

# 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

<input type="checkbox"/> [a] Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product <input checked="" type="checkbox"/> <b>Tested Type Part #:</b> TLP-82121/C <input type="checkbox"/> <b>Same Type Part #:</b>	<input type="checkbox"/> [d] Unique report ID: 15Q-641 <input type="checkbox"/> [e] Report date: December 2003
<input checked="" type="checkbox"/> [b] <b>Manufacturer</b> Tadiran Batteries Ltd. 44 Yitzhak Rabin Blvd, Kiryat Ekron, Israel 7695001 T. +972 8 9 44 503 <a href="mailto:sales@tadiran-batt.com">sales@tadiran-batt.com</a> <a href="http://www.tadiran.com">www.tadiran.com</a>	<input checked="" type="checkbox"/> [c] <b>Test Laboratory</b> Tadiran Batteries Ltd. 44 Yitzhak Rabin Blvd, Kiryat Ekron, Israel 7695001 T. +972 8 9 44 560 <a href="mailto:aya-d@tadiran-batt.com">aya-d@tadiran-batt.com</a> <a href="http://www.tadiran.com">www.tadiran.com</a>
<input checked="" type="checkbox"/> <b>Same Type Part Numbers # (all):</b> covers all the TLP-82121/C/xxxx part numbers with harness/cables.	

[f] (i)  Li-ion  Li-metal.


(iv) **Description:** Primary (non-rechargeable) 16 V Lithium Sulfuryl Chloride (Li/SO<sub>2</sub>Cl<sub>2</sub>) hybrid battery, assembled from a group of 2 (two) "C" size cell and 1 (one) HLC-1550 cell in parallel connection and 3 groups of this in serial connection. Dangerous reverse current between the parallel D cells and HLC-1550 does not occur because of presence of parallel diode in each group.  
 The TLP-82121/C 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.

(ii) Mass: 400 g  
 (iii)  Watt hour rating or  Lithium content: 2.58 Wh and 15,5 g  
 (v)  Cell  Battery  Product. Model number/Part number: TLP-82121/C


[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	15Q-641
38.3.4.2 T.2: Thermal test	Pass	15Q-641
38.3.4.3 T.3: Vibration	Pass	15Q-641
38.3.4.4 T.4: Shock	Pass	15Q-641
38.3.4.5 T.5: External short circuit	Pass	15Q-641
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	15Q-616,955
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N.A.	N.A.
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	15Q-616,855

[h] Battery assembly:  Not Applicable.  UN38.3.3 (f)  UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. *Fifth revised edition*

<input type="checkbox"/> [j] Signatory A. Date: 2020.03.11
Name: Aya Daniel
Title: Quality Manager
Signature. 



<input type="checkbox"/> [j] Signatory B. Date: 2020.03.11
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.