

# 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

1516-0013 CR3032 Lithium manganese dioxide Battery 3,0V 500~550 mAh

## 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    | Guangzhou MCM Certification and Testing Co., Ltd              |
| Address | No.3, Zhongsan Road, Guangzhou Panyu Shiguang Road, Guangzhou |
| Phone   | 4008-368-355  |
| Email   | 24h@mcmtek.com  |
| Website | http://www.mcmtek.com   |

## 4. ID-number and date

|  |                 |                     |           |
|--|-----------------|---------------------|-----------|
| Unique test report identification number | LJKJ20170807U01 | Date of test report | 23.8.2017 |
|--|-----------------|---------------------|-----------|

## DESCRIPTION OF CELL / BATTERY

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

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

## 6. Parameters

|  | Cell  | Battery |
|--|-------|---------|
| Mass in gram (g):  | 7,03  |         |
| Lithium ion: Indicate watt-hour rating (Wh):               | 1.65  |         |
| Lithium metal: Indicate lithium metal content in gram (g): | 0,133 |         |

## 7. Physical description of cell / battery

Lithium manganese dioxide

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|   |
|---|
| <b>Name of cell/battery</b> (taken from field 1)                    |
| 1516-0013 CR3032 Lithium manganese dioxide Battery 3,0V 500~550 mAh |

|                         |
|-------------------------|
| <b>8. Model numbers</b> |
| 1506-0009; 1516-0013    |

## 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 checked="" type="radio"/> | <input 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"/> |

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

|  |
|--|
| <b>11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto</b> |
| ST-SG-AC10-11-Rev6-38.3  |

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

| 13. Place, Date | 14. Title, Surname, First name | 15. Company stamp and signature   |
|-----------------|--------------------------------|---|
| Assamstadt      | Adrian Selke                   | Selke, Adrian<br><small>Digital unterschrieben von Selke, Adrian<br/>Datum: 2020.01.01 17:07:34 +01'00'</small> |