section 38.3							
Test procedure N/A								
Non-standard test method:	N/A							
Test item description:	LITHIUM BATTERY	0,	\bigcirc					
Trade Mark N/A	Ą							
Model/Type reference: 12\	/ 10Ah							
Ratings: 12.	8V, 10Ah, 128Wh							

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Page 3 of 19 Summary of testing: Tests performed (name of test and test clause): **Test Conclusion** Test(s) Conclusion T.1: Altitude simulation Pass T.2: Thermal test Pass T.3: Vibration Pass T.4: Shock Pass T.5: External short circuit Pass T.6: Impact Pass T.7: Overcharge Pass T.8: Forced discharge Pass Sample Status: Test(s) Sample Number Sample Status at first cycle, in fully charged states. SLine-2-1 - SLine-2-4 T.1~T.5 after twenty-fifth cycles ending in fully charged states. SLine-2-5 - SLine-2-8 at first cycle at 50% of the design rated capacity. SineL-1-1 - SineL-1-5 after twenty-fifth cycles ending at 50% of the design rated T.6 capacity. SineL-1-6 - SineL-1-10 at first cycle, in fully charged states. SLine-2-9 - SLine-2-12 T.7 after twenty-fifth cycles ending in fully charged states. SLine-2-13 - SLine-2-16 at first cycle, in fully discharged states. SLine-1-11 - SLine-1-20 T.8 after twenty-fifth cycles ending in fully discharged states. SLine-1-21 - SLine-1-30 The test results: Pass

TEST REPORT

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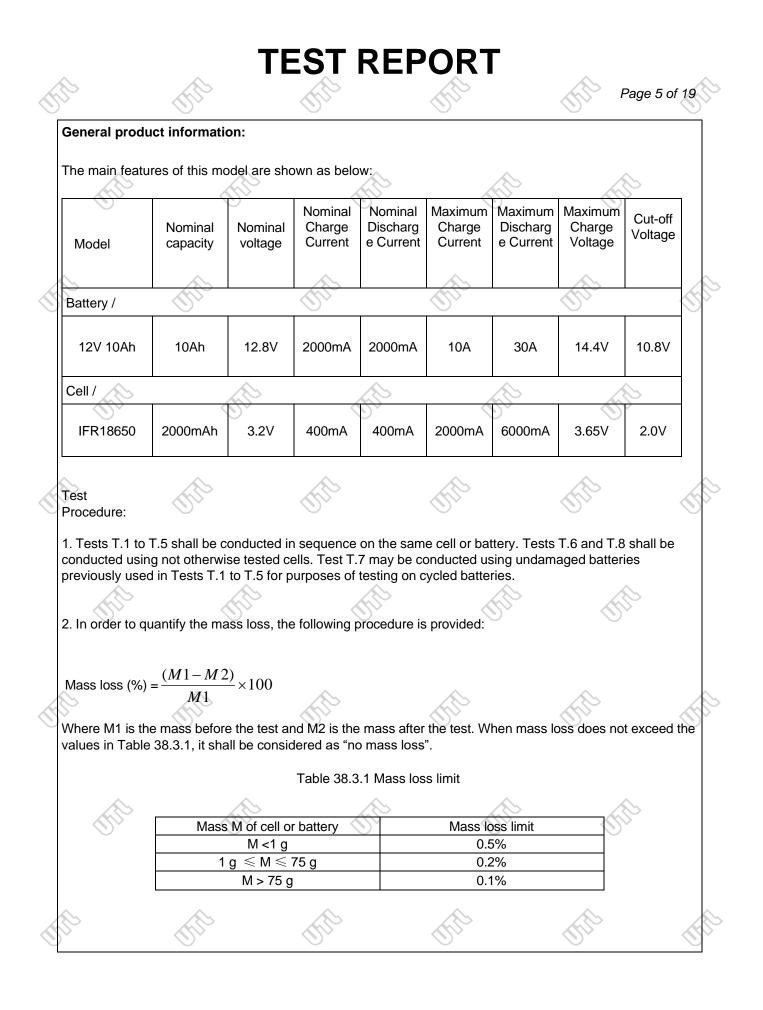
~		FEST F	REPORT	Δ.	
	(FI)	Still -	THE .	Page 4	of 19
Test item particulars					
(The	e of cell		IFR 18050	Star	
Rated Capacity	of cell	~	. [:] 2000mAh	<u>^</u>	
Battery Type		<u> </u>	: Lithium ion battery	at the	Ś
Appearance		:	Black		
Number of cell. Dimension(mm)	Ś	: 20pcs (4S5P) 152.0mm(max) ×65.0mm(r	nax) ×94.0mm(max)	
Test case verdicts Test case does	not apply to the test	object	.: N/A	AND I	
	meet the requiremen not meet the requirer				
Testing					
-	of test item		2022-04-07		
Date(s) of perfo	rmance of test		.: 2022-04-07 to 2022-04-24	ALC: NO	~
General remar	ks	\odot			
This report sha	I not be reproduced,	, except in full, w	ithout the written approval of t	the testing laboratory.	i.
The test results	presented in this rep	port relate only t	o the item tested.	Δ.	
"(see remark #)	" refers to a remark a	appended to the	report.	alle a	
Throughout this	s report a point is use	ed as the decima	al separator.	~	
			tery Pack) is considered a "Co 'Cell". This testing included the		

