

# 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] <input checked="" type="checkbox"/> Cell <input type="checkbox"/> Battery <input type="checkbox"/> Product <input checked="" type="checkbox"/> <b>Tested Type Part #:</b> TLI-1520A <input type="checkbox"/> <b>Same Type Part #:</b>
[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>


[d] Unique report ID: 15Q-942
[e] Report date: September 2013
[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 TLI-1520A/xxx part numbers with various contact terminations / harness.
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[f] (i) <input checked="" type="checkbox"/> Li-ion <input type="checkbox"/> Li-metal.  (iv) <b>Description:</b> TLI-1520A is a rechargeable lithium ion battery with OCV of up to 4.1V and can be transported as a lithium ion battery under UN numbers 3480 (lithium ion batteries) and UN 3481 (lithium ion batteries packed with or in equipment). The TLI-1520A cell may come with an additional optional letter and suffixes consist of a “/” followed by one or two letters and digits which indicate different finishing such as /T, /TP, /PT2, etc. Tadiran manufactures all cells/batteries under a quality management system as required under this regulation.  (ii) Mass: 10 g (iii) <input checked="" type="checkbox"/> Watt hour rating or <input type="checkbox"/> Lithium content: 0.32 W/h (v) <input checked="" type="checkbox"/> Cell <input type="checkbox"/> Battery <input type="checkbox"/> Product. Model number/Part number: TLI-1520A
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[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	15Q-942
38.3.4.2 T.2: Thermal test	Pass	15Q-942
38.3.4.3 T.3: Vibration	Pass	15Q-942
38.3.4.4 T.4: Shock	Pass	15Q-942
38.3.4.5 T.5: External short circuit	Pass	15Q-942
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	15Q-942
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N.A.	15Q-942
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	15Q-942

[h] Battery assembly: <input checked="" type="checkbox"/> Not Applicable. <input type="checkbox"/> UN38.3.3 (f) <input type="checkbox"/> UN38.3.3 (g)
[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. <i>Sixth revised edition</i>

[j] Signatory A. Date: 2020.06.29 Name: Aya Daniel Title: Quality Manager Signature: 
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[j] Signatory B. Date: 2020.06.29 Name: Kobi Pinsky Title: VP Marketing and Sales Signature: 
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**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.