LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

N/A = Not Applicable

1. Name/Description of cell
Cylindrical Lithium-ion Rechargeable Cell 21700 3,7V 4000mAh in BGS Art. 85354

2. Manufacturer of cell	
Name	Guangxi Yuneng Siyuan New Energy Technology Co., Ltd
Address	Building 17, Shenbai Industrial Park, Baidong New District, Sitang Town, Youjiang District, Baise City, Guangxi Zhuang Autonomous Region, China
Phone	0086-186-88985878
Email	N/A
Website	N/A

2a. Manufacturer of the equipment (if the cell is contained in equipment)	
Name	--- Confidential Information ---
Address	
Phone	
Email	
Website	

3. Test laboratory of cell	
Name	Shanghai Institute of Chemical Industry Testing Co., Ltd
Address	No. 235 East Yunling Road, Shanghai, China
Phone	0086-21-31765555
Email	battery@ghs.cn
Website	www.ghs.cn

4. ID-number and date			
Unique test report identification number	1122010425	Date of test report	08.03.2022

DESCRIPTION OF CELL

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

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LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

Name/Description of cell (taken from field 1)
Cylindrical Lithium-ion Rechargeable

6. Parameters	Cell
Mass in gram (g):	69,5
Lithium ion: Indicate watt-hour rating (Wh):	14,8
Lithium metal: Indicate lithium metal content in gram (g):	

7. Physical description of cell
Cylindrical Cell

8. Model numbers
21700

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	○	●	○
T2 - Thermal Test	○	●	○
T3 - Vibration	○	●	○
T4 - Shock	○	●	○
T5 - External Short Circuit	○	●	○
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm	○	●	○
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm	●	○	○
T7 - Overcharge	●	○	○
T8 - Forced Discharge	○	●	○
	○	○	○
	○	○	○

10. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto
UNITED NATIONS "Recommendations on the Transport of Dangerous Goods" Manual of Test Criteria (ST/SG/AC.10/11/Rev.7/Section 38.3)

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LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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Name/Description of cell (taken from field 1)
Cylindrical Lithium-ion Rechargeable

ADDITIONAL SUPPLIER INQUIRY

11. Quality management system for manufacturing cells Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	●	YES	○	NO

12. Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium metal cell: more than 1 g Lithium	○	YES	●	NO

Check point 13 – 15 need to be answered when 13 has been ticked "YES":					
13. Does each cell incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	○	YES	●	NO	
14. Is each cell equipped with an effective means of preventing external short circuits?	○	YES	○	NO	
15. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)	Not relevant for cells		●	N/A	

16. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells and lithium polymer cells						
State of Charge (SoC) max. 30 %	○	N/A	●	YES	○	NO

CELLS INSTALLED IN EQUIPMENT

17. Check point 17 needs to be answered when the cells are installed in articles:						
17.a) Only button cells enclosed?			○	YES	●	NO
17.b) Number of enclosed cells (other than button cells) per equipment					1	
When the equipment is intentionally active/switched on during transport e.g. data loggers:						
17.c) Confirmation that no dangerous amount of heat is emitted from the equipment	○	N/A	●	YES	○	NO
17.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	●	N/A	○	YES	○	NO

18. Place, Date	19. Title, Surname, First name	20. Company stamp and signature
Wermelskirchen, 18.09.2025	Purchase Manager Kraft, René	BGS technic KG Bandwirkerstr. 3 42929 Wermelskirchen Tel.: +49 (0) 2196-720480 E-mail: mail@bgs-technic.de www.bgstechnic.com Digital unterschrieben von Rene Kraft Datum: 2025.09.18 14:17:54 +02'00'

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