

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-UL-LNB19.R001
 Same Type Part #: as listed below

[d] Unique report ID:
 UN.PB.PA-UL-LNB19.R001, UN38.3, Rev.6.1
 [e] Date of test report:
 2020-11-27

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

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

Same Type Part Numbers # (all):

[f] (i) Lithium-ion Lithium-metal Cell Battery
 [f] (ii) Mass: approx. 52 g
 [f] (iii) Watt-hour rating: 12 Wh or Lithium content: g
 [f] (v) Model number(s): PA-UL-LNB19.R001
 [f] (iv) Physical description: Secondary (rechargeable) Softcase-Pack with one cell and protective device.
 Nominal voltage: 3.6V, Nominal capacity: 3.35Ah typical
 Used and UN38.3-tested cell type: Panasonic, NCR-18650BF

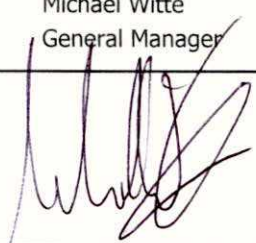
Our batteries/products are manufactured according to a Quality-Management-System.
 For further information visit our website.

[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: <input checked="" type="checkbox"/> Not Applicable. <input type="checkbox"/> UN38.3.3 (f) <input type="checkbox"/> 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/Amend. 1		

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: 2020-11-27
 Name: Michael Witte
 Title: General Manager

Signature: 

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 Tel.: +49 40 703 8888-0
www.feyelektronik.de

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and change. From the first settlers to the present day, the nation has evolved through various stages of development. The early years were marked by exploration and the establishment of colonies. The American Revolution led to the birth of a new nation, and the subsequent years saw the expansion of territory and the growth of industry. The Civil War was a pivotal moment in the nation's history, leading to the abolition of slavery and the strengthening of the federal government. The late 19th and early 20th centuries were characterized by rapid industrialization and the rise of a new middle class. The Great Depression of the 1930s led to significant government intervention in the economy. The mid-20th century saw the United States emerge as a superpower, leading the world in the Cold War. The latter part of the 20th century was marked by social and cultural changes, including the civil rights movement and the Vietnam War. The 21st century has brought new challenges, including the global financial crisis and the rise of digital technology.

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