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est T.1: Altitude simulation est cells and batteries shall essure of 11.6 kPa or less ambient temperature (204 ells and batteries meet this o leakage, no venting, no d ad no fire and if the open c st cell or battery after testin its voltage immediately pr perequirement relating to v oplicable to test cells and b scharged states.	Il be stored at a for at least six 5°C) s requirement if disassembly, no ircuit voltage of ng is not less th ior to this proce voltage is not batteries at fully to be stored for ure equal to 72=	hours f there is o rupture f each han 90% edure.	No leakage, no ve disassembly, no re no fire. See test data for c	upture and	P P	<
essure of 11.6 kPa or less ambient temperature (20± ells and batteries meet this b leakage, no venting, no d ad no fire and if the open c st cell or battery after testin its voltage immediately pr be requirement relating to v oplicable to test cells and b scharged states.	to be stored for ure equal to 72-	hours f there is o rupture f each han 90% edure.	disassembly, no ru no fire.	upture and	P	<
b leakage, no venting, no d nd no fire and if the open c st cell or battery after testin its voltage immediately pr ne requirement relating to oplicable to test cells and b scharged states.	to be stored for ure equal to 72-	o rupture f each han 90% edure.	disassembly, no ru no fire.	upture and	>	<
est cells and batteries are to hours at a test temperature llowed by storage for at lear mperature equal to - 40±2	ure equal to 72	· at least			Р	
x hours at a test temperatu llowed by storage for at lea mperature equal to - 40±2	ure equal to 72	r at least				
terval between test temper inutes. This procedure is to nes, after which all test cell e stored for 24 hours at am °C).	°C. The maxim rature extremes o be repeated Ils and batteries	±2°C, t a test num time s is 30 10 s are to	THE	J.	Ρ	
	AT CONTRACTOR			AND I		
-			,		Ρ	
b leakage, no venting, no d nd no fire and if the open c st cell or battery after testin its voltage immediately pr ne requirement relating to	lisassembly, no ircuit voltage of ng is not less th ior to this proce voltage is not	o rupture f each han 90% edure.	disassembly, no ru no fire.	upture and	Р	
	PC). r large cells and batteries bosure to the test tempera at least 12 hours. Ils and batteries meet this leakage, no venting, no c d no fire and if the open c t cell or battery after testi ts voltage immediately pr e requirement relating to	PC). r large cells and batteries the duration of bosure to the test temperature extremes at least 12 hours. Ils and batteries meet this requirement if leakage, no venting, no disassembly, no d no fire and if the open circuit voltage of t cell or battery after testing is not less th ts voltage immediately prior to this proce e requirement relating to voltage is not	r large cells and batteries the duration of bosure to the test temperature extremes should at least 12 hours. Ils and batteries meet this requirement if there is leakage, no venting, no disassembly, no rupture d no fire and if the open circuit voltage of each t cell or battery after testing is not less than 90% ts voltage immediately prior to this procedure. e requirement relating to voltage is not	PC). r large cells and batteries the duration of bosure to the test temperature extremes should at least 12 hours. Ils and batteries meet this requirement if there is leakage, no venting, no disassembly, no rupture d no fire and if the open circuit voltage of each t cell or battery after testing is not less than 90% ts voltage immediately prior to this procedure. e requirement relating to voltage is not	PC). Tr large cells and batteries the duration of toosure to the test temperature extremes should at least 12 hours. Ills and batteries meet this requirement if there is leakage, no venting, no disassembly, no rupture d no fire and if the open circuit voltage of each t cell or battery after testing is not less than 90% ts voltage immediately prior to this procedure. No leakage, no venting, no disassembly, no rupture See test data for details.	PC). r large cells and batteries the duration of posure to the test temperature extremes should at least 12 hours. Ils and batteries meet this requirement if there is leakage, no venting, no disassembly, no rupture d no fire and if the open circuit voltage of each t cell or battery after testing is not less than 90% ts voltage immediately prior to this procedure. e requirement relating to voltage is not P No leakage, no venting, no disassembly, no rupture and no fire. See test data for details.

