**UN 38.3 Test Summary Report**

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

### [a] $\square$ Cell  $\square$ Battery  $\square$ Product

$\checkmark$ **Tested Type Part #: TLP-93123/A**

$\square$ **Same Type Part #:**

### [b] Manufacturer

Tadiran Batteries Ltd.

44 Yitzhak Rabin Blvd,

Kiryat Ekron,

Israel 7695001

T. +972 8 9 44 503

sales@tadiran-batt.com

www.tadiran.com

### [c] Test Laboratory

Tadiran Batteries Ltd.

44 Yitzhak Rabin Blvd,

Kiryat Ekron,

Israel 7695001

T. +972 8 9 44 560

aya-d@tadiran-batt.com

www.tadiran.com

$\checkmark$ **Same Type Part Numbers # (all):** covers all the TLP-93123/A/xxxx part numbers with harness/cables.

### [d] Unique report ID: 15Q-994

### [e] Report date: May 2016

### [f] (i) $\square$ Li-ion  $\square$ Li-metal.

(ii) **Description:** Primary (non-rechargeable) 3.7 V Lithium Thionyl Chloride (Li-SOCl2) hybrid battery, assembled from 2 (two) “D” size cell and 3 (three) HLC-1550 in parallel connection. The battery is designed to preclude violent rupture under normal conditions incident to transport.

The TLP-93123/A battery may come with optional suffixes consisting of a “/” followed by one or more letters and a digit. These suffixes indicate different types of finishing to the battery, e.g. harness.

(iii) Mass: 280 g

(iv) $\checkmark$ Watt hour rating or $\checkmark$ Lithium content: 2.58 Wh and 10 g

(v) $\square$ Cell  $\checkmark$ Battery  $\square$ Product. Model number/Part number: TLP-93123/A

### [g] List of Tests Conducted

<table>
<thead>
<tr>
<th>Test Procedure</th>
<th>Result (Pass / Fail / N.A.)</th>
<th>Test record reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.3.4.1 T.1: Altitude simulation</td>
<td>Pass</td>
<td>15Q-994</td>
</tr>
<tr>
<td>38.3.4.2 T.2: Thermal test</td>
<td>Pass</td>
<td>15Q-994</td>
</tr>
<tr>
<td>38.3.4.3 T.3: Vibration</td>
<td>Pass</td>
<td>15Q-994</td>
</tr>
<tr>
<td>38.3.4.4 T.4: Shock</td>
<td>Pass</td>
<td>15Q-994</td>
</tr>
<tr>
<td>38.3.4.5 T.5: External short circuit</td>
<td>Pass</td>
<td>15Q-994</td>
</tr>
<tr>
<td>38.3.4.6 T.6: Impact/Crush (cell only test)</td>
<td>Pass</td>
<td>15Q-610, 15Q-854</td>
</tr>
<tr>
<td>38.3.4.7 T.7: Overcharge (N.A for Li-metal only)</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td>38.3.4.8 T.8: Forced discharge (cell only test)</td>
<td>Pass</td>
<td>15Q-610, 15Q-854</td>
</tr>
</tbody>
</table>

### [h] Battery assembly: $\square$ Not Applicable. $\checkmark$ UN38.3.3 (f)  $\square$ UN38.3.3 (g)


### [j] Signatory A. Date: 2019.12.22

Name: Aya Daniel

Title: Quality Manager

Signature.

### [k] Signatory B. Date: 2019.12.22

Name: Kobi Pinsky

Title: VP Marketing and Sales

Signature.

**Important!** The above signatory / signatories affirm that this document is a true and correct summary of the original individual tests and test data. The original test data is confidential information available to competent State Authorities with valid identification and only upon their formal request. Disclosure of the original test data to any other entity upon its request will be considered by Tadiran and, should Tadiran consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.