

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 #:** 04224X
☒ **Same Type Part #:** Nexergy Part No: 040225-01

[b] **Manufacturer**
 Saft Civil Electronics Division
 Saft Poitiers Inc.
 Rue George Leclanche BP 1039; 86060 Poitiers
 Cedex 09 -France
 T: +33 5 49 55 48 48
lithium-sales@saftbatteries.com
<https://www.saftbatteries.com/>

[d] Unique report ID: 114

[e] Report date: 2003.06.25

[c] **Test Laboratory**
 Saft Civil Electronics Division
 Saft Poitiers Inc.
 Rue George Leclanche BP 1039; 86060 Poitiers
 Cedex 09 -France
 T: +33 5 49 55 48 48
lithium-sales@saftbatteries.com
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☒ **Same Type Part Numbers # (all):**

[f] (i) ☐ Li-ion ☒ Li-metal.

(iv) **Description:** 1S1P LS14500
 Primary (non-rechargeable) Lithium-Thionyl chloride (Li-SOCl₂) 1S1P LS14500 battery. 3.6 Volt, 2.25 Ah.

(ii) Mass: 16.7g

(iii) ☐ Watt hour rating or ☒ Lithium content: 0.6 g.

(v) ☒ Cell ☐ Battery ☐ Product. Model number/Part number: 04224X

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	TC-LS 14500 06/03-2
38.3.4.2 T.2: Thermal test	Pass	TC-LS 14500 06/03-2
38.3.4.3 T.3: Vibration	Pass	TC-LS 14500 06/03-2
38.3.4.4 T.4: Shock	Pass	TC-LS 14500 06/03-2
38.3.4.5 T.5: External short circuit	Pass	TC-LS 14500 06/03-2
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	TC-LS 14500 06/03-2
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	TC-LS 14500 06/03-2

[h] Battery assembly: ☒ Not Applicable. ☐ UN38.3.3 (f) ☐ UN38.3.3 (g)

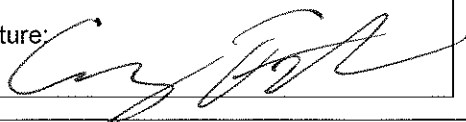
[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. *Third revised edition*

[j] Signatory A. Date: 2018.12.28

Name: Casey Fortune

Title: Test Lab Manager

Signature:

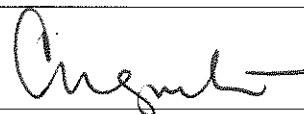



[j] Signatory B. Date: 2018.12.28

Name: Carlos Negrete

Title: Engineering 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.