

# 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 #:** 04262L  
☒ **Same Type Part #:** See List

[b] **Manufacturer**

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 Saft Ltd  
 River Drive, South Shields, Tyne and Wear,  
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[d] Unique report ID: C00019 (Rev 2)

[e] Report date: 05/03/2020

[c] **Test Laboratory**

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 Lithiumsales.fr@saftbatteries.com  
 https://www.saftbatteries.com

☒ **Same Type Part Numbers # (all):** 0089-141-786, 0092-240-019, 0092-340-019, 0092-700-019, 0092-850-019, 0092-940-019, 0093-230-019, 0093-240-019, 0093-260-019, 0095-187-019, 0093-540-019, 0093-600-019, 0093-750-019, 0093-780-019, 0095-204-019, 0095-215-019, 0095-226-019, 0095-269-019, 0095-274-019, 0095-325-019, 0095-341-019, 0095-361-019, 0095-420-019, 0095-565-019, 0095-565-019/1, 0095-566-019, 0095-566-019/1, 0095-581-019, 0095-581-019/1, 0095-582-019, 0095-606-019, 0095-612-019, 0095-649-019, 0095-655-019, 0095-661-019, 0095-746-019, 0095-756-019, 0095-761-019, EN 20-001, XST 5520, XST 5520/1, XST 5574, XST 5592, XST 5636, XST 5851, XST 5973/1, XST 6006,

[f] (i) ☐ Li-ion ☒ Li-metal.

(iv) **Description:** Primary (non-rechargeable) Lithium-Thionyl Chloride (Li-SOCl<sub>2</sub>) "D" sized cell.

(ii) Mass: 86g

(iii) ☐ Watt hour rating or ☒ Lithium content: 4.53g.

(v) ☒ Cell ☐ Battery ☐ Product. Model number/Part number: LS33600 & LS33600C.

[g] **List of Tests Conducted**

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

**Test record reference**

|                                                  |      |          |
|--------------------------------------------------|------|----------|
| 38.3.4.1 T.1: Altitude simulation                | Pass | T0339-14 |
| 38.3.4.2 T.2: Thermal test                       | Pass | T0343914 |
| 38.3.4.3 T.3: Vibration                          | Pass | T0343914 |
| 38.3.4.4 T.4: Shock                              | Pass | T0339-14 |
| 38.3.4.5 T.5: External short circuit             | Pass | T0339-14 |
| 38.3.4.6 T.6: Impact/Crush (cell only test)      | Pass | T0339-14 |
| 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 | T0339-14 |

[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. 6th revised edition 2015

[j] Signatory A. Date: 05/03/2020

Name: Stephen Clark

Title: Saft CE, Senior Applications Engineer

Signature:



[j] Signatory B. Date: 05/03/2020

Name: Tessa Collinson

Title: Saft CE, General 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.