

# 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

CR2450 Lithium Manganese Dioxide Battery

## 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	1F No.13, Zhong San Section, ShiGuang Road; Panyu District, Guangzhou City, Guangdong Provi
Phone	0086-20-34777662, 0086-20-34777663, 0086-20-34777665-609
Email	markmiao@mcmtek.com
Website	http://www.mcmtek.com

## 4. ID-number and date

Unique test report identification number	LJKJ20180405Z01	Date of test report	26.04.2018
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## 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):	6.7	
Lithium ion: Indicate watt-hour rating (Wh):		
Lithium metal: Indicate lithium metal content in gram (g):	0.165	

## 7. Physical description of cell / battery

button cell, diameter 24mm, height 5.0mm; nom. voltage 3.0V

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<b>Name of cell/battery</b> (taken from field 1)
CR2450 Lithium Manganese Dioxide Battery

<b>8. Model numbers</b>
CR2450

## 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="checkbox"/>

<b>11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto</b>
ST/SG/AC.10/11/Rev.6 section 38.3

**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</b>	<b>14. Title, Surname, First name</b>	<b>15. Company stamp and signature</b>
Assamstadt, 12.02.2020	Technician, Gramlich, Timo	Timo Gramlich <small>Digital unterschrieben von Timo Gramlich Datum: 2020.02.24 10:38:44 +01'00'</small>