

# 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 #:** 390173  
 **Same Type Part #:** 39336000100

[d] Unique report ID: 246

[e] Report date: 2018.12.17

[b] **Manufacturer**  
 Saft Civil Electronics Division  
 Saft America Inc.  
 313 Crescent St., Valdese, NC 28690  
 USA  
 T: 828-874-4111  
[lithium-sales@saftbatteries.com](mailto:lithium-sales@saftbatteries.com)  
<https://www.saftbatteries.com/>

[c] **Test Laboratory**  
 Saft Civil Electronics Division  
 Saft America Inc.  
 313 Crescent St., Valdese, NC 28690  
 USA  
 T: 828-874-4111  
[lithium-sales@saftbatteries.com](mailto:lithium-sales@saftbatteries.com)  
<https://www.saftbatteries.com/>

**Same Type Part Numbers # (all):** 39336000101 39336000102 39336000103 39336000104  
 39336000105 39336000106 39336000107 39336000108 39336000109 39336000110 SR181793  
 39336000111 39336000112 SR182186

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

(iv) **Description:** LM33600 cell  
 Primary (non-rechargeable) Lithium-Manganese Dioxide (LMN02) 1S1P battery. 3.2 Volts, 13Ah.

(ii) Mass: 116g.

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

(v)  Cell  Battery  Product. Model number/Part number: 390173

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	10084
38.3.4.2 T.2: Thermal test	Pass	10084
38.3.4.3 T.3: Vibration	Pass	10084
38.3.4.4 T.4: Shock	Pass	10084
38.3.4.5 T.5: External short circuit	Pass	10084
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	10243
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	10084

[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. *Sixth revised edition 2018*

[j] Signatory A. Date: 2020.12.14

Name: Casey Fortune

Title: Test Lab Manager

Signature:



[j] Signatory B. Date: 2020.12.14

Name: Carlos Negrete

Title: Engineering 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.