

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 #: TLP-91831/A
 Same Type Part #:

[b] **Manufacturer**
 Tadiran Batteries GmbH
 Industriestrasse 22
 63654 Buedingen
 Germany
 T. +49 6042 954 0
info@tadiranbatteries.de
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[d] Unique report ID: 23PP492-01

[e] Report date: 2023.12.18

[c] **Test Laboratory**
 Kiwas Primara GmbH
 Gewerbestraße 28
 87600 Kaufbeuren
 Germany

Same Type Part Numbers # (all): All configurations with harness and cable of this battery with part number 17 9 1831x xx. The Type can either be TLP- or SLP-.

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

(iv) **Description:** Primary (non-rechargeable) 3.7 V Lithium Thionyl Chloride (Li-SOCI₂) hybrid battery, assembled 3 (three) "AA" sized SL-860 cells and 1 (one) "AAA/2" sized HLC-1020. The TLP-91831/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. The battery may also start with the letters SLP-. Tadiran manufactures all cells/batteries under a quality management system as required under this regulation.

(ii) Mass: 60 g

(iii) Watt hour rating or Lithium content: 0.07 Wh and 1.95 g

(v) Cell Battery Product. Model number/Part number: TLP-91831/A

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

[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. *seventh revised edition*

[j] Signatory A. Date: 2023.12.18

Name: Marc Henn

Title: Application Engineering Manager

Signature.




[j] Signatory B. Date: 2023.12.18

Name: Olaf G. Lichtlein

Title: General Manager

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.