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
LITHIUM CELL ICR 18650 - 2000mAh

2. Manufacturer of cell / battery	
Name	QiXin Advanced Power Source Materials Co., LTD
Address	Sanliqiao, Xinhui Road, Xinxiang City, Henan Province 453002, P.R. China
Phone	0373-2688565
Email	qixin battery @ yeah. net
Website	www. qixinkeji. com

3. Test laboratory of cell / battery	
Name	Shanghai Research Institute of Chemical Industry Testing Centre
Address	NO. 345 Yun Ling East Road, Shanghai city, China
Phone	021-31765555
Email	zmh @ ghs. cn
Website	www. ghs. cn

4. ID-number and date			
Unique test report identification number	1117110106	Date of test report	2017-12-12

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	○
○	Lithium hybrid battery		

6. Parameters	Cell	Battery
Mass in gram (g):	43g	
Lithium ion: Indicate watt-hour rating (Wh):	7.4Wh	
Lithium metal: Indicate lithium metal content in gram (g):	1.19	
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):		g Wh

宁波市天铭工具有限公司
NINGBO TMG TOOLS CO.,LTD

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LITHIUM BATTERY SERVICE

LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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

Name of cell/battery (taken from field 1)

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?	● YES	○ NO
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	○ YES	● NO

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?		○ YES	○ NO
15. Is each cell / battery equipped with an effective means of preventing external short circuits?		○ YES	○ NO
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.)?	○ 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 %	● YES	○ NO

CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the cells / batteries are installed in articles:		○ YES	○ NO
18.a) Only button cells enclosed?			
18.b) Number of enclosed cells (other than button cells)/batteries per equipment			
	Enclosed cells per equipment	Enclosed batteries per equipment	
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	○ N/A	○ YES	○ NO
18.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

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
NINGBO, China 2020.7.10	Sam'i Fang	宁波市天铭工具有限公司 NINGBO TMG TOOLS CO.,LTD

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

Name of cell/battery (taken from field 1)

7. Physical description of cell / battery
ICR 18650

8. Model numbers
ICR 18650

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 / Crush	○	•	○
T7 - Overcharge	•	○	○
T8 - Forced Discharge	○	•	○
	○	○	○
	○	○	○

10. Reference to assembled battery testing requirements		
UN 38.3	N/A	

11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto
Rev. 6

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Version 1/2019

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