## 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	
CR1632 3V Lithium manganese dioxide Battery	

2. Manufac	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 labo	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	LJKJ20180901U08	Date of test report	25.09.2018

## **DESCRIPTION OF CELL / BATTERY**

5. Mark the type of cell/battery with an "•"	
Lithium ion cell	Lithium metal cell
Lithium ion battery	Lithium metal battery

6. Parameters	Cell	Battery
Mass in gram (g):	1,8	
Lithium ion: Indicate watt-hour rating (Wh):	0,39	
Lithium metal: Indicate lithium metal content in gram (g):	0,33	

7. Physical description of cell / battery
Lithium manganese dioxide

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## LITHIUM CELL/BATTERY TEST SUMMARY

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

Assamstadt



Selke, Adrian Digital unterschrieben von Selke, Adrian Datum: 2019.12.16 10:36:25 +01'00'

8. Model numbers  1506-0002, 1516-0004, 1516-0004-570, 1516-0004-AU  TESTS AND RESULTS  9. List of tests conducted and results - Mark N/A, pass or fail with an "•" N/A pass fail with an "1- Altitude simulation	Name of cell/battery (taken from fi	ield 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	CR1632 3V Lithium manganese diox	xide Battery				
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	9 Madal numbers					
### TESTS AND RESULTS  9. List of tests conducted and results - Mark N/A, pass or fail with an "**"  T1 - Altitude simulation  T2 - Thermal Test  T3 - Vibration  T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A   11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3						
9. List of tests conducted and results - Mark N/A, pass or fail with an "•" N/A pass fail T1 - Altitude simulation	1506-0002, 1516-0004, 1516-00	004-570, 1516-0004-AU				
T1 - Altitude simulation  T2 - Thermal Test  T3 - Vibration  T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	TESTS AND RESULTS					
T2 - Thermal Test  T3 - Vibration  T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  T9 - Forced Discharge  T0 - Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	9. List of tests conducted and resu	ults - Mark N/A, pass or fail with an "	•" N,	/A	pass	fail
T3 - Vibration  T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	T1 - Altitude simulation			$\bigcirc$	•	
T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  T9 - Forced Discharge  T0 - Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-S6-AC10-11-Rev6-38.3	T2 - Thermal Test			$\bigcirc$		
T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	T3 - Vibration			$\bigcirc$	•	
T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	T4 - Shock			$\bigcirc$	•	
T7 - Overcharge  T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	T5 - External Short Circuit			$\bigcirc$	•	
T8 - Forced Discharge  10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther ST-SG-AC10-11-Rev6-38.3	T6 - Impact / Crush			O	•	O
10. Reference to assembled battery testing requirements  N/A  11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther  ST-SG-AC10-11-Rev6-38.3	T7 - Overcharge			•	O	O
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther  ST-SG-AC10-11-Rev6-38.3	T8 - Forced Discharge			Ŏ	•	O
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther  ST-SG-AC10-11-Rev6-38.3				Ŏ	Ŏ	Ŏ
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther  ST-SG-AC10-11-Rev6-38.3				Ŏ	Ŏ	Ŏ
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther  ST-SG-AC10-11-Rev6-38.3	10. Reference to assembled batter	y testing requirements				
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments ther  ST-SG-AC10-11-Rev6-38.3						
ST-SG-AC10-11-Rev6-38.3				N/A		
	11. Reference to the revised editio	n of the Manual of Tests and Criteria	used and	to ame	ndments	thereto
12. The manufacture of the cell / hattery is in accordance with the documented quality management	ST-SG-AC10-11-Rev6-38.3					
system as required by the regulations.			umented q	luality	managen	nent
13 Place Nate 14 Title Surname First name 15 Company stamp and signa	17.01	1,	15.6			

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Adrian Selke