

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 #** HHS-LIR18650-2405
☒ **Same Type Part #** see list

Manufacturer

Jotron AS
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Unique report ID: TSZ25ES043A01-01

Report date: 24.06.2025

Test Laboratory

Tian Su
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Guangdong, China.
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☐ **Same Type Part Numbers # (all):** Jotron Sales p/n 105650, TronTracker TA10 Tracker with bracket
Jotron Sales p/n 106193, TronTracker Start Package

☒ Li-ion ☐ Li-metal.

Description: Minmax Rechargeable Li-Ion battery type HHS-LIR18650-2405

Mass:

☒ Watt hour rating or ☐ Lithium content: 3.6V, 3400mA, 12.24Wh
☐ Cell ☒ Battery ☐ Product. Model number/Part number: HHS-LIR18650-2405

[g] List of Tests Conducted

Result (Pass / Fail / N.A.)

Test record reference

38.3.4.1 T.1: Altitude simulation	Pass	TSZ25ES043A01-01
38.3.4.2 T.2: Thermal test	Pass	TSZ25ES043A01-01
38.3.4.3 T.3: Vibration	Pass	TSZ25ES043A01-01
38.3.4.4 T.4: Shock	Pass	TSZ25ES043A01-01
38.3.4.5 T.5: External short circuit	Pass	TSZ25ES043A01-01
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	TSZ25ES043A01-01
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	Pass	TSZ25ES043A01-01
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	TSZ25ES043A01-01

Battery assembly: ☐ Not Applicable. ☒ UN38.3.3 ☐ UN38.3.3

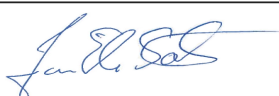
Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3 ST/SG/AC .10/11/Rev 8.

Date: 25.07.2025

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!