

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 Battery 14500/500 mAh 7.4 V

2. Manufacturer of cell / battery	
Name	Shantou Jinlongjie Electronics Co., LTD
Address	F/3, NO.2 Factory, Shatianpian Industrial Park West, Chenghua Industrial District, Chenghau District, Shantou City
Phone	
Email	
Website	

3. Test laboratory of cell / battery	
Name	Shenzhen Baihang Testing Co., Ltd.
Address	Room 202, D/F, Building F, HaoWei Industrial Park, QingSong West Road, PingShan District, Shenzhen, Guangdong, China/51800
Phone	+86 755 8650 3482
Email	cs@hc-stc.net
Website	www.hc-stc.net

4. ID-number and date			
Unique test report identification number	RSZBHST190919653	Date of test report	07.01.2020

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):		35,0 g
Lithium ion: Indicate watt-hour rating (Wh):		3,7
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 Battery 14500/500 mAh 7.4 V

7. Physical description of cell / battery

full item

8. Model numbers

24557 Monster Truck King of the Forrest
24558 Monster Truck Big Shark
24559 Monster Truck Predator

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 type="radio"/>	<input type="radio"/>
T2 - Thermal Test	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T3 - Vibration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T4 - Shock	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T5 - External Short Circuit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T6 - Impact / Crush	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T7 - Overcharge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T8 - Forced Discharge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
for all above	<input type="radio"/>	<input checked="" 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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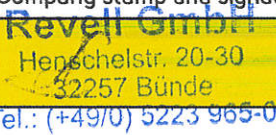
Name of cell/battery (taken from field 1)

Li-ion Battery 14500/500 mAh 7.4 V

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"/>
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"/>
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"/>

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, 2020.10.01		Schreiber, Christian Quality Assurance & Product Safety		 Revell GmbH Henschelstr. 20-30 32257 Bünde Tel.: (+49/0) 5223 965-0	