TEST REPORT

ST/SG/AC.10/11Rev.4

AMENDMENTS TO THE THIRD REVISED EDITION OF THE RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS, MANUAL OF TEST AND CRITERIA

(Section 38.3: Lithium batteries)

Report reference No ,.....:	STR10098014S
Tested by (name+ signature) .....:	Fred zou
Approved by (+ signature) .....:	Ailis Ma
Date of issue .....:	Sep. 13, 2010
Testing laboratory .....:	SEM.Test Compliance Service Co., Ltd.
Address .....:	3/F, Jinbao Commerce Building, Xin'an Fanshen Road, Bao'an District, Shenzhen, P.R.C. (518101)
Testing location .....:	As above
Applicant .....:	GlobTek, Inc.
Address .....:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer	GlobTek (Suzhou) Co., Ltd.
Address .....:	1. Building 4, No.76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, Jiangsu 215021, China
Standard .....:	**ST/SG/AC.10/11Rev.4 section 38.3**
Test procedure .....:	Type approved
Procedure deviation .....:	N.A.
Non-standard test method .....:	N.A.

This test report is specially limited to the above client company and product model only, It may not be duplicated without prior written consent of SEM,Test,

Product Name .....:	Lithium Polymer Battery
Trademark .....:	-
Model/type reference .....:	2G-523450-G2107
Ratings .....:	3.7– 4.2V, 2000mAh(7.4Wh)

Particulars: test item vs. test requirements	
Classification …….....:	Small Battery
Dimension ..…….…….....:	L : 51.9mm W: 42.6mm T : 14.2mm
Packing Material…….:	ABS
Shape ……..……..:	Prismatic
Mass of apparatus ...……..…..…..…:	50g
Test Item:	
Test 1: Altitude simulation	P
Test 2: Thermal Test	P
Test 3: Vibration	P
Test 4: Shock	P
Test 5: External short circuit	P
Test 6: Impact	P
Test 7: Overcharge	P
Test 8: Forced Discharge	N (No need for batteries.)
Possible test case verdicts:	
- test case does not apply to the test object……:	N(.A.)
- test object does meet the requirement……..…:	P(ass)
- test object does not meet the requirement ……..…:	F(ail)
Testing:	
Date of receipt of test item ……....:	Sep. 03, 2010
Date(s) of performance of test ……..:	Sep. 03, 2010- Sep. 11, 2010

Test Conclusion:

The Lithium Polymer Battery submitted by GlobTek (Suzhou) Co., Ltd. is tested according to Section 38.3 of Amendments to the Fourth Revised Edition of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.4).

Test Result: Pass.

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3	**Lithium batteries**		**P**
38.3.1	**Purpose**		**P**
	This section presents the procedures to be followed for the classification of lithium cells and batteries.		-
38.3.2	**Scope**		P
38.3.2.1	Lithium cells or batteries which differ from a tested type by:		P
	a) A Change of more than 0.1g or 20% by mass, whichever is greater, to the cathode, to the anode, or to the electrolyte;		-
	b) A Change that would materially affect the test results.		-
38.3.2.2	For the purposes of classification, the following definitions apply:		P
	NOTE: Units that are commonly referred to as ”battery packs” having the primary function of providing a source of power to another piece of equipment are for purposes of these regulations treated as batteries.		-
38.3.3	**When a cell or battery type is to be tested under this sub-section, the number and condition of cells and batteries of each type to be tested are as follows:**	Tests 1 to 5 must be conducted in sequence on the same battery,	**P**
	a) When testing primary cells and batteries under tests 1 to 5, the following shall be tested:		N
	Ten cells in undischarged states,		N
	Ten cells in fully discharged states,		N
	Four batteries in undischarged states		N
	Four batteries in fully discharged states		N
	b) when testing rechargeable cells and batteries under tests 1 to 5 the following shall be tested:		P
	Ten cells, at first cycle, in fully charged states.		N
	Ten cells, at first cycle, in fully discharged states.		N
	Four batteries, at first cycle, in fully charged states.		P
	Four batteries, at first cycle, in fully discharged states.		P
	Four batteries after fifty cycles ending in fully charged states.		P
	Four batteries after fifty cycles ending in fully discharged states.		P
	c) Testing primary and rechargeable cells under test 6(Impact) tested		P
	For primary cells, five cells in undischarged states and five cells in fully discharged states		N
	For component cells of primary batteries, Five cells in undischarged states and five cells in fully discharged states.		N

