

## 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] <input checked="" type="checkbox"/> Battery<br><input checked="" type="checkbox"/> <b>Tested Type Part #:</b> CR123<br><b>Same Type Part #:</b> CR123                                                              | [d] Unique report ID: RZUN2021-2930<br>[e] Report date: 2021-08-05                                                                                                               |
| [b] <b>Manufacturer</b><br>LAKUDA ApS<br>Spettrupvej<br>1A 8722<br>Hedensted<br>Denmark<br>T. +45 76407010<br><a href="mailto:sales@lakuda.dk">sales@lakuda.dk</a><br><a href="http://www.lakuda.dk">www.lakuda.dk</a> | [c] <b>Test Laboratory</b><br>CNAS<br>No.3,Tiantaiyi Road, Kaitai Avenue, Science City,<br>Guangzhou, P.<br>R. China.<br><br>Tel: +86 (020)32293888<br>E-mail: office@cvc.org.cn |

|                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [f] (i) <input type="checkbox"/> Li-ion <input checked="" type="checkbox"/> Li-metal.<br><br>(iv) <b>Description:</b> Lithium metal cell with a capacity of 1500mAh<br><br>(ii) Mass: 15g<br>) x Lithium content: 0,45g<br>Battery<br>Product. Model number/Part number: JAPCELL CR123 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| [g] List of Tests Conducted                      | Result (Pass / Fail / N.A.) | Test record reference |
|--------------------------------------------------|-----------------------------|-----------------------|
| 38.3.4.1 T.1: <b>Altitude</b> simulation         | Pass                        | Page 5                |
| 38.3.4.2 T.2: Thermal test                       | Pass                        | Page 5                |
| 38.3.4.3 T.3: Vibration                          | Pass                        | Page 6                |
| 38.3.4.4 T.4: Shock                              | Pass                        | Page 7                |
| 38.3.4.5 T.5: External short circuit             | Pass                        | Page 8                |
| 38.3.4.6 T.6: Impact/Crush (cell only test)      | Pass                        | Page 9                |
| 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                        | Page 10               |

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. *fifth revised edition, am.2*

[j] Signatory A. Date: 2021.08.09

Name: Klaus V. Hansen

Title: Product Manager / Purchasing Manager

Signature.

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[j] Signatory B. Date: 2021.08.09

Name: Kurt Hansen

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