

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 #:** LS17500.STD
☐ **Same Type Part #:**

[b] **Manufacturer**
 Saft Civil Electronics Division
 Saft Ltd
 River Drive, South Shields, Tyne and Wear,
 NE33 2TR, UK
 T. +44(0) 191 456 1451
 Stephen.clark@saftbatteries.com
 https://www.saftbatteries.com

[d] Unique report ID: C00007 (Rev 8)

[e] Report date: 21/06/2019

[c] **Test Laboratory**
 Saft Civil Electronics Division
 Saft SAS
 Rue Georges Leclanché, BP1039
 86000 Poitiers
 T. +33 (0) 5. 49 55 48 48
 Lithiumsals.fr@saftbatteries.com
 https://www.saftbatteries.com

☒ **Same Type Part Numbers # (all):** 0095-190-019, 0095-191-019, 0095-378-019, 0095-507-019, 0095-508-019, 0095-509-019, 0095-510-019, 0095-511-019, 0095-541-019, 0095-546-019, 0095-553-019, 0095-561-019, 0095-578-019, 0095-608-019, 0095-673-019, 0095-677-019, 0095-682-019, 0095-694-019, 0095-700-019, 0095-744-019, LS17500.STD.

[f] (i) ☐ Li-ion ☒ Li-metal.

(iv) **Description:** Primary (non-rechargeable) Lithium-Thionyl Chloride (Li-SOCl₂) "A" sized LS17500 cell.

(ii) Mass: 22g

(iii) ☐ Watt hour rating or ☒ Lithium content: 0.9g.

(v) ☒ Cell ☐ Battery ☐ Product. Model number/Part number: LS17500 (UK)

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	T0257-08
38.3.4.2 T.2: Thermal test	Pass	T0257-08
38.3.4.3 T.3: Vibration	Pass	T0257-08
38.3.4.4 T.4: Shock	Pass	T0257-08
38.3.4.5 T.5: External short circuit	Pass	T0257-08
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	I06043009621D~1
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	I06043009621D~1

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

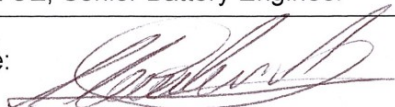
[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. 6th revised edition 2015

[j] Signatory A. Date: 21/06/2019

Name: Stephen Clark

Title: Saft CE, Senior Battery Engineer

Signature:

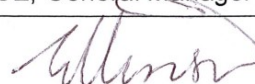



[j] Signatory B. Date: 21/06/2019

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.