

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 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	Vkan Certification & Testing Co., LTD
Address	No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, P.R. China
Phone	0086-20-32293888
Email	office@cvc.org.cn
Website	http://www.cvc.org.cn

4. ID-number and date

Unique test report identification number	RZUN2018-4160	Date of test report	08.01.2019
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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 type="radio"/> Lithium ion battery	<input type="radio"/> Lithium metal battery

6. Parameters

	Cell	Battery
Mass in gram (g):	2.9	
Lithium ion: Indicate watt-hour rating (Wh):		
Lithium metal: Indicate lithium metal content in gram (g):	~ 0.065	

7. Physical description of cell / battery

button cell, diameter 20mm, height 3.2mm; nom. voltage 3.0V

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Name of cell/battery (taken from field 1)

CR2032 Lithium Manganese Dioxide Battery

8. Model numbers

CR2032

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"/>

10. Reference to assembled battery testing requirements

	N/A	<div></div>

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

ST/SG/AC.10/11/Rev.6 /Amend.1/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, 18.02.2020	Technician, Gramlich, Timo	Timo Gramlich <small>Digital unterschrieben von Timo Gramlich Datum: 2020.02.19 15:02:49 +01'00'</small>