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
	for rechargeable cells, five cells at first cycle at 50% of the design rated capacity and firve cells after 50 cycles ending in fully discharged states.		N
	For components cells of rechargeable batteries, five cells at first cycle at 50% of the design rated capacity and five cells after 50 cycles ending in fully discharged states.		P
	For prismatic cells, ten test cells are required for each of the states of charge being tested, instead of the five described above, so that the procedure can be carried out on five cells along the longitudinal axes and, separately, five cells along the other axes.		P
	d) Testing rechargeable batteries under test 7(Overcharge), the following shall be tested:		P
	Four rechargeable batteries, at first cycle, in fully charged states.		P
	Four rechargeable batteries, after fifty cycle ending in fully charged states.		P
	e) testing primary and rechargeable cells under test 8(Forced Discharge)		N
	Ten primary cells in fully discharged states.	This is rechargeable batteries.	N
	Ten rechargeable cells, at first cycle in fully discharged states		N
	Ten rechargeable cells after fifty cycles ending in fully discharged states.		N

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4	**Procedure**		**P**
	Test 1 to 5 must be conducted in sequence. Test 6 and 8 should be conducted using not otherwise tested cells or batteries		P
	Test 6 and 8 should be conducted using not otherwise tested cells or batteries		P
	Test 7 may be conducted using undamaged batteries previously used in tests 1 to 5 for purposes of testing on cycled batteries		P
38.3.4.1	**Test 1: Altitude Simulation**		**P**
38.3.4.1.1	Purpose		P
	This test simulates air transport under low-pressure conditions.		-
38.3.4.1.2	Test procedure		P
	stored at a pressure	11.6 kPa	-
	ambient temperature (20 ± 5 °C).	24°C	-
	Stored times(> 6 hours)	8 hours.	-
38.3.4.1.3	Requirement		P
	Cells and batteries meet this requirement if there is no mass loss, 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 mass loss, no leakage, no venting, no disassembly, no rupture and no fire. battery after testing is not less than 90% of its voltage immediately prior to this procedure.	P

Group	**No.**	**Mass M of Test Battery (g)**			**OCV (V)**		
		M1 (before the test)	M2 (after the test)	Mass Loss limit (0.1%)	OCV1 (before the test)	OCV2 (after the test)	OCV (≥90%)
Group A (at first cycle, in fully charged states)	01	50.00g	50.00g	0.00%	3.932	3.932	100.0%
	02	50.00g	50.00g	0.00%	3.934	3.934	100.0%
	03	50.00g	50.00g	0.00%	3.933	3.933	100.0%
	04	50.00g	50.00g	0.00%	3.934	3.934	100.0%
Group B (after fifty cycles ending in fully charged states)	05	50.00g	50.00g	0.00%	3.930	3.930	100.0%
	06	50.00g	50.00g	0.00%	3.932	3.932	100.0%
	07	50.00g	50.00g	0.00%	3.933	3.933	100.0%
	08	50.00g	50.00g	0.00%	3.932	3.932	100.0%
Group C (at first cycle, in fully discharged states)	01	50.00g	50.00g	0.00%	-	-	-
	02	50.00g	50.00g	0.00%	-	-	-
	03	50.00g	50.00g	0.00%	-	-	-
	04	50.00g	50.00g	0.00%	-	-	-
Group D (after fifty	05	50.00g	50.00g	0.00%	-	-	-

ST/SG/AC.10/11Rev.4 section 38.3							
Clause	**Requirement – Test**				**Result - Remark**		**Verdict**
cycles ending in fully discharged states)	06	50.00g	50.00g	0.00%	-	-	-
	07	50.00g	50.00g	0.00%	-	-	-
	08	50.00g	50.00g	0.00%	-	-	-

Remark

1. Mass loss (%)=(M1-M2)/M1*100% (Where M_1 is the mass before the test and M_2 is the mass after the test)
2. When mass loss does not exceed the value in Table: Mass loss limit, it shall be considered as "no mass loss".
3. the OCV of each test cell after testing is not less than 90% of its voltage immediately prior to this procedure.
4. Ambient temperature: 24℃

Conclusion:

Lithium Polymer Battery had passed altitude simulation test.

