

# 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

CR2032 3V 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	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	LJKJ20180112U01	Date of test report	01.02.2018
--	-----------------	---------------------	------------

## 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):	3,09	
Lithium ion: Indicate watt-hour rating (Wh):	0,735	
Lithium metal: Indicate lithium metal content in gram (g):	0,064	

### 7. Physical description of cell / battery

Lithium manganese dioxide

# LITHIUM CELL/BATTERY TEST SUMMARY

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



<b>Name of cell/battery</b> (taken from field 1)
CR2032 3V Lithium manganese dioxide Battery

<b>8. Model numbers</b>
5020121; 5020121-1; 5020122; 1516-0033; 1516-0026; 5020122-590; 5020122-590-4; 5020122-570; 5020122-590-1

## 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 <small>Digital unterschrieben von Selke, Adrian Datum: 2019.12.16 10:32:24 +01'00'</small>