

# 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 #:** 4933031142  
 **Same Type Part #:**

[b] **Manufacturer**  
 Saft Connected Smart Energy (CSE) Division  
 Friemann & Wolf Batterietechnik GmbH  
 Industriestr. 22  
 63654 Büdingen, Germany  
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[d] Unique report ID: MIL142.1025

[e] Report date: 2025.10.30

[c] **Test Laboratory**  
 Saft Connected Smart Energy (CSE) Division  
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[f] (i)  Li-ion  Li-metal  
 (iv) **Description:** 3.CR123A-Batterie  
 NSN: 6135-12-312-8596  
 TKZ: 4A1205  
 Part No.: 4933031142  
 Approved acc. to: VG 96915-164  
 Primary (non-rechargeable) lithium-manganese dioxide (Li-MnO<sub>2</sub>) battery assembled from 3 (three) Panasonic CR123A cells connected in series with a PTC in a shrink sleeve.

(ii) Mass: max. 54 g  
 (iii)  Watt hour rating or  Lithium content: 1.68 g  
 (v)  Cell  Battery  Product. Model number/Part number: 4933031142

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	UB650/13, page 2
38.3.4.2 T.2: Thermal test	Pass	UB650/13, page 3
38.3.4.3 T.3: Vibration	Pass	UB650/13, page 4
38.3.4.4 T.4: Shock	Pass	UB650/13, page 5
38.3.4.5 T.5: External short circuit	Pass	UB650/13, page 6
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	UB650/13, page 7
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	UB650/13, page 8

[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, 5<sup>th</sup> revised edition, Amend. 2  
 Friemann & Wolf Batterietechnik GmbH is certified according to ISO 9001 and thereby manufactures all cells and batteries under a quality management system as required by IATA, ADR, RID and IMDG transport rules.

[j] Signatory A.  
 Name: Dr. Torsten Oekermann  
 Title: Product Engineering Manager  
 Signature.



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[j] Signatory B.  
 Name: Joachim Kirchner  
 Title: Quality 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 Saft and, should Saft consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.