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Clause	Requirement + Test	Result - Remark	Verdict
38.3.4.3	Test T.3: Vibration		Р
). Eu	Cells and batteries are firmly secured to the platform of the vibration machine without disto the cells in such a manner as to faithfully trans the vibration. The vibration shall be a sinusoid waveform with a logarithmic sweep between 7 and 200 Hz and back to 7 Hz traversed in 15 minutes. This cycle shall be repeated 12 times a total of 3 hours for each of three mutually perpendicular mounting positions of the cell. C of the directions of vibration must be perpendit to the terminal face.	mit al Hz for	UTTE P
- TH		STAR.	STE
>	The logarithmic frequency sweep shall differ for cells and batteries with a gross mass of not m than 12 kg (cells and small batteries), and for batteries with a gross mass of more than 12 kg (large batteries).	ore	P
	For cells and small batteries: from 7 Hz a peak acceleration of 1 gn is maintained until 18 Hz i reached. The amplitude is then maintained at mm (1.6 mm total excursion) and the frequence increased until a peak acceleration of 8 gn occ (approximately 50 Hz). A peak acceleration of is then maintained until the frequency is increa- to 200 Hz.	s 0.8 y curs 8 gn	P UTIP
J'II	For large batteries: from 7 Hz to a peak acceleration of 1 gn is maintained until 18 Hz is reached. The amplitude is then maintained at mm (1.6 mm total excursion) and the frequence increased until a peak acceleration of 2 gn occ (approximately 25 Hz). A peak acceleration of is then maintained until the frequency is increa- to 200 Hz.	0.8 y curs 2 gn	N/A
>			

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Clause	Requirement + Test	Result - Remark	Verdict
			Voraiot
5	Cells and batteries meet this requirement if there no leakage, no venting, no disassembly, no rupte and no fire during the test and after the test and the open circuit voltage of each test cell or batter directly after testing in its third perpendicular mounting position is not less than 90% of its voltage immediately prior to this procedure. The requirement relating to voltage is not applicable t test cells and batteries at fully discharged states.	ure disassembly, no rupture and if no fire. ^{TY} See test data for details.	
38.3.4.4	Test T.4: Shock		P
Qu	Test cells and batteries shall be secured to the testing machine by means of a rigid mount which will support all mounting surfaces of each test battery.		Р
2	Shock: a half-sine shock of peak acceleration of		Р
onthe	150 g_n (or Acceleration (g_n) = , which smaller) and pulse duration of 6 milliseconds, lar cells and large batteries shall be subjected to a half-sine or peak acceleration of 50 g_n (or Acceleration (g_n) = , which is smaller) a pulse duration of 11 milliseconds	ge	, S
3	UTIP UTIP	THE THE	<
TH	Each cell or battery shall be subjected to three shocks in the positive direction and to three shoc in the negative direction in each of three mutually perpendicular mounting positions of the cell or battery for a total of 18 shocks.		P

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>	UN 38.3		
Clause	Requirement + Test	Result - Remark	Verdict
UTIO S	Cells and batteries meet this requirement if there is no leakage, no venting, no disassembly, no rupture and no fire and if the open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure. The requirement relating to voltage is not applicable to test cells and batteries at fully discharged states.	No leakage, no venting, no disassembly, no rupture and no fire. See test data for details.	P
38.3.4.5	Test T.5: External short circuit		Р
(fill)	The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 57±4°C.	Still Still	> P
5	The cell or battery at 57 \pm 4°C shall be subjected to one short circuit condition with a total external resistance of less than 0.1 ohm. This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to 57 \pm 4°C, or in the case of the large batteries, has decreased by half of the maximum temperature increase observed during the test and		P
(11 ¹³	remains below that value.	Star Star	>
3	Cells and batteries meet this requirement if their external temperature does not exceed 170°C and there is no disassembly, no rupture and no fire during the test and within six hours after the test.	No disassembly, no rupture and no fire. See test data for details. /	P
38.3.4.6	Test T.6: Impact / Crush		P
O,	Test procedure – Impact (applicable to cylindrical cells not less than 18.0 mm in diameter)	Cylindrical cell more than 18.0 mm in diameter	Р

