

# 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

- Cell  Battery  Product  
 **Tested Type Part #** Jotron p/n 103173  
 **Same Type Part #** see list

Unique report ID: 104751643LHD-001b Issue 1

Report date: 30. Sep 2021

## Manufacturer

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## Test Laboratory

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## **Same Type Part Numbers # (all):**

Jotron p/n 103200 Tron 40VDR AIS with bracket  
Jotron p/n 103190 Tron 40VDR AIS with Heating Bracket  
Jotron p/n 103742 Spare 40VDR AIS without storage module  
Jotron p/n 103960 Spare 40VDR AIS with storage module  
Jotron p/n 103550 Spare SBM battery kit Tron 40VDR AIS

- Li-ion  Li-metal.

**Description:** 10 Saft LSH 14 light 3.6V / 3.6 Ah Lithium Thionyl High Power C-cells connected in a 2S1P x 5 series arrangement to provide a nominal output of 7.2V / 18.0Ah.

Mass: 606 grams

- Watt hour rating or  Lithium content: 1.96 g x 5 = 9.8 g in total  
 Cell  Battery  Product. Model number/Part number: Jotron p/n 103173

## **[g] List of Tests Conducted**

**Result (Pass / Fail / N.A.)**

**Test record reference**

<b>[g] List of Tests Conducted</b>	<b>Result (Pass / Fail / N.A.)</b>	<b>Test record reference</b>
38.3.4.1 T.1: Altitude simulation	Pass	104751643LHD-001b Issue
38.3.4.2 T.2: Thermal test	Pass	104751643LHD-001b Issue
38.3.4.3 T.3: Vibration	Pass	104751643LHD-001b Issue
38.3.4.4 T.4: Shock	Pass	104751643LHD-001b Issue
38.3.4.5 T.5: External short circuit	Pass	104751643LHD-001b Issue
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

Battery assembly:  Not Applicable.  UN38.3.3 (f)  UN38.3.3 (g)

Test Reference: UN Manual of Test and Criteria Ref: ST/SG/AC. 10/11 Rev 7:2019 Section 38.3

Date: 03. Feb.2022

Name: Jan Erik Sæter

Title: Product Manager, Maritime

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 using Jotron product name and/or Jotron p/n do NOT comply to this document!