ST/SG/AC.10/11 Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.2	**Test 2: Thermal Test**		**P**
38.3.4.2.1	Purpose		-
	This test assesses cell and battery seal integrity and internal electrical connections. The test is conducted using rapid and extreme temperature changes.		-
38.3.4.2.2	Test procedure		P
	Test tempertature and stored hours	1) 75 °C , ≥6h 2) -40 °C, ≥6h	-
	The maximum time interval	between test temperature extremes is 30 minutes.	-
	Test times	repeated 10 times	-
	After which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5°C)	24°C	-
	For large cells and batteries the duration of exposure to the test temperature extremes should be at least 12 hours.	Small battery	N
38.3.4.2.3	Requirement		P
	Cells and batteries meet this requirement if there is no mass loss, 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 mass loss, no leakage, no venting, no disassembly, no rupture and no fire. battery after testing is not less than 90% of its voltage immediately prior to this procedure.	P

Group	**No.**	**Mass M of Test Battery (g)**			**OCV (V)**		
		M1 (before the test)	M2 (after the test)	Mass Loss limit (0.1%)	OCV1 (before the test)	OCV2 (after the test)	OCV (≥90%)
Group A (at first cycle, in fully charged states)	01	50.00g	50.00g	0.00%	3.932	3.916	99.59%
	02	50.00g	50.00g	0.00%	3.934	3.916	99.54%
	03	50.00g	50.00g	0.00%	3.933	3.918	99.62%
	04	50.00g	50.00g	0.00%	3.934	3.913	99.47%
Group B (after fifty cycles ending in fully charged states)	05	50.00g	50.00g	0.00%	3.930	3.908	99.44%
	06	50.00g	50.00g	0.00%	3.932	3.905	99.31%
	07	50.00g	50.00g	0.00%	3.933	3.913	99.49%
	08	50.00g	50.00g	0.00%	3.932	3.914	99.54%
Group C (at first cycle, in fully discharged states)	01	50.00g	50.00g	0.00%	-	-	-
	02	50.00g	50.00g	0.00%	-	-	-
	03	50.00g	50.00g	0.00%	-	-	-
	04	50.00g	50.00g	0.00%	-	-	-
Group D (after fifty cycles ending in fully discharged states)	05	50.00g	50.00g	0.00%	-	-	-
	06	50.00g	50.00g	0.00%	-	-	-
	07	50.00g	50.00g	0.00%	-	-	-
	08	50.00g	50.00g	0.00%	-	-	-

Remark

1. Mass loss (%)=(M1-M2)/M1*100% (Where M_1 is the mass before the test and M_2 is the mass after the test)
2. When mass loss does not exceed the value in Table: Mass loss limit, it shall be considered as "no mass loss".
3. the OCV of each test cell after testing is not less than 90% of its voltage immediately prior to this procedure.
4. Ambient temperature 24℃

Conclusion:

Lithium Polymer Battery had passed thermal test.

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.3	**Test 3: Vibration**		**P**
38.3.4.3.1	Purpose		P
	This test simulates vibration during transport.		-
38.3.4.3.2	Test procedure		P
	Cells and batteries are firmly secured to the platform of the vibration machine without distorting the cells in such a manner as to faithfully transmit the vibration.		-
	The vibration shall be a sinusoidal waveform with a logarithmic		P
	Duration	15min	-
	Frequency range	7Hz.....200Hz.....7Hz	-
	Amplitude	0.8mm	-
	This cycle shall be repeated 12 times for a total of 3 hours for each of three mutually perpendicular mounting positions of the cell.		-
38.3.4.3.3	Requirement		P
	Cells and batteries meet this requirement if there is no mass loss, 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.	There is no mass loss, no leakage, no venting, no disassembly, no rupture and no fire.	P