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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	verdict
- Still	The sample cell or component cell is to be placed on a flat smooth surface. A 15.8 mm±0.1mm 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±0.1 kg mass is to be dropped from a height of 61±2.5 cm at the	(THE	P
	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.		<
- ST		Still .	(J ^{E)}
2	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±0.1mm diameter curved surface lying across the centre of the test sample. Each sample is to b subjected to only a single impact.		Р
T	Test Procedure – Crush (applicable to prismatic, pouch, coin/button cells and cylindrical cells less than 18.0 mm in diameter).	Cylindrical cell more than mm in diameter	18.0 N/A
3	A cell or component cell is to be crushed betwee two flat surfaces. The crushing is to be gradual wi a speed of approximately 1.5 cm/s at the first poin of contact. The crushing is to be continued until th first of the three options below is reached.	th the second	N/A
0.	(a) The applied force reaches 13 kN±0.78 kN;	\sim	N/A
	(b) The voltage of the cell drops by at least 100 mV;		N/A
8	(c) The cell is deformed by 50% or more of its		N/A

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	UN 38.3		
Clause	Requirement + Test	Result - Remark	Verdict
TH	A prismatic or pouch cell shall be crushed by applying the force to the widest side. A button/coin cell shall be crushed by applying the force on its flat surfaces. For cylindrical cells, the crush force shall be applied perpendicular to the longitudinal axis.	UTILE UTIL	P
5			
, ,	Each test cell or component cell is to be subjected to one crush only. The test sample shall be observed for a further 6 h. The test shall be conducted using test cells or component cells that have not previously been subjected to other tests.		Р
			>
	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.	No disassembly and no fire. See test data for details.	Р
	The the t		
38.3.4.7	Test T.7: Overcharge		Р
T	The charge current shall be twice the manufacturer's recommended maximum continuous charge current. Tests are to be conducted at ambient temperature. The duration of the test shall be 24 hours. The minimum voltage of the test shall be as follows:	STILL STILL	Ρ
3	(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.	The voltage of the test is 22V, and the current is 20A.	P
A	×		5
Qu	(b) When the manufacturer's recommended charge voltage is more than 18V, the minimum voltage of the test shall be 1.2 times the maximum charge voltage.		N/A
3	There is no disassembly and no fire during the test and within seven days after the test.	No disassembly and no fire. See test data for details.	P

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Clause	Requirement + Test	Result - Remark	Verdict
38.3.4.8	Test T.8: Forced discharge		Р
- Star	Each cell shall be forced discharged at ambient temperature by connecting it in series with a 12V D.C. power supply at an initial current equal to the maximum discharge current specified by the manufacturer.	Chilo (P
	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).		<
and the	Still Still	and a	5 ¹³⁰
~	There is no disassembly and no fire during the test and within seven days after the test.	No disassembly and no fire See test data for details./	. Р



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Test Data

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T.1 (Altitude simulation)

				\sim		/	
Sample	Before test		After	After test		Change ratio	Results
No. –	Mass	Voltage	Mass	Voltage	Mass loss		
SLine-2-1	1118	13.55	1118	13.52	0.000	99.779	Р
SLine-2-2	1117	13.55	1117	13.52	0.000	99.779	Р
SLine-2-3	1118	13.55	1118	13.53	0.000	99.852	Р
SLine-2-4	1118	13.56	1118	13.52	0.000	99.705	Р
SLine-2-5	1117	13.56	1117	13.54	0.000	99.853	Р
SLine-2-6	1117	13.55	1117	13.53	0.000	99.852	Р
SLine-2-7	1118	13.56	1118	13.53	0.000	99.779	Р
SLine-2-8	1118	> 13.56	1118	13.52	0.000	99.705	Р
Note:	Q.		Q.	\odot		Q.	6

