

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

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| <p>[a] <input checked="" type="checkbox"/> Cell <input type="checkbox"/> Battery <input type="checkbox"/> Product <input checked="" type="checkbox"/> Tested Type Part # 04224X <input checked="" type="checkbox"/> Same Type Part # see list</p> | <p>[d] Unique report ID: LS14500 - 12-2018-1</p> |
| <p>[b] Manufacturer Saft Civil Electronics Division Saft SAS Rue Georges Leclanché, BP1039 86000 Poitiers T. +33 (0) 5. 49 55 48.48 Lithiumsales.fr@saftbatteries.com https://www.saftbatteries.com</p> | <p>[e] Report date: 2015-10-14</p> |
| <p>[c] Test Laboratory Saft Civil Electronics Division Saft SAS Rue Georges Leclanché, BP1039 86000 Poitiers T. +33 (0) 5. 49 55 48.48 Lithiumsales.fr@saftbatteries.com https://www.saftbatteries.com</p> | |

Same Type Part Numbers # (all): All the LS14500 cell versions that just vary by their termination mode and labelling.

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

(iv) **Description:** AA sized LiSOC₂ cell without any protection device.

(ii) Mass: 16 g

(iii) Watt hour rating or Lithium content: 0.7 g

(v) Cell Battery Product. Model number/Part number: LS14500

| [g] List of Tests Conducted | Result (Pass / Fail / N.A.) | Test record reference |
|--|-----------------------------|-----------------------|
| 38.3.4.1 T.1: Altitude simulation | Pass | T0336-14 |
| 38.3.4.2 T.2: Thermal test | Pass | T0336-14 |
| 38.3.4.3 T.3: Vibration | Pass | T0336-14 |
| 38.3.4.4 T.4: Shock | Pass | T0336-14 |
| 38.3.4.5 T.5: External short circuit | Pass | T0336-14 |
| 38.3.4.6 T.6: Impact/Crush (cell only test) | Pass | T0336-14 |
| 38.3.4.7 T.7: Overcharge (N.A for Li-metal only) | | N.A |
| 38.3.4.8 T.8: Forced discharge (cell only test) | Pass | T0336-14 |

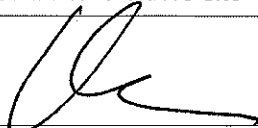
[h] Battery assembly: Not Applicable. UN38.3.3 (f) UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3 ST/SG/AC.10/11/Rev.5

[j] Signatory A. Date: 2018-12-27

Name: Cristophe Serre

Title: Quality Mgr – C.E. Div- Poitiers site

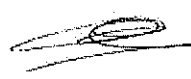
Signature: 



[j] Signatory B. Date: 2018-12-27

Name: Camille Lagrange

Title: Primary Lithium Battery Technical 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.