



Test Report issued under the responsibility of:



**TEST REPORT  
IEC 62133**

**Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications**

Report Number..... : 17046128 002

Date of issue ..... : 2015-11-30

Total number of pages ..... 6 pages

Applicant's name ..... : GlobTek, Inc.

Address ..... : 186 Veterans Dr. Northvale, NJ 07647, USA

**Test specification:**

Standard ..... : IEC 62133: 2012 (Second Edition)

Test procedure..... : CB Scheme

Non-standard test method ..... : N/A

Test Report Form No..... : IEC62133B

Test Report Form(s) Originator.... : UL(Demko)

Master TRF ..... : Dated 2013-03

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**This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.**

Test item description..... : Rechargeable Li-polymer Battery

Trade Mark..... : N/A

Manufacturer ..... : GlobTek, Inc.

Address ..... : 186 Veterans Dr. Northvale, NJ 07647, USA

Model/Type reference..... : BL0105F2635161S1PC\*T (\*= A, B, C, J, K, L, M, N, P, T, U, V, 1, 2, 3, Q)

Ratings..... : 3.7Vdc, 105mAh, 0.388Wh

<b>Testing procedure and testing location:</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	TÜV Rheinland (Shenzhen) Co., Ltd.
<b>Testing location/ address .....</b>		East of F/1, F/2~F/4, Building 1, Cybio Technology Building No. 6 Langshan No.2 Road, North Hi-tech Industry Park 518057 Shenzhen Nanshan District CHINA
<input type="checkbox"/>	<b>Associated CB Testing Laboratory:</b>	
<b>Testing location/ address .....</b>		
	<b>Tested by (name + signature).....:</b>	Crystal Ye <i>Crystal Ye</i>
	<b>Approved by (name + signature) .....</b>	Jacob Lu <i>Jacob Lu</i>
<input type="checkbox"/>	<b>Testing procedure: TMP</b>	
<b>Testing location/ address .....</b>		
	<b>Tested by (name + signature).....:</b>	
	<b>Approved by (name + signature) .....</b>	
<input type="checkbox"/>	<b>Testing procedure: WMT</b>	
<b>Testing location/ address .....</b>		
	<b>Tested by (name + signature).....:</b>	
	<b>Witnessed by (name + signature) .....</b>	
	<b>Approved by (name + signature) .....</b>	
<input type="checkbox"/>	<b>Testing procedure: SMT</b>	
<b>Testing location/ address .....</b>		
	<b>Tested by (name + signature).....:</b>	
	<b>Approved by (name + signature) .....</b>	
	<b>Supervised by (name + signature)....:</b>	

<b>List of Attachments (including a total number of pages in each attachment):</b> See origin report 17046128 001 for detail.	
<b>Summary of testing:</b>	
<b>Tests performed (name of test and test clause):</b> N/A	<b>Testing location:</b> <b>TÜV Rheinland (Shenzhen) Co., Ltd.</b> East of F/1, F/2~F/4, Building 1, Cybio Technology Building No. 6 Langshan No.2 Road, North Hi-tech Industry Park 518057 Shenzhen Nanshan District CHINA
<b>Summary of compliance with National Differences:</b> BE, BY, CH, CN, DE, DK, FI, FR, GB, HU, JP, KR, NL, NO, SE, SG. BE=Belgium, BY=Belarus, CH=Switzerland, CN=China, DE=Germany, DK=Denmark, FI=Finland, FR=France, GB=United Kingdom, HU=Hungary, JP=Japan, KR=Republic of Korea, NL=The Netherlands, NO=Norway, SE=Sweden, SG=Singapore.	
<input checked="" type="checkbox"/> The product fulfils the requirements of EN62133: 2013	
<b>Copy of marking plate:</b> See origin report 17046128 001 for detail.	

<b>Test item particulars.....:</b>	
<b>Classification of installation and use.....:</b>	To be defined in final product
<b>Supply connection.....:</b>	DC Connector
<b>Recommend charging method declared by the manufacturer .....</b>	Charging the battery with 21mA constant current until 4.2V and then constant voltage until charging current reduces to 2.1mA.
<b>Discharge current (0,2 I<sub>L</sub> A) .....</b>	21mA
<b>Specified final voltage.....:</b>	3.0V
<b>Chemistry .....</b>	<input type="checkbox"/> nickel systems ..... <input checked="" type="checkbox"/> lithium systems
<b>Recommend of charging limit for lithium system</b>	
<b>Upper limit charging voltage per cell.....:</b>	4.25V
<b>Maximum charging current .....</b>	105mA
<b>Charging temperature upper limit .....</b>	45°C
<b>Charging temperature lower limit.....:</b>	0°C
<b>Polymer cell electrolyte type .....</b>	<input type="checkbox"/> gel polymer <input type="checkbox"/> solid polymer <input checked="" type="checkbox"/> N/A
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
<b>Testing.....:</b>	
<b>Date of receipt of test item .....</b>	N/A
<b>Date (s) of performance of tests .....</b>	N/A
<b>General remarks:</b>	
<p>The test results presented in this report relate only to the object tested.          This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.          "(See Enclosure #)" refers to additional information appended to the report.          "(See appended table)" refers to a table appended to the report.  <b>Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.</b></p>	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC62133B:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided .....	<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	

**Name and address of factory (ies) ..... : 1. GlobTek (Suzhou) Co., Ltd.**  
Building 4, No. 76, Jinling East Road, Suzhou  
Industrial Park, Jiangsu 215021, P.R. China

**General product information:**

See origin report 17046128 001 for detail.

## Description of change(s):

1. Changed the model description from "A = bare wire with Molex housing 51021-2P" to "A = bare wire or connector".

For the above described change(s) the following was considered to be necessary:

Change	Testing	Comments	Result
1	N/A	No tests were considered to be necessary.	P

History of amendments and modifications:

Ref. No. 17046128 001, dated 2015-02-12 (original test report)

Ref. No. 17046128 002, dated 2015-11-30 (1<sup>st</sup> modification)

-- End of Report --