

**Test report identification no.:** 2019-01-30-01  
**Producer:** PT. VARTA Microbattery (Indonesia)  
**Test Laboratory:** Application Test Lab  
PT. VARTA Microbattery (Indonesia)  
Batam Industrial Park  
Jalan Angsana BLK 309 & 310  
Mukakuning  
Pulau Batam Riau 29433 Indonesia

**Lab-internal reference no.:** JT50505

**Object of the declaration:**

<b>Type of battery:</b>	Rechargeable Lithium ion battery
<b>Article:</b>	1/LPP 523450 S PCM W
<b>Material no.:</b>	715555
<b>VKB no.:</b>	56457 201 012
<b>Voltage:</b>	3.7V
<b>Wh rating:</b>	3.7Wh
<b>Mass:</b>	20 g

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

<b>Documents No.</b>	<b>Title</b>	<b>Edition / Date of issue</b>
ST/SG/AC.10/11/Rev.5 Amend. 1	Recommendations on the Transport of Dangerous Goods, UN Manual of Tests and Criteria, Part III, subsection 38.3	2011

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. Crush	Pass *
T7. Overcharge	Pass
T8. Forced Discharge	Pass *

\*Reference to report of LPP 523450 S cell

Additional information:

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

- ADR/RID/ADN/IMDG Code: Special Provision 188
- DOT / 49 CFR: §173.185 (c) (sea and land transport only)

VARTA packaging for this product is not designed for air transport.  
State of charge of the batteries is greater than 30 % and thus not appropriate for air transport.

Singapore, 30 January 2019  
(place and date of issue)



(company stamp)



(signature)  
(Low Chee Leong)  
Manager  
Technical Support

VARTA Microbattery Pte Ltd  
300 Tampines Avenue 5  
#05-01 Tampines Junction  
Singapore 529653

Phone : (65) 6260 5801  
Fax : (65) 6260 5812  
[info@varta-microbattery.com](mailto:info@varta-microbattery.com)  
[www.varta-microbattery.com](http://www.varta-microbattery.com)  
RCB (Certificate of Incorporation) No. 197201703K