

# 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** 06400J  
 **Same Type Part #** see list

[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

[d] Unique report ID: LSP33600 - 04-2019-2  
 [e] Report date: 2017.03.14

[c] **Test Laboratory**  
 Saft Civil Electronics Division  
 Saft SAS  
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**Same Type Part Numbers # (all):** 59-06400J

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

(iv) **Description:** Assembled from one primary D-sized LS33600 cell with a supercapacitor EDLC device  
 (ii) Mass: 100 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	T0074-17
38.3.4.2 T.2: Thermal test	Pass	T0074-17
38.3.4.3 T.3: Vibration	Pass	T0074-17
38.3.4.4 T.4: Shock	Pass	T0074-17
38.3.4.5 T.5: External short circuit	Pass	T0074-17
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)	NA	NA
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. Revision 5<sup>th</sup> amend 1

[j] Signatory A. Date: 2019.06.28  
 Name: Cristophe Serre  
 Title: Quality Mgr – C.E. Div- Poitiers site  
 Signature: 



[j] Signatory B. Date: 2019.06.28  
 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.