Group	**No.**	**Mass M of Test Battery (g)**			**OCV (V)**		
		M1 (before the test)	M2 (after the test)	Mass Loss limit (0.1%)	OCV1 (before the test)	OCV2 (after the test)	OCV (≥90%)
Group A (at first cycle, in fully charged states)	01	50.00g	50.00g	0.00%	3.916	3.916	100.0%
	02	50.00g	50.00g	0.00%	3.916	3.916	100.0%
	03	50.00g	50.00g	0.00%	3.918	3.918	100.0%
	04	50.00g	50.00g	0.00%	3.913	3.913	100.0%
Group B (after fifty cycles ending in fully charged states)	05	50.00g	50.00g	0.00%	3.908	3.908	100.0%
	06	50.00g	50.00g	0.00%	3.905	3.905	100.0%
	07	50.00g	50.00g	0.00%	3.913	3.913	100.0%
	08	50.00g	50.00g	0.00%	3.914	3.914	100.0%
Group C (at first cycle, in fully discharged states)	01	50.00g	50.00g	0.00%	-	-	-
	02	50.00g	50.00g	0.00%	-	-	-
	03	50.00g	50.00g	0.00%	-	-	-
	04	50.00g	50.00g	0.00%	-	-	-
Group D (after fifty cycles ending in fully discharged states)	05	50.00g	50.00g	0.00%	-	-	-
	06	50.00g	50.00g	0.00%	-	-	-
	07	50.00g	50.00g	0.00%	-	-	-
	08	50.00g	50.00g	0.00%	-	-	-
Remark							

1. Mass loss (%)=(M1-M2)/M1*100% (Where M_1 is the mass before the test and M_2 is the mass after the test)
2. When mass loss does not exceed the value in Table: Mass loss limit, it shall be considered as "no mass loss".
3. the OCV of each test cell after testing is not less than 90% of its voltage immediately prior to this procedure.
4. Ambient temperature: 23℃

Conclusion:

Lithium Polymer Battery had passed vibration test.

ST/SG/AC.10/Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.4	**Test 4: Shock**		**P**
38.3.4.4.1	Purpose		P
	This test simulates possible impacts during transport.		-
38.3.4.4.2	Test procedure		P
	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	This is small batteries.	-
	a half-sine shock of peak acceleration	150 g_n	-
	pulse duration	6ms	-
	the positive direction followed	three times shocks	-
	Each cell or battery shall be subjected to three shocks in the positive direction followed by three shocks in the negative direction of three mutually perpendicular mounting positions of the cell or battery for a total of 18 shocks.		-
38.3.4.4.3	Requirement		P
	Cells and batteries meet this requirement if there is no mass loss, 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.	There is no mass loss, no leakage, no venting, no disassembly, no rupture and no fire.	P

Group	**No.**	**Mass M of Test Battery (g)**			**OCV (V)**		
		M1 (before the test)	M2 (after the test)	Mass Loss limit (0.1%)	OCV1 (before the test)	OCV2 (after the test)	OCV (≥90%)
Group A (at first cycle, in fully charged states)	01	50.00g	50.00g	0.00%	3.916	3.916	100.0%
	02	50.00g	50.00g	0.00%	3.916	3.916	100.0%
	03	50.00g	50.00g	0.00%	3.918	3.918	100.0%
	04	50.00g	50.00g	0.00%	3.913	3.913	100.0%
Group B (after fifty cycles ending in fully charged states)	05	50.00g	50.00g	0.00%	3.908	3.908	100.0%
	06	50.00g	50.00g	0.00%	3.905	3.905	100.0%
	07	50.00g	50.00g	0.00%	3.913	3.913	100.0%
	08	50.00g	50.00g	0.00%	3.914	3.914	100.0%
Group C (at first cycle,in fully discharged states)	01	50.00g	50.00g	0.00%	-	-	-
	02	50.00g	50.00g	0.00%	-	-	-
	03	50.00g	50.00g	0.00%	-	-	-
	04	50.00g	50.00g	0.00%	-	-	-
Group D (after fifty cycles ending in fully discharged states)	05	50.00g	50.00g	0.00%	-	-	-
	06	50.00g	50.00g	0.00%	-	-	-
	07	50.00g	50.00g	0.00%	-	-	-
	08	50.00g	50.00g	0.00%	-	-	-

Remark

1. Mass loss (%)=(M1-M2)/M1*100% (Where M_1 is the mass before the test and M_2 is the mass after the test)
2. When mass loss does not exceed the value in Table: Mass loss limit, it shall be considered as "no mass loss".
3. the OCV of each test cell after testing is not less than 90% of its voltage immediately prior to this procedure.
4. Ambient temperature: 24℃

Conclusion:

Lithium Polymer Battery had passed shock test.

