

**Lithium cell or battery test summary in accordance
with sub-section 38.3 of UN Manual of Tests and Criteria**



Manufacturer's identification:

Name: : BARTEC GMBH
Address : Max-Eyth Str 16, 1166, Bad Mergentheim, 97980, Germany
Phone number..... : +49 7931 597 187
Email : sebastian.kuhn@bartec.com
Website : www.bartec.de

Testing laboratory:

Name : UL International Polska sp. z o.o.
Address : Rownolegla 4, 02-235 Warszawa, Poland
Phone number..... : +48223363300
Email : info.pl@ul.com
Website : https://poland.ul.com

Test report number..... : 4789922404.3 Revision 1

Test report date..... : 2022-02-17

**Edition of UN Manual of Tests and
Criteria used**..... : ST/SG/AC.10/11/Rev.7

Test item: ☐ cell / ☒ battery / ☐ product
Physical description..... : Small, rechargeable Li-ion single cell battery 1S/1P configuration
Chemistry and type : ☐ lithium metal / ☒ lithium ion ☐ primary / ☒ secondary
Mass : 0.085kg
Lithium content (for lithium metal) ... : N/A
Wh rating (for lithium ion)..... : 12.16Wh
Cell configuration (X-S/Y-P)..... : 1-S/1-P
Model / type reference..... : 17-S1Z0-0001/0001; 17-S1Z0-0001/0003
Ratings..... : 3.8V, 3200mAh, 12.16Wh

List of tests conducted and results: (Pass, Fail, or N/A - not applicable)

T.1: Altitude simulation..... : N/A
T.2: Thermal test..... : N/A
T.3: Vibration..... : N/A
T.4: Shock..... : N/A
T.5: External short circuit : N/A
T.6: ☐ Impact / ☐ Crush : N/A (only applicable to cells)
T.7: Overcharge : Pass
T.8: Forced discharge : N/A (only applicable to cells)

Remarks..... : Single cell Li-ion battery containing one tested cell (cell tested for T.1 to T.6 & T.8)

Assembled battery testing..... : ☐ UN 38.3.3 (f) / ☐ UN 38.3.3 (g) / ☒ N/A

Test summary date : 2023-02-17

**Test summary by
(name + title + signature)** : Michał Siudowski
(Senior Project Engineer)

M Siudowski

**Approved by
(name + title + signature)** : Robert Dmitruk
(Senior Project Engineer)

Robert Dmitruk