

# 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

<b>1. Name of cell / battery</b>	
Li-ion Polymer Battery 701419	

<b>2. Manufacturer of cell / battery</b>	
Name	Henan Simate New Energy Co. Ltd.
Address	100m West of the intersection of Huayuan Road and West 2nd Ring Road in Biyang County, China
Phone	n.n.
Email	n.n.
Website	n.n.

<b>3. Test laboratory of cell / battery</b>	
Name	Guangdong ESTL Technology Co., Ltd.
Address	Room 101, 201-208, Unit 1, Building 1, No. 9 Headquarters 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China
Phone	n.n.
Email	n.n.
Website	n.n.

<b>4. ID-number and date</b>			
Unique test report identification number	S03A23010093U00101	Date of test report	2023-01-23

## DESCRIPTION OF CELL / BATTERY

<b>5. Mark the type of cell/battery with an "x"</b>			
<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		

<b>6. Parameters</b>	<b>Cell</b>	<b>Battery</b>
Mass in gram (g):		4.5 g
Lithium ion: Indicate watt-hour rating (Wh):		0.33
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)

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## 7. Physical description of cell / battery

silvery gray

## 8. Model numbers

23989 RC Helicopter "Mosquito"

## 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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## ADDITIONAL SUPPLIER INQUIRY

<b>12. Quality management system for manufacturing cells / batteries</b> 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"/>
<b>13. Are the following parameters exceeded?</b> 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"/>
<b>Check point 14 – 16 need to be answered when 13 has been ticked "YES":</b>				
<b>14.</b> 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"/>
<b>15.</b> Is each cell / battery equipped with an effective means of preventing external short circuits?	<input type="radio"/>	YES	NO	<input type="radio"/>
<b>16.</b> 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
<b>17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells/batteries and lithium polymer cells/batteries</b>				
State of Charge (SoC) max. 30 %	<input type="radio"/>	YES	NO	<input type="radio"/>

## CELLS/BATTERIES INSTALLED IN EQUIPMENT

<b>18. Check point 18 needs to be answered when the cells / batteries are installed in articles:</b>				
<b>18.a) Only button cells enclosed?</b>	<input type="radio"/>	YES	NO	<input checked="" type="radio"/>
<b>18.b) Number of enclosed cells (other than button cells)/batteries per equipment</b>				
Enclosed cells per equipment	Enclosed batteries per equipment		1	
<b>When the equipment is intentionally active/switched on during transport e.g. data loggers:</b>				
<b>18.c) Confirmation that no dangerous amount of heat is emitted from the equipment</b>	<input checked="" type="radio"/>	N/A	YES	NO
<b>18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160</b>	<input checked="" type="radio"/>	N/A	YES	NO
<b>19. Place, Date</b>	<b>20. Title, Surname, First name</b>		<b>21. Company stamp and signature</b>	
Bünde, 2024-10-22	Schreiber, Christian Manager Product Safety & Quality Assurance		 Carrera Revell Europe GmbH Henschelstraße 20-30 482257 Bünde Tel.: (+49/0) 5223 965-0	