Note:

A. Leakage; B. Venting; C. Disassembly; D. Rupture; E. Fire P. No leakage, no venting, no disassembly, no rupture, no fire

T.2 (Thermal test)

	\odot)~	\bigcirc		
Before	e test After test		Mass loss	Change ratio	Results	
Mass (g)	Voltage (V)	Mass (g)	Voltage (V)			
1118	13.52	1117	13.25	0.089	98.003	Р 🏑
1117	13.52	1117	13.30	0.000	98.373	Р
1118	13.53	1118	13.31	0.000	98.374	Р
1118	13.52	1117	13.31	0.089	98.447	S P
1117	13.54	1116	13.31	0.090	98.301	Р
1117	13.53	1117	13.28	0.000	98.152	Р
1118	13.53	1118	13.30	0.000	98.300	Р
1118	3.52	1117	13.30	0.089	98.373	Р
	Mass (g) 1118 1117 1118 1117 1118 1117 1117 1117 1117 1118	(g) (V) 1118 13.52 1117 13.52 1118 13.53 1118 13.52 1118 13.52 1117 13.54 1117 13.53 1117 13.53 1118 13.53 1118 13.53	Mass (g) Voltage (V) Mass (g) 1118 13.52 1117 1117 13.52 1117 1118 13.52 1117 1118 13.52 1117 1118 13.53 1118 1118 13.52 1117 1117 13.54 1116 1117 13.53 1117 1117 13.53 1117 1118 13.53 1117	Mass (g)Voltage (V)Mass (g)Voltage (V)111813.52111713.25111713.52111713.30111813.53111813.31111813.52111713.31111813.52111713.31111713.54111613.31111713.53111713.28111813.53111813.30	Mass (g) Voltage (V) Mass (g) Voltage (V) Mass loss 1118 13.52 1117 13.25 0.089 1117 13.52 1117 13.30 0.000 1118 13.53 1118 13.31 0.000 1118 13.52 1117 13.31 0.000 1118 13.52 1117 13.31 0.000 1118 13.52 1117 13.31 0.000 1117 13.54 1116 13.31 0.090 1117 13.53 1117 13.28 0.000 1118 13.53 1118 13.30 0.000	Mass (g) Voltage (V) Mass (g) Voltage (V) Mass loss Change ratio 1118 13.52 1117 13.25 0.089 98.003 1117 13.52 1117 13.30 0.000 98.373 1118 13.53 1118 13.31 0.000 98.374 1118 13.52 1117 13.31 0.089 98.447 1117 13.54 1116 13.31 0.090 98.301 1117 13.53 1117 13.28 0.000 98.301 1117 13.53 1118 13.30 0.000 98.301 1117 13.53 1117 13.28 0.000 98.301

Note:

A. Leakage; B. Venting; C. Disassembly; D. Rupture; E. Fire P. No leakage, no venting, no disassembly, no rupture, no fire

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Test Data

T.3 (Vibration)

		~			\sim		/	~	
	Sample No.	Before test		After test		Mass loss	Change ratio	Results	
		Mass (g)	Voltage (V)	Mass (g)	Voltage (V)	(%)	(%)		
	SLine-2-1	1117	13.25	1117	13.24	0.000	99.925	Р	0
C	SLine-2-2	1117	13.30	1117	13.28	0.000	99.850	Р	>
	SLine-2-3	1118	13.31	1117	13.28	0.089	99.775	Р	
	SLine-2-4	1117	13.31	1116	13.27	0.090	99.699	Р	
	SLine-2-5	> 1116	13.31	1116	13.29	0.000	99.850	Р	
	SLine-2-6	1117	13.28	1117	13.26	0.000	99.849	Р	
	SLine-2-7	1118	13.30	1117	13.27	0.089	99.774	Р	
	SLine-2-8	1117	> 13.30	1116	13.28	0.090	99.850	Р	\otimes
6	Note	0 ĭ		. O.	\odot	tr.	U.	Q	

Note

A. Leakage; B. Venting; C. Disassembly; D. Rupture; E. Fire P. No leakage, no venting, no disassembly, no rupture, no fire

T.4 (Shock)

