

Test report identification no.: 2019-04-18-01
Producer: VARTA Microbattery SRL
Bulevardul Grivitei 1X, 500177 Braşov, ROMANIA
Test Laboratory: Underwriters Laboratories Taiwan Co., Ltd.
260 Da-Yeh Road, Peitou, Taipei City, Taiwan 112
Lab-internal reference no.: BATT-4788780710-UN38.3-1
Lab-internal test date: 2016-04-27
Object of the declaration:
Type of battery: Rechargeable Lithium ion battery
Article: 5S/LIC18650-VTC5AH.PCM.PC – SOC 30%
Material no.: 721751
VKB no.: 56646 705 099 (Ref: 6158132660)
IEC Designation: 5INR19/66
Voltage: 18V
Watt-hour rating: 45Wh
Mass (approx.): 465 g

The object of the declaration described above is in conformity with the requirements of the following document:

Documents No.	Title	Edition / Date of issue
ST/SG/AC.10/11/Rev.6 Amend. 1	Recommendations on the Transport of Dangerous Goods, UN Manual of Tests and Criteria, Part III, subsection 38.3	2017

List of tests conducted and results:

Test Item	Test Result
T1. Altitude simulation	Pass
T2. Thermal test	Pass
T3. Vibration	Pass
T4. Shock	Pass
T5. External short circuit	Pass
T6. Impact	Pass *
T7. Overcharge	Pass
T8. Forced Discharge	Pass *

**Reference to report of LIC18650-VTC5AH cell*

Additional information:

In original VARTA packaging the products comply with the following special provisions of international transport regulations:

- IATA DGR: Packing Instruction 965 Section IB (max. 30 % state of charge)
(Transportations of cells or batteries packed with equipment or contained in equipment have to follow Packing Instructions 966 or 967 Section II.)
- ADR/RID/ADN/IMDG Code: Special Provision 188
- DOT / 49 CFR: §173.185 (c)

The products have been manufactured under a quality management programme according to IATA DGR clause 3.9.2.6, ADR clause 2.2.9.1.7 (e) and IMDG code clause 2.9.4.5.

Singapore, 18 April 2019
(place and date of issue)



(company stamp)



(signature)
(Low Chee Leong)
Manager
Technical Support