

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

Name/Description of cell

Rechargeable Li-ion cell

Manufacturer of cell

Name	Far East First New Energy Co., Ltd
Address	No.39 Jingfa Avenue, Economic Development Zone, Yichun City, Jiangxi Province, People 's Republic of China
Phone	0510-87249788
E-Mail	87242500@600869.com
Website	

Manufacturer of the equipment (if the cell is contained in equipment)

Name	Shenzhen OMO Technology CO. LTD
Address	3F, Complex Bld, 2nd Industrial Park of Nankeng, Bantian Town, Longgang District, Shenzhen, China
Phone	86-0755-5225905
E-Mail	Sales1@oumeiou.com
Website	www.oumeiou.com

Test laboratory of cell

Name	Vkan Certification & Testing Co., Ltd.
Address	No.39 Jingfa Avenue, Economic Development Zone, Yichun City, Jiangxi Province, People 's Republic of China
Phone	86-20-3229-3693
E-Mail	
Website	

ID-number and date

Unique test report identification number	RZUN2017-0641
Date of test report	2017-02-23

DESCRIPTION OF CELL (Mark with an "X")

Lithium ion cell	X
Lithium metal cell	

Parameters

Mass in gram (g):	45.5g
Lithium ion: Indicate watt-hour rating (Wh):	0.925Wh
Lithium metal: Indicate lithium metal content in gram (g):	0.16

Physical description of cell

Rechargeable Li-ion cell

Model numbers

18650

TESTS AND RESULTS

List of tests conducted and results - Mark N/A, pass or fail with an "X"	N/A	Pass	Fail
T1 - Altitude simulation		X	
T2 - Thermal Test		X	
T3 - Vibration		X	
T4 - Shock		X	
T5 - External Short Circuit		X	
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm		X	
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm		X	
T7 - Overcharge		X	
T8 - Forced Discharge		X	

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 and Criteria

ADDITIONAL SUPPLIER INQUIRY

Mark Yes or no with an "X"	Yes	No
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?	X	
Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium metal cell: more than 1 g Lithium		X

Check point 13 - 15 need to be answered when 12 has been ticked "YES":

Mark Yes or no with an "X"	Yes	No
Does each cell incorporate a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	X	
Is each cell equipped with an effective means of preventing external short circuits?	X	
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		

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

State of Charge (SoC) max. 30 %	X	
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CELLS INSTALLED IN EQUIPMENT

Check point 17 needs to be answered when the cells are installed in articles: Mark N/A, pass or fail with an "X"	N/A	Pass	Fail
17c) Only button cells enclosed?		X	
17b) Number of enclosed cells (other than button cells) per equipment			
When the equipment is intentionally active/switched on during transport e.g. data loggers:			
17c) Confirmation that no dangerous amount of heat is emitted from the equipment		X	
17d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160		X	

Place, Date	Title, Surname, First Name	Company stamp and Signature
Shenzhen 2019.11.26		