

Nº B7-A2Z0-0045

Wir	We	Nous
<b>BARTEC GmbH</b> Max-Eyth-Straße 16 97980 Bad Mergentheim Germany		
erklären, dass der Akku	declare that the battery	attestons que le la batterie

**BARTEC Type B7-A2Z0-0045**

auf den sich diese Erklärung bezieht den Anforderungen des folgenden <b>Handbuch</b> entspricht  <b>Handbuch der Tests und Kriterien der Vereinten Nationen</b>  <b>Abschnitt 38.3</b>	to which this declaration relates is in accordance with the provision of the following <b>manual</b>  <b>Manuel of Tests and Criteria of the United Nations</b>  <b>Section 38.3</b>	se référant à cette attestation correspond aux dispositions des <b>manuels</b> suivants  <b>Manuel des tests et critères des Nations unies</b>  <b>la section 38.3</b>
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<b>Wir erklären das der Akku vom genannten BARTEC Typ baugleich ist zum Akku vom Lieferanten</b>	<b>We declare that the battery of the named BARTEC type is identical in construction to the battery from the supplier</b>	<b>Nous déclarons que la batterie de type BARTEC est de construction identique à la batterie du fournisseur</b>
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**Supplier name: Zebra Technologies**

**Sub supplier of Zebra Technologies: Inventus Power or TWS Technology (Guangzhou) Limited**

**Supplier Type: BTRY-TC7X-46MAH-01 / 82-171249-02 / 82-171249-03**

Bad Mergentheim, 16.03.2020

**Approved**

i.A. Sarah Springer

Product Manager Enterprise Mobility

**Reviewed**

i.A. Ralph Lanig

Project Manager

## Lithium Ion Batteries Test Summary

LITHIUM CELL OR BATTERIES TEST SUMMARY  
IN ACCORDANCE WITH SUB-SECTION 38.3  
OF MANUAL OF TESTS AND CERTERIA

### BATTERY TRANSPORTION INFORMATION

Name of cell, battery or product manufacturer, as applicable:  Model Number: 82-171249-02 Model Name: 82-171249-02 Model Description: Rechargeable Li-Ion Battery Part Number: As appendix		Cell, battery or product manufacturer's contact information to include address, phone number, email address and website for more information:  Inventus Power, Inc. 1200 Internationale Parkway, Woodridge IL 60517 United States  +1.630.410.7900  www.inventuspower.com																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Mfr. Part Number (Manufacturers</th> <th style="text-align: left;">Number</th> <th style="text-align: left;">part number</th> </tr> </thead> <tbody> <tr> <td>03-56199-002</td> <td>82-171249-02</td> <td>03-56199-002</td> </tr> <tr> <td>993117-CN</td> <td>82-171249-02</td> <td>03-56199-002</td> </tr> <tr> <td>BTRY-TC7X-46MA2-01</td> <td>BTRY-TC7X-46MA2-01</td> <td>03-56199-002</td> </tr> <tr> <td>BTRY-TC7X-46MA2-10</td> <td>BTRY-TC7X-46MA2-10</td> <td>03-56199-002</td> </tr> <tr> <td>BTRY-TC7X-46MA2-01</td> <td>BTRY-TC7X-46MA2-01</td> <td>03-56199-002</td> </tr> <tr> <td>BTRY-TC7X-46MA2-10</td> <td>BTRY-TC7X-46MA2-10</td> <td>03-56199-002</td> </tr> </tbody> </table>		Mfr. Part Number (Manufacturers	Number	part number	03-56199-002	82-171249-02	03-56199-002	993117-CN	82-171249-02	03-56199-002	BTRY-TC7X-46MA2-01	BTRY-TC7X-46MA2-01	03-56199-002	BTRY-TC7X-46MA2-10	BTRY-TC7X-46MA2-10	03-56199-002	BTRY-TC7X-46MA2-01	BTRY-TC7X-46MA2-01	03-56199-002	BTRY-TC7X-46MA2-10	BTRY-TC7X-46MA2-10	03-56199-002	Name of the test laboratory to include address, phone number, email address and website for more information:  China Electronics Standardization Institute(CESI) Laboratory  No.8 TongJiNanLu, YiZhuang Economic & Technological Development Area, Beijing, China (10)64102186 www.CESI.CN	
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Description of cell or battery to include at a minimum : Lithium ion or Lithium metal cell or battery; Mass; Watt-hour rating, or lithium content; Physical description of the cell/battery; and Model numbers.  Battery used in consumer power tools Cell/battery Type : Lithium Ion Cell or Battery : Battery LC or W/h rating : Typ:17.1Wh/Min:16.7Wh Cell or Battery Weight : 125 Grams		A unique test report identification number  S17-B0763-1																						
Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3(f) and 38.3.3(g)): Not applicable		Date of the test report  2017-11-03																						
Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any; Revision 6		List of tests conducted and results (i.e. pass/fail):  Test T.1 : Altitude Simulation : Pass Test T.2 : Thermal Test : Pass Test T.3 : Vibration : Pass Test T.4 : Shock : Pass Test T5 : External Short circuit : Pass Test T.6 : Impact/Crush : Pass Test T.7 : Overcharge : Pass Test T.8 : Forced discharge : Pass  Testing additional comments:																						
For air transport only: Dose the cell or battery comply with the 30% State of Charge? Yes		Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any; Revision 6																						

### PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN – DGP)

UN Classification: <b>UN 3480</b>	Proper Shipping Name: <b>Rechargeable Lithium Ion Battery</b>
Signature with name and title of signatory as an indication of the validity of information provided: Andy Quan Compliance Engineering Manger Date document was generated: 2019-06-06	The document remains valid as long as no changes, modifications, or additions are made to the model(s) described in this document, after being transported from a Manufacturer XYZ facility. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests are Criteria as of the date of the certification. The model(s) must be packaged, labeled, and documented according to country and other international regulations for transportation.

# UN38.3 Lithium Battery Test Summary

## Cell, Battery or Product Model Number

Item Number: BTRY-TC7X-46MAH-01, BTRY-TC7X-62FEE-01, BTRY-TC7X-46MAH-10, 023.B0010.0141, 82-171249-02

Item Name: Rechargeable Li-ion Battery

## Cell, battery, or product manufacturer's contact information

Name: TWS Technology(Guangzhou) Limited

Address: No.39 Nanyunsan Road, Science Park, Hi-Tech Industrial Development Zone Guangzhou, P.R. China, 510663

City: Guangzhou State: Guangdong ZIP: 510663 Country: China

Telephone: 020-22215113 E-mail: Li.Jun@tws.com Website: http://www.tws.com

## Test Laboratory

Name: Guangzhou MCM Certification and Testing Co., Ltd

Address: 1F No.13, Zhong San Section, ShiGuang Road, Panyu District, Guangzhou City, Guangdong Province, China

City: Guangzhou State: Guangdong ZIP: 510000 Country: China

Telephone: 020-34777662 E-mail: Service@mcmtek.com Website: http://www.mcmtek.com

## Cell or Battery Description

Cell or Battery: Battery	Physical Description (dimensions, appearance):
Cell or Battery Type: Lithium ion	T*W*L: 12.6mm*72.85mm*89.66mm, Black
Watt-hour rating or Lithium Content: 16.7Wh	
Completed Cell or Battery Weight: 125g	
Unique Test Report ID Number: GZLS20160114U01	Date of test report: 2016-01-29

### List of Tests Completed:

Yes	No	Pass	Fail	Additional Comments (or indicate compliance with other standards, e.g., Underwriters Laboratory):
√		√		Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3 (f) and 38.3.3 (g)).  Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any:
√		√		
√		√		
√		√		
√		√		
√		√		
√		√		
√		√		

Signature with name and title of signatory as an indication of the validity of information provided:

Laboratory Engineer  
Li Jun



Date: 2019-7-12