

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 # 60090U
 Same Type Part # see list

[d] Unique report ID: LSP33600 20F - 03-2020-3

[e] Report date: 2020-03-12

[b] **Manufacturer**
 Saft Connected Energy Division
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[c] **Test Laboratory**
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Same Type Part Numbers # (all): 60155M, 60189X

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

(iv) **Description:** D-sized LiSOCl₂ cell in parallel with a hybrid capacitor

(ii) Mass: 92 g

(iii) Watt hour rating or Lithium content: 4.5 g

(v) Cell Battery Product. Model number/Part number: LSP33600

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	T0053-20
38.3.4.2 T.2: Thermal test	Pass	T0053-20
38.3.4.3 T.3: Vibration	Pass	T0053-20
38.3.4.4 T.4: Shock	Pass	T0053-20
38.3.4.5 T.5: External short circuit	Pass	T0053-20
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	-
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 ST/SG/AC.10/11/Rev.6 amend. 1

[j] Signatory A. Date: 2021-02-24

Name: Cristophe Serre

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

Signature:



[j] Signatory B. Date: 2021-02-24

Name: Antoine Derouet

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.