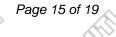
			>			>	
Before test		After test		Mass loss	Change ratio	Results	
Mass (g)	Voltage (V)	Mass (g)	Voltage (V)	(%)	(%)		
1117	13.24	1117	13.22	0.000	99.849	Р 🏑	
1117	13.28	1117	13.25	0.000	99.774	Р	
1117	13.28	1117	13.26	0.000	99.849	Р	
1116	13.27	1116	13.25	0.000	99.849	Р	
1116	13.29	1116	13.25	0.000	99.699	Р	
1117	13.26	1117	13.23	0.000	99.774	Р	
1117	13.27	1117	13.24	0.000	99.774	Р	
1116	> 13.28	1116	13.26	0.000	99.849	Р	
	Mass (g) 1117 1117 1117 1117 1116 1116 1117 1117	Mass (g) Voltage (V) 1117 13.24 1117 13.28 1117 13.28 1116 13.27 1116 13.29 1117 13.26 1117 13.27	Mass (g) Voltage (V) Mass (g) 1117 13.24 1117 1117 13.28 1117 1117 13.28 1117 1117 13.28 1117 1116 13.27 1116 1116 13.29 1116 1117 13.26 1117 1117 13.26 1117	Mass (g)Voltage (V)Mass (g)Voltage (V)111713.24111713.22111713.28111713.25111713.28111713.26111613.27111613.25111613.29111613.25111713.26111713.23111713.26111713.24	Mass (g) Voltage (V) Mass (g) Voltage (V) Mass loss (%) 1117 13.24 1117 13.22 0.000 1117 13.28 1117 13.25 0.000 1117 13.28 1117 13.26 0.000 1117 13.28 1117 13.26 0.000 1116 13.27 1116 13.25 0.000 1116 13.29 1116 13.25 0.000 1117 13.26 1117 13.23 0.000 1117 13.27 1116 13.25 0.000 1117 13.26 1117 13.23 0.000	Mass (g) Voltage (V) Mass (g) Voltage (V) Mass loss (%) Change ratio (%) 1117 13.24 1117 13.22 0.000 99.849 1117 13.28 1117 13.25 0.000 99.774 1117 13.28 1117 13.26 0.000 99.849 1116 13.27 1116 13.25 0.000 99.849 1116 13.27 1116 13.25 0.000 99.849 1116 13.27 1116 13.25 0.000 99.849 1117 13.28 1117 13.26 0.000 99.849 1116 13.27 1116 13.25 0.000 99.849 1117 13.26 1117 13.25 0.000 99.699 1117 13.26 1117 13.23 0.000 99.774 1117 13.27 1117 13.24 0.000 99.774	

Note

A. Leakage; B. Venting; C. Disassembly D. Rupture; E. Fire

P. No leakage, no venting, no disassembly, no rupture, no fire





T.5 (External short circuit)

Sample No.	Total circuit Resistance (mΩ)	Maximum Temperature, °C (°C)	Results
SLine-2-1	69.3	56.4	Р
SLine-2-2	66.8	56.3	Р
SLine-2-3	74.2	56.2	Р
SLine-2-4	71.9	56.1	Р
SLine-2-5	75.6	56.3	Р
SLine-2-6	81.2	56.2	Р
SLine-2-7	77.5	56.4	P
SLine-2-8	80.1	56.4	Р

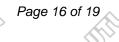
T.6 (Impact)

Sample No.	Voltage before Test (V)	Maximum Temperature, °C	Results
SineL-1-1	3.297	19.8	Р
SineL-1-2	3.298	23.1	Р
SineL-1-3	3.299	20.5	P
SineL-1-4	3.295	20.6	Р
SineL-1-5	3.299	22.0	Р
SineL-1-6	3.299	21.1	Р
SineL-1-7	3.296	99.0	P
SineL-1-8	3.301	21.4	P
SineL-1-9	3.297	21.3	Р
SineL-1-10	3.300	21.3	Р
Note: A. Disassembly; B. P. No disassembly	Fire , no fire within 6 hours after the t	est	









T.7 (Overcharge)

Sample No.	Voltage before (V)	Voltage before Test (V)		
SLine-2-9	13.51		Р	
SLine-2-10	13.49		Р	
SLine-2-11	13.48		Р	
SLine-2-12	13.53	\odot	Р	
SLine-2-13	13.50		Р	
SLine-2-14	13.52		Р	
SLine-2-15	13.49		P	
SLine-2-16	13.52	0	Р	

T.8 (Forced discharge)

