

# 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

Lithium-Ion Battery 18500 3.7V 1300mAh, 4.81Wh

## 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    | Shenzhen Anbotek Compliance Laboratory Limited                                                     |
| Address | East of 4/F. Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao an District, Shenzhen, C |
| Phone   | (86)755-26066126                                                                                   |
| Email   | service@anbotek.com                                                                                |
| Website | http://www.anbotek.com                                                                             |

## 4. ID-number and date

|                                          |                 |                     |            |
|------------------------------------------|-----------------|---------------------|------------|
| Unique test report identification number | 18270BC10245001 | Date of test report | 08.09.2021 |
|------------------------------------------|-----------------|---------------------|------------|

## DESCRIPTION OF CELL / BATTERY

### 5. Mark the type of cell/battery with an "•"

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

### 6. Parameters

|                                                            | Cell | Battery |
|------------------------------------------------------------|------|---------|
| Mass in gram (g):                                          |      | 34.9    |
| Lithium ion: Indicate watt-hour rating (Wh):               |      | 4.81    |
| Lithium metal: Indicate lithium metal content in gram (g): |      |         |

### 7. Physical description of cell / battery

Single Li-Ion round (cylindrical) cell, size 18500, with internal safety pcb

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**Name of cell/battery** (taken from field 1)

Lithium-Ion Battery 18500 3.7V 1300mAh, 4.81Wh

## 8. Model numbers

Ansmann Part No.: 990-00136

## 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"/> |

## 11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto

ST-SG-AC10-11-Rev.7, Part III sub-section 38.3

## 12. The manufacture of the cell / battery is in accordance with the documented quality management system as required by the regulations.

| 13. Place, Date        | 14. Title, Surname, First name | 15. Company stamp and signature                                                                                     |
|------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Assamstadt, 13.09.2022 | Technician, Gramlich, Timo     | Timo Gramlich<br><small>Digital unterschrieben von Timo Gramlich<br/>Datum: 2022.09.13 14:43:03<br/>+02'00'</small> |