

# UN TEST DECLARATION

**Test Report No.** WT-2019312-65

**Date of issue** 2019-04-11

**Applicant** Avnet Europe Comm.VA (GB)

**Applicant address** Avnet Europe Abacus Plant GB  
Dale Wood Road, Newcastle Under Lyme  
ST5 9QH, United Kingdom

**Manufacturer** Wamtechnik Sp z o.o.  
Wilanowska Avenue 7/3  
02-765 Warsaw, Poland  
Phone: +48 22 701 26 00  
Email: office@wamtechnik.pl  
[www.wamtechnik.pl](http://www.wamtechnik.pl)

**Test laboratory** Wamtechnik Sp z o.o.  
Techniczna 2 Street, building H  
05-500 Piaseczno, Poland  
Phone: +48 22 701 26 00  
Email: office@wamtechnik.pl  
[www.wamtechnik.pl](http://www.wamtechnik.pl)

**Type:** Lithium-Ion battery pack  
**Manufacturer:** Wamtechnik  
**Model:** 4S2P INR18650-29E  
**Configuration:** 4S2P  
**Cell type:** INR18650-29E by Samsung - UN 38.3 Approved  
**Rated:** 14.6 V / 5.34 Ah / 77.96 Wh  
**Mass:** 0.55 kg  
**Appearance:** Black/grey half-oval battery pack

| Tests:                                                               | Result:         |
|----------------------------------------------------------------------|-----------------|
| <input checked="" type="checkbox"/> Test T.1: Altitude Simulation    | Compliant       |
| <input checked="" type="checkbox"/> Test T.2: Thermal Test           | Compliant       |
| <input checked="" type="checkbox"/> Test T.3: Vibration              | Compliant       |
| <input checked="" type="checkbox"/> Test T.4: Shock                  | Compliant       |
| <input checked="" type="checkbox"/> Test T.5: External Short Circuit | Compliant       |
| <input type="checkbox"/> Test T.6: Impact                            | N/A (cell only) |
| <input checked="" type="checkbox"/> Test T.7: Overcharge             | Compliant       |
| <input type="checkbox"/> Test T.8: Forced Discharge                  | N/A (cell only) |

All the tests are conducted in accordance with ST/SG/AC.10/11/Rev.6/Amend.1  
UN Manual of Tests and Criteria, Part III, sub-section 38.3 Lithium metal and lithium ion batteries.

The test results apply only to the samples actually tested by Wamtechnik Sp. z o.o.

**Compiled by:**

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Specialist for Power Sources Testing



**Approved by:**

Rafał Letmanowski

Manager of Power Systems and Certification Laboratory

