

LITHIUM CELL/BATTERY TEST SUMMARY

IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA



N/A = Not Applicable

| |
|-----------------------------------|
| 1. Name of cell / battery |
| 2447-3031-20 (3S1P) 11,1V 3450mAh |

| | |
|--|------------------------------------|
| 2. Manufacturer of cell / battery / product | |
| Name | Ansmann AG |
| Address | Industriestr. 10, 97959 Assamstadt |
| Phone | +49 6294 4204-0 |
| Email | info@ansmann.de |
| Website | www.ansmann.de |

| | |
|---|--|
| 3. Test laboratory of cell / battery / product | |
| Name | Pony Testing International Group |
| Address | PONY HQ Building:Building 1, No.66 Jindai Road, Zhongguancun Environmental Protection Park |
| Phone | 400-819-5688 |
| Email | pony@ponytest.com |
| Website | www.ponytest.com |

| | | | |
|--|--------------------|---------------------|------------|
| 4. ID-number and date | | | |
| Unique test report identification number | MDMIM2AYU536987A21 | Date of test report | 12.12.2016 |

DESCRIPTION OF CELL / BATTERY

| | | | |
|--|--|-----------------------|-----------------------|
| 5. Mark the type of cell/battery with an "•" | | | |
| <input type="radio"/> Lithium ion cell | | Lithium metal cell | <input type="radio"/> |
| <input checked="" type="radio"/> Lithium ion battery | | Lithium metal battery | <input type="radio"/> |

| 6. Parameters | Cell | Battery |
|--|-------------|----------------|
| Mass in gram (g): | | 151,3 |
| Lithium ion: Indicate watt-hour rating (Wh): | | 38,295 |
| Lithium metal: Indicate lithium metal content in gram (g): | | 1,21 |

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| 7. Physical description of cell / battery |
| Lithium-Ion |

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| |
|--|
| Name of cell/battery (taken from field 1) |
| 2447-3031-20 (3S1P) 11,1V 3450mAh |

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|---|
| 8. Model numbers |
| 2447-3031-20; 2447-3031-20-520; 2447-3031-21; 2447-3031-220 |

TESTS AND RESULTS

| 9. List of tests conducted and results - Mark N/A, pass or fail with an "•" | N/A | pass | fail |
|---|-----------------------|----------------------------------|-----------------------|
| T1 - Altitude simulation | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T2 - Thermal Test | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T3 - Vibration | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T4 - Shock | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T5 - External Short Circuit | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T6 - Impact / Crush | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T7 - Overcharge | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| T8 - Forced Discharge | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| | | |
|--|-----|----------------------|
| 10. Reference to assembled battery testing requirements | | |
| | N/A | <input type="text"/> |

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| 11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto |
| ST-SG-AC10-11-Rev.6 - UN38.3 |

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| 12. The manufacture of the cell / battery is in accordance with the documented quality management system as required by the regulations. |
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| 13. Place, Date | 14. Title, Surname, First name | 15. Company stamp and signature |
|-----------------------|--------------------------------|--|
| Assamstadt 14.11.2019 | Adrian Selke | Selke, Adrian <small>Digital unterschrieben von Selke, Adrian Datum: 2019.11.18 10:46:28 +01'00'</small> |