

**1. Name of cell / battery**

Li-Ion Battery 12 V / 3 Ah

**2. Manufacturer of cell / battery / product**

|         |   |
|---------|---|
| Name    | Adolf Würth GmbH & Co. KG                             |
| Address | Reinhold-Würth-Str. 12 - 17, 74653 Künzelsau, GERMANY |
| Phone   | +49 7940 15-0   |
| Email   | info@wuerth.com                                       |
| Website | www.wuerth.de   |

**3. Test laboratory of cell / battery / product**

|         |   |
|---------|---|
| Name    | Vkan Certification & Testing Co. Ltd.                                   |
| Address | No 3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou P.R. China |
| Phone   | +20 32293888  |
| Email   | office@cvc.org.cn   |
| Website | http://www.cvc.org.cn   |

**4. ID-number and date**

|  |               |                     |            |
|--|---------------|---------------------|------------|
| Unique test report identification number | RZUN2018-1419 | Date of test report | 2018-06-18 |
|--|---------------|---------------------|------------|

**DESCRIPTION OF CELL / BATTERY**

**5. Mark the type of cell/battery with an "X"**

|   |  |
|---|--|
| <input type="checkbox"/> Lithium ion cell               | <input type="checkbox"/> Lithium metal cell    |
| <input checked="" type="checkbox"/> Lithium ion battery | <input type="checkbox"/> Lithium metal battery |

**6. Parameters**

|  | Cell | Battery |
|--|------|---------|
| Mass in gram [g]:  |      | 190     |
| Lithium ion: Indicate watt-hour rating [Wh]:               |      | 36      |
| Lithium metal: Indicate lithium metal content in gram [g]: |      |         |

**7. Physical description of cell / battery**

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|--|
| <b>Name of cell/battery [taken from field I]</b> |
| Li-Ion Battery 12 V / 3 Ah                       |

|                         |                 |                        |
|-------------------------|-----------------|------------------------|
| <b>8. Model numbers</b> |                 |                        |
| Part-No.:               | Würth Part-No.: | Description:           |
| Akku-LI-12V / 3 Ah      | 0700 956 331    | Akku Li-Ion 12V / 3 Ah |


**TESTS AND RESULTS**

| <b>9. List of tests conducted and results - Mark N/A, pass or fail with an "X"</b> | <b>N/A</b>               | <b>pass</b>                         | <b>fail</b>              |
|--|--------------------------|-------------------------------------|--------------------------|
| T1 - Altitude simulation   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T2 - Thermal Test  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T3 - Vibration   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T4 - Shock   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T5 - External Short Circuit  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T6 - Impact/ Crush   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| T7 - Overcharge  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TB - Forced Discharge  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
|  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

|  |     |  |
|--|-----|--|
| <b>10. Reference to assembled battery testing requirements</b> |     |  |
|  | N/A |  |

|  |
|--|
| <b>11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto</b> |
| Revision 6, Amendment 1  |

|   |
|---|
| <b>12. The manufacture of the cell / battery is in accordance with the documented quality management system as required by the regulations.</b> |
|---|

|                        |                                       |  |
|------------------------|---------------------------------------|--|
| <b>13. Place, Date</b> | <b>14. Title, Surname, First name</b> | <b>15. Company stamp and signature</b>   |
| Künzelsau, 2020-07-06  | Manfred Böhm                          | <br><small>Adolf Würth GmbH &amp; Co. KG<br/>                 Reinhold-Würth-Str. 12-17<br/>                 74653 Künzelsau/Deutschland<br/>                 T +49 7940 15-0 · F +49 7940 15-1000<br/>                 info@wuertth.com · www.wuertth.de</small> |