	Sample No.	Voltage before Test (V)	Sample No.	Voltage before Test (V)	Results
	SLine-1-11	3.294	SLine-1-21	3.292	Р
	SLine-1-12	3.292	SLine-1-22	3.295	Р
	SLine-1-13	3.289	SLine-1-23	3.296	P P
2	SLine-1-14	3.295	SLine-1-24	3.295	Р
	SLine-1-15	3.291	SLine-1-25	3.294	Р
ſ	SLine-1-16	3.289	SLine-1-26	3.294	Р
	SLine-1-17	3.296	SLine-1-27	3.288	P
	SLine-1-18	3.291	SLine-1-28	3.291	Р
	SLine-1-19	3.287	SLine-1-29	3.287	Р
ľ	SLine-1-20	3.290	SLine-1-30	3.294	Р
3	Note: A. Disassembly; B. P. No disassembly, n	Fire o fire within seven day	s after the test	fill (



Figure 1 Overall view I of battery

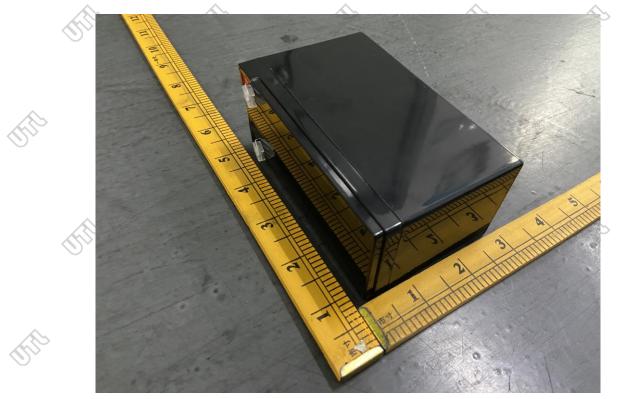


Figure 2 Overall view II of battery

GT.

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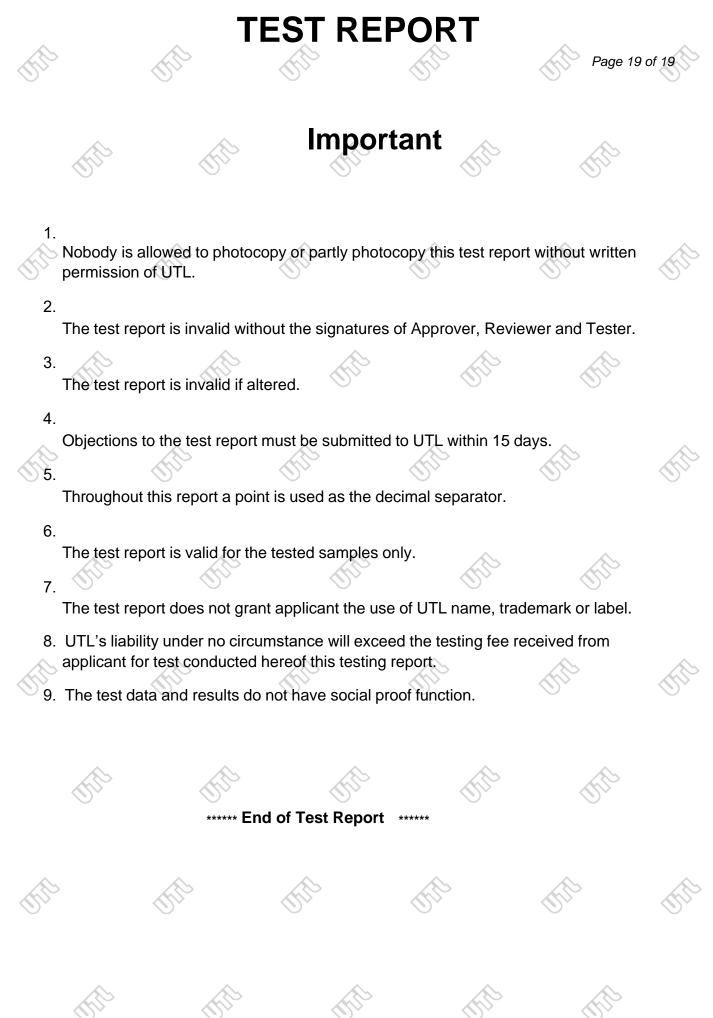


Figure 3 Overall view of cell



Figure 4 Battery Label

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