

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 type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product <input checked="" type="checkbox"/> Tested Type Part #: TLP-94181/D <input type="checkbox"/> Same Type Part #:	[d] Unique report ID: 15Q-626
[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	[e] Report date: November 2004 [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
<input checked="" type="checkbox"/> Same Type Part Numbers # (all): covers all the TLP-94181/D/xxxx part numbers with harness/cables.	

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


(iv) **Description:** Primary (non-rechargeable) 14.8 V Lithium Thionyl Chloride (Li-SOCI₂) hybrid battery, assembled from a group of eight (8) "DD" size cell and 1 (one) HLC-1550 cell in 2 packs: 14V (32xDD and 4xHLC-1550) and 7V (16xDD and 2xHLC-1550) packs. The battery is designed to preclude violent rupture under normal conditions incident to transport. Dangerous reverse current between the parallel DD cells and HLC-1550 does not occur because of presence of parallel diode and PTC in each group. The TLP-94181/D 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: 19 kg
 (iii) Watt hour rating or Lithium content: 5.16 Wh and 552 g
 (v) Cell Battery Product. Model number/Part number: TLP-94181/D

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	15Q-626
38.3.4.2 T.2: Thermal test	Pass	15Q-626
38.3.4.3 T.3: Vibration	Pass	15Q-626
38.3.4.4 T.4: Shock	Pass	15Q-626
38.3.4.5 T.5: External short circuit	Pass	15Q-626
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	15Q-636, 15Q-855
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-636, 15Q-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*

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