LITHIUM BATTERIES TEST SUMMARY
IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA
Revision 5

Product Manufacturer: Triathlon Batterien GmbH
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08371 Glauchau,
T: +49 3763 / 77 85-0
E: Info@triathlon-batterien.de
U: www.triathlon-batterien.de

Triathlon Lithium Batteries have been successfully tested and comply with UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3.

<table>
<thead>
<tr>
<th>Performed Tests</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell</td>
<td>Module</td>
</tr>
<tr>
<td>38.3.4.1 T1 Altitude Simulation</td>
<td>Passed</td>
</tr>
<tr>
<td>38.3.4.2 T2 Thermal Test</td>
<td>Passed</td>
</tr>
<tr>
<td>38.3.4.3 T3 Vibration</td>
<td>Passed</td>
</tr>
<tr>
<td>38.3.4.4 T4 Shock</td>
<td>Passed</td>
</tr>
<tr>
<td>38.3.4.5 T5 External Short Circuit</td>
<td>Passed</td>
</tr>
<tr>
<td>38.3.4.6 T6 Impact / Crush</td>
<td>Passed</td>
</tr>
<tr>
<td>38.3.4.7 T7 Overcharge</td>
<td>NA</td>
</tr>
<tr>
<td>38.3.4.8 T8 Forced Discharge</td>
<td>Passed</td>
</tr>
</tbody>
</table>

The UN 38.3 tests were performed by one of the following test houses and were tested to UN Test Criteria Revision 3 Amendment 1 or subsequent revision or amendments.

**Cell tested by:**
SCM (South China National Centre of Metrology)
No. 30 Songbaidong Street Guangyuanzaong Road, Guangzhou, P.R. China
E: scm@scm.com.cn
T: (8620) 8659 4172
U: www.scm.com.cn
Report No: DCW201603260
Date of Report: 2016.05.04

**Module tested by:**
Cetecom ICT Services GmbH
Untertürkheimer Strasse 6-10
66117 Saarbrücken / Germany
E: ict@cetecom.com
T: +49 681 598-0
U: www.cetecom.com
Report No: 1-2341/16-01-02B
Date of Report: 2016.09.16

**Battery tested by:**
Axxellon GmbH
Am Eichenwald 15
09356 Sankt Egidien / Germany
E: kontakt@axxellon.de
T: +49 37204 9293-10
U: www.axxellon.de
Report No: 2018-03-OC-002
Date of Report: 29.03.2018

**Module tested by:**
CTC advanced GmbH
Untertürkheimer Strasse 6-10
66117 Saarbrücken / Germany
E: mail@ctcadvanced.com
T: +49 681 598-0
U: www.ctcadvanced.com
Report No: 1-2851/16-01-02-A
Date of Report: 2017.01.30
Report No: 1-2852/16-01-02-A
Date of Report: 2017.01.31

Product Information see Attached table:

Glauchau, 09-12-2019

Uwe Zimmermann
Technical Manager

Thomas Moelle
Product Manager
Modular Triathlon Lithium Batteries

Type: Battery
Cell-Type: Prismatic
Battery Management System: Yes
Nominal Cell Voltage: 3,7V
Additional Information: Models of TC are just distinguishable in their outer design

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Type</th>
<th>Energy [Wh]</th>
<th>Capacity (Ah)</th>
<th>Mass [kg]</th>
<th>Number of cells</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>min.</td>
<td>max.</td>
<td>steps</td>
<td>min.</td>
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<tr>
<td>24 V</td>
<td>TC5207-01…TC5207-16</td>
<td>1.346,8</td>
<td>21.548,8</td>
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<td>48 V</td>
<td>TC5207-02…TC5207-30</td>
<td>2.693,6</td>
<td>40.404,0</td>
<td>2.693,6</td>
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<td>80 V</td>
<td>TC5211-04…TC5211-48</td>
<td>8.465,6</td>
<td>101.587,2</td>
<td>4.232,8</td>
<td>104</td>
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