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.5	**Test 5: External Short Circuit**		**P**
38.3.4.5.1	Purpose		P
	This test simulates an external short circuit.		P
38.3.4.5.2	Test procedure		P
	The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 55 °C		-
	Short circuit condition with a total External resistance of less than 0.1Ω		-
	The cell or battery must be observed for a further six hours for the test to be concluded.		-
	This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to 55°C		-
38.3.4.5.3	Requirement		P
	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 within six hours of this test.	Battery external temperature does not exceed 170 °C, and there is no disassembly, no fire and no rupture within six hours of this test	P

Group	**No.**	**External Highest Temperature (℃)**	**Criteria**	**Result**
Group A (at first cycle,in fully charged states)	01	56.7℃	Battery external temperature does not exceed 170 °C, and there is no disassembly, no fire and no rupture within six hours of this test	P
	02	56.5℃		P
	03	56.3℃		P
	04	56.4℃		P
Group B (after fifty cycles ending in fully charged states)	05	56.8℃		P
	06	56.3℃		P
	07	55.4℃		P
	08	56.2℃		P
Group C (at first cycle,in fully discharged states)	01	56.4℃	Battery external temperature does not exceed 170 °C, and there is no disassembly, no fire and no rupture within six hours of this test	P
	02	56.1℃		P
	03	56.5℃		P
	04	56.8℃		P
Group D (after fifty cycles ending in fully discharged states)	05	56.3℃		P
	06	56.4℃		P
	07	56.2℃		P
	08	56.8℃		P
Ambient temperature: 23℃				

Conclusion:

Lithium Polymer Battery had passed external short circuit test.

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.6	**Test 6: Impact**	The test sample Component cell of rechargeable batteries.	**P**
38.3.4.6.1	Purpose		P
	This test simulates an impact.		P
38.3.4.6.2	Test procedure		P
	- Dropped height	61±2.5cm,	-
	- mass	9.1Kg	-
	- diameter bar	15.8mm	-
	- Impact position: Prismatic cell is to be impacted with its longitudinal axis parallel to the flat surface and perpendicular to the longitudinal axis of the 15.8 mm diameter curved surface lying across the centre of the test sample, Prismatic cell is also to be rotated 90 degrees around its longitudinal axis so that both the wide and narrow sides will be subjected to the impact.		P
38.3.4.6.3	Requirement		P
	Cells and component cells meet this requirement if their external temperature does not exceed 170℃ and there is no disassmbly and no fire within six hours of this test.	After the test, The, component Cells external temperature does not exceed 170℃ and there is no disassembly and no fire within six hours of this test.	P

Group	**No.**	**Component cells external temperature (℃)**	**Criteria**	**Result**
Group A, at first cycle at 50% of the design rated capacity (Horizontal)	01	25.6℃	The component Cells external temperature does not exceed 170℃ and there is no disassembly and no fire within six hours of this test.	P
	02	25.3℃		P
	03	25.4℃		P
	04	25.5℃		P
	05	25.8℃		P
Group B, at first cycle at 50% of the design rated capacity (Vertical)	06	25.1℃		P
	07	26.2℃		P
	08	25.7℃		P
	09	25.2℃		P
	10	25.3℃		P
Group C, after 50 cycles ending in fully discharged states (Horizontal)	11	25.4℃	The component Cells external temperature does not exceed 170℃ and there is no disassembly and no fire within six hours of this test.	P
	12	25.5℃		P
	13	25.2℃		P
	14	25.4℃		P
	15	25.6℃		P

Group D, after 50 cycles ending in fully discharged states (Vertical)	16	25.7℃	The component Cells external temperature does not exceed 170℃ and there is no disassembly and no fire within six hours of this test.	P
	17	25.2℃		P
	18	25.5℃		P
	19	25.4℃		P
	20	25.2℃		P
Ambient temperature: 24.0℃				

Conclusion:

Lithium Polymer Battery had passed Impact test.

