

# 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 #:** 04699G  
☒ **Same Type Part #:** See Below

[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: B00108 (Rev 2)

[e] Report date: 29/01/2020

[c] **Test Laboratory**

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

☒ **Same Type Part Numbers # (all):** 0095-422-019, 0095-554-019, 0095-567-019, 0095-604-019

[f] (i) ☐ Li-ion ☒ Li-metal.

(iv) **Description:** Primary (non-rechargeable) Lithium-Thionyl Chloride (Li-SOCl<sub>2</sub>) battery pack, assembled from 3 (Three) "1/2AA" sized LS14250 cells in a 3 series, 1 parallel (3s1p) arrangement. The pack features no protection device.

(ii) Mass: 30g

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

(v) ☐ Cell ☒ Battery ☐ Product. Model number/Part number: 3s1p LS14250 (LS9V)

[g] **List of Tests Conducted**

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

**Test record reference**

38.3.4.1 T.1: Altitude simulation

Pass

P0200-03

38.3.4.2 T.2: Thermal test

Pass

P0200-03

38.3.4.3 T.3: Vibration

Pass

P0200-03

38.3.4.4 T.4: Shock

Pass

P0200-03

38.3.4.5 T.5: External short circuit

Pass

P0200-03

38.3.4.6 T.6: Impact/Crush (cell only test)

Pass

I01023006721D~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

I01023006721D~1

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

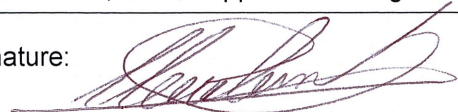
[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. 6th revised edition 2015

[j] Signatory A. Date: 29/01/2020

Name: Stephen Clark

Title: Saft CE, Senior Applications Engineer

Signature:




[j] Signatory B. Date: 29/01/2020

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.