

# 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

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|---|--|
| <p>[a] <input type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product<br/> <input checked="" type="checkbox"/> <b>Tested Type Part #:</b> 3726048800<br/> <input checked="" type="checkbox"/> <b>Same Type Part #:</b> SR181165</p>   | <p>[d] Unique report ID: 199</p>   |
| <p>[b] <b>Manufacturer</b><br/>         Saft Civil Electronics Division<br/>         Saft America Inc.<br/>         313 Crescent St., Valdese, NC 28690<br/>         USA<br/>         T: 828-874-4111<br/> <a href="mailto:lithium-sales@saftbatteries.com">lithium-sales@saftbatteries.com</a><br/> <a href="https://www.saftbatteries.com/">https://www.saftbatteries.com/</a></p>  | <p>[e] Report date: 2007.09.15</p>   |
| <p>[b] <b>Manufacturer</b><br/>         Saft Civil Electronics Division<br/>         Saft America Inc.<br/>         313 Crescent St., Valdese, NC 28690<br/>         USA<br/>         T: 828-874-4111<br/> <a href="mailto:lithium-sales@saftbatteries.com">lithium-sales@saftbatteries.com</a><br/> <a href="https://www.saftbatteries.com/">https://www.saftbatteries.com/</a></p>  | <p>[c] <b>Test Laboratory</b><br/>         Saft Civil Electronics Division<br/>         Saft America Inc.<br/>         313 Crescent St., Valdese, NC 28690<br/>         USA<br/>         T: 828-874-4111<br/> <a href="mailto:lithium-sales@saftbatteries.com">lithium-sales@saftbatteries.com</a><br/> <a href="https://www.saftbatteries.com/">https://www.saftbatteries.com/</a></p>        |
|   | <p><input checked="" type="checkbox"/> <b>Same Type Part Numbers # (all):</b> 3726041000 3726041100 3726041200 3726041300 37260414000<br/>         3726041500 3726041600 3726041700 3726041800 3726041900 3726042100 3726049300 9145-301<br/>         9145-302 9146-309 9146N-301 9146-702 9143-301 9146-302 9146-9142-301 9146-301 9146-303<br/>         9145-102 2019437-301 2023681-301</p> |
| <p>[f] (i) <input type="checkbox"/> Li-ion <input checked="" type="checkbox"/> Li-metal.</p> <p>(iv) <b>Description:</b> CSI 4-PACK<br/>         Primary (non-rechargeable) Lithium-Sulphur Dioxide (Li-SO<sub>2</sub>) 4S1P LO26SHX battery. 12.0 Volt, 7.5 Ah.</p> <p>(ii) Mass: 554.0g.</p> <p>(iii) <input type="checkbox"/> Watt hour rating or <input checked="" type="checkbox"/> Lithium content: 9.2g.</p> <p>(v) <input type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product. Model number/Part number: 3726048800</p> |  |

| [g] List of Tests Conducted                      | Result (Pass / Fail / N.A.) | Test record reference |
|--|-----------------------------|-----------------------|
| 38.3.4.1 T.1: Altitude simulation                | Pass                        | 7151                  |
| 38.3.4.2 T.2: Thermal test                       | Pass                        | 7151                  |
| 38.3.4.3 T.3: Vibration                          | Pass                        | 7151                  |
| 38.3.4.4 T.4: Shock                              | Pass                        | 7151                  |
| 38.3.4.5 T.5: External short circuit             | Pass                        | 7151                  |
| 38.3.4.6 T.6: Impact/Crush (cell only test)      | Pass                        | 5837                  |
| 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                        | 5837                  |

[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. *Fourth revised edition*

[j] Signatory A. Date: 2020.01.08

Name: Casey Fortune

Title: Test Lab Manager

Signature:



[j] Signatory B. Date: 2020.01.08

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.