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.7	**Test 7: Overcharge**		**P**
38.3.4.7.1	Purpose		P
	This test evaluates the ability of a rechargeable battery to withstand an overcharge condition.		-
38.3.4.7.2	Test procedure		P
	The charge current	2×1000=2000mA, Twice the manufacturer's recommended maximum continuous charge current	P
	The minimum voltage:		P
	a) the minimum voltage of the test (The manufacturer's recommended charge voltage is not more than 18V).	2×4.2=8.4V, the lesser of two times the maximum charge voltage of the battery or 22V,	P
	b) the minimum voltage of the test (The manufacturer's recommended charge voltage is more than 18V).		N
	Ambient temperature.	24℃	-
	The duration of the test.	24 hours	-
38.3.4.7.3	Requirement		P
	Rechargeable batteries meet this requirement if there is no disassembly and no fire within seven days of the test.	There is no disassembly and no fire within seven days of the test.	P

Group	**No.**	**Criteria**	**Result**
Group A (at first cycle,in fully charged states)	01	There is no disassembly and no fire within seven days of the test.	P
	02		P
	03		P
	04		P
Group B (after fifty cycles ending in fully charged states)	05		P
	06		P
	07		P
	08		P
Ambient temperature: 24℃			

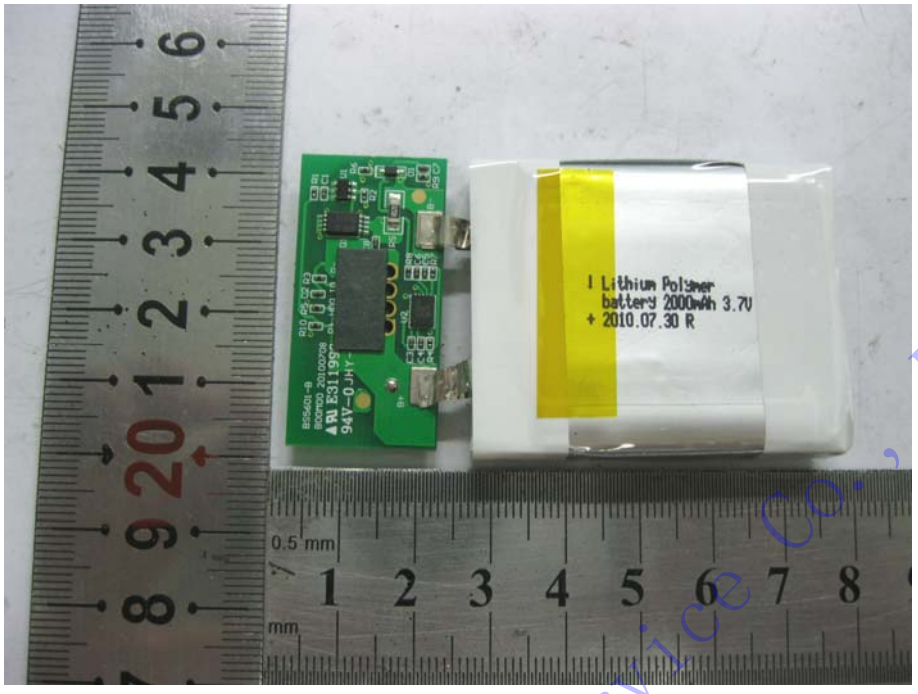
Conclusion:

Lithium Polymer Battery had passed overcharge test.

ST/SG/AC.10/11Rev.4 section 38.3			
Clause	**Requirement – Test**	**Result - Remark**	**Verdict**
38.3.4.8	**Test 8: Forced discharge**	**This is rechargeable batteries.**	**N**
38.3.4.8.1	Purpose		N
	This test evealuates the ability of a primary or a rechargeable cell to withstand a forced discharge condition.		-
38.3.4.8.2	Test procedure		N
	Each cell shall be forced discharged at ambient temperature by connecting it in series with a 12 V DC, power supply at an initial current equal to the maximum discharge current specified by the manufacturer.		N
	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)		N
38.3.4.8.3	Requirement		N
	Primary or rechargeable cells meet this requirement if there is no disassembly and no fire within seven day of the test.		N

Photos

Model: 2GL-523450-G2107



******* End of Report *******