

# 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 #** Jotron p/n 83056  
 **Same Type Part #** see list

[d] Unique report ID: 1236193 Rev.1

[e] Report date: 2019.12.04

[b] **Manufacturer**

Jotron AS,  
Oestbyveien 1, 3281 Tjodalyng, Norway  
Tel; +4733139700  
[Sales@jotron.com](mailto:Sales@jotron.com)  
[www.jotron.com](http://www.jotron.com)

[c] **Test Laboratory**

Saft Civil Electronics Division Saft SAS  
Rue Georges Leclanche, BP1039 86000 Poitiers  
T. +33 (0) 5. 49 55 48.48  
[Lithiumsales.fr@saftbatteries.com](mailto:Lithiumsales.fr@saftbatteries.com)  
<https://www.saftbatteries.com>

**Same Type Part Numbers # (all):** 83050 (Tron 40S MK II), 83050P (Tron 40S MK II with FB-6 bracket),

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

(iv) **Description:** Assembled from two C-sized LSH14 Light cells in series (2 x 2s1p) in two separate packs.

(ii) Mass: 400g

(iii)  Watt hour rating or  Lithium content: 1.98g x 2 = 3.96g

(v)  Cell  Battery  Product. Jotron p/n 83056

[g] **List of Tests Conducted** **Result (Pass / Fail / N.A.)** **Test record reference**

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	T0496-19
38.3.4.2 T.2: Thermal test	Pass	T0496-19
38.3.4.3 T.3: Vibration	Pass	T0496-19
38.3.4.4 T.4: Shock	Pass	T0496-19
38.3.4.5 T.5: External short circuit	Pass	T0496-19
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	T0340-14
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	T0340-14

[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 ST/SG/AC.10/27/Add.2/ Annexe 6,

[j] Signatory A. Date: 04.12.2019

Name: Jan Erik Sæter

Title: Product Manager, GMDSS & AIS

Signature:



**Important;** The above signatory/signatories affirm that this document is a true and correct summary of the original Individual tests and test data. Please note that any counterfeit batteries under Jotron product name and/or Jotron p/n do NOT comply to this document!