

LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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

N/A = Not Applicable

1. Name of cell / battery
Li-ion Cell 14500 3.7V 500 mAh 1.85 Wh

2. Manufacturer of cell / battery	
Name	Shantoushi Yaohui New Energy Co., LTD
Address	Liannan Industrial Zone, Lianxia Town, Chenghai District, Shantou City
Phone	+86 754-85179033
Email	79832378@qq.com
Website	

3. Test laboratory of cell / battery	
Name	Shanghai Institute of Chemical Industry Testing Co., Ltd.
Address	No. 345 East Yunling Road, Putuo, Shanghai, China 200062
Phone	+86 21 31765555
Email	battery@ghs.cn
Website	www.ghs.cn

4. ID-number and date			
Unique test report identification number	1121060692	Date of test report	2021-08-06

DESCRIPTION OF CELL / BATTERY

5. Mark the type of cell/battery with an "x"			
<input type="radio"/>	Lithium ion cell	Lithium metal cell	<input type="radio"/>
<input checked="" type="radio"/>	Lithium ion battery	Lithium metal battery	<input type="radio"/>
<input type="radio"/>	Lithium hybrid battery		

6. Parameters	Cell	Battery
Mass in gram (g):		16,8
Lithium ion: Indicate watt-hour rating (Wh):		1,85
Lithium metal: Indicate lithium metal content in gram (g):		
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):		g
		Wh

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Name of cell/battery (taken from field 1)

Li-ion Cell 14500 3.7V 500 mAh 1.85 Wh

7. Physical description of cell / battery

purple red cylinder plastic film shell

8. Model numbers

24673 Big Wheeler
24674 Power Dragon
24678 My little Dumper
24679 My little Digger

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 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

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

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Name of cell/battery (taken from field 1)

PolymLi-ion Cell 14500 3.7V 500 mAh 1.85 Wh

ADDITIONAL SUPPLIER INQUIRY

12. Quality management system for manufacturing cells / batteries Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	<input checked="" type="radio"/>	YES	NO	<input type="radio"/>
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13. Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium ion battery: more than 100 Wh Lithium metal cell: more than 1 g Lithium Lithium metal battery: more than 2 g Lithium Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh	<input type="radio"/>	YES	NO	<input checked="" type="radio"/>
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Check point 14 – 16 need to be answered when 13 has been ticked "YES":

14. Does each cell / battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	<input type="radio"/>	YES	NO	<input type="radio"/>
15. Is each cell / battery equipped with an effective means of preventing external short circuits?	<input type="radio"/>	YES	NO	<input type="radio"/>
16. 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.)?	<input type="radio"/>	N/A	YES	NO

17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells/batteries and lithium polymer cells/batteries

State of Charge (SoC) max. 30 %	<input type="radio"/>	YES	NO	<input type="radio"/>
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CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the cells / batteries are installed in articles:				
18.a) Only button cells enclosed?	<input type="radio"/>	YES	NO	<input checked="" type="radio"/>
18.b) Number of enclosed cells (other than button cells)/batteries per equipment				
Enclosed cells per equipment	Enclosed batteries per equipment		1	
When the equipment is intentionally active/switched on during transport e.g. data loggers:				
18.c) Confirmation that no dangerous amount of heat is emitted from the equipment	<input checked="" type="radio"/>	N/A	<input type="radio"/>	YES
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	<input checked="" type="radio"/>	N/A	<input type="radio"/>	YES

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
Bünde, 2023.11.16	Schreiber, Christian Manager Product Safety & Quality Assurance	Carrera Revell Europe GmbH Helmholtzstraße 20-30 32257 Bünde

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