

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] Cell Battery Product
 Tested Type Part #: HLC-1020
 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

[d] Unique report ID: 15Q-856

[e] Report date: June 2014

[c] **Test Laboratory**
 Tadiran Batteries Ltd.
 44 Yitzhak Rabin Blvd,
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 Israel 7695001
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Same Type Part Numbers # (all): covers all the HLC-1020/xxx part numbers with various contact terminations / harness.

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

(iv) **Description:** HLC-1020 is designed to be connected in parallel to a primary lithium metal battery with OCV of up to 3.9V, consists of a single cell and can be transported as a lithium metal battery under UN numbers 3090 and 3091. The HLC-1020 battery may come with the suffixes consist of a "T" 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: 8 g

(iii) Watt hour rating or Lithium content: 0.07Wh and 0g

(v) Cell Battery Product. Model number/Part number: HLC-1020

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	15Q-856
38.3.4.2 T.2: Thermal test	Pass	15Q-856
38.3.4.3 T.3: Vibration	Pass	15Q-856
38.3.4.4 T.4: Shock	Pass	15Q-856
38.3.4.5 T.5: External short circuit	Pass	15Q-856
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	15Q-856, 15Q-959
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-856

[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. *Sixth revised edition*

[j] Signatory A. Date: 2020.01.27

Name: Aya Daniel

Title: Quality Manager

Signature.




[j] Signatory B. Date: 2020.01.27

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.