UN38.3 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 Manual of Tests and Criteria, Part III, subsection 38.3.5

[a] ☐ Cell ☑ Battery ☐ Produkt
☑ **Tested Type Part #:**
PA-LHC19.R001
☐ **Same Type Part #:** as listed below

[d] Unique report ID:
UN.PB.PA-LHC19.R001, UN38.3, Rev.6
[e] Date of test report:
2018-03-23

[b] **Manufacturer**
Fey Elektronik GmbH
Storchenweg 3
21217 Seevetal
Germany
T. +49 40 703 8888-0
info@feyelektronik.de
www.feyelektronik.de

[c] **Test Laboratory**
Fey Elektronik GmbH
Storchenweg 3
21217 Seevetal
Germany
T. +49 40 703 8888-0
info@feyelektronik.de
www.feyelektronik.de

☐ Same Type Part Numbers # (all):

[f] (i) ☑ Lithium-ion ☐ Lithium-metal ☐ Cell ☑ Battery
[f] (ii) Mass: approx. 54 g
[f] (iii) ☑ Watt-hour rating: 9.8 Wh or ☐ Lithium content: g

[f] (v) Model number(s): PA-LHC19.R001
[f] (iv) Physical description: Secondary (rechargeable) Softcase-Pack with one cell and protective device.
Nominal voltage: 3.6V, Nominal capacity: 2.9Ah typical
Used and UN38.3-tested cell type: Panasonic, NCR-18650PF

Our batteries/products are manufactured according to a Quality-Management-System.
For further information visit our website.

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Remark
38.3.4.1 Test T.1: Altitude simulation	Pass	
38.3.4.2 Test T.2: Thermal test	Pass	
38.3.4.3 Test T.3: Vibration	Pass	
38.3.4.4 Test T.4: Shock	Pass	
38.3.4.5 Test T.5: External short circuit	Pass	
38.3.4.6 Test T.6: Impact/Crush	N.A.	for cell testing only
38.3.4.7 Test T.7: Overcharge	Pass	
38.3.4.8 Test T.8: Forced discharge	N.A.	for cell testing only

[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, ST/SG/AC.10/11/Rev.6

Important! The stated signatory affirms, 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 Fey Elektronik and, should Fey Elektronik consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.

[j] Signatory Date: 2020-03-09
Name: Michael Witte
Title: General Manager
Signature: