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 Polymer Battery V30145-K1310-X474

2. Manufacturer of cell / battery	
Name	Ningbo Veken Battery Co., Ltd.
Address	No.2, Area 0212, West Zone, Free Trade Zone, Ningbo, Zhejiang Province, China
Phone	+86-574-86822355
Email	nbvkbatteryqa@mail.veken.com
Website	www.vekenbattery.com

3. Test laboratory of cell / battery	
Name	Shenzhen NTEK Testing Technology Co., Ltd.
Address	1/F, Building C, Fenda Science Park,Sanwei Community, Xixiang Street, Bao'an D
Phone	+86-755-6115 6588
Email	kevin@ntek.org.cn
Website	www.ntek.org.cn

4. ID-number and date			
Unique test report identification number	S19071201602001	Date of test report	2019-07-16

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):	41	87
Lithium ion: Indicate watt-hour rating (Wh):	11.55	23.1
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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LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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Name of cell/battery (taken from field 1)
Li-ion Polymer Battery V30145-

7. Physical description of cell / battery
Silvery and Prismatic,T×W×H 7.65×59.20×85.10mm

8. Model numbers
V30145-K1310-X474

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		
	N/A	✔

11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto
ST/SG/AC.10/11/Rev.6/Amend.1

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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)
Li-ion Polymer Battery V30145-

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:				
18.a) Only button cells enclosed?		YES	NO	●

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		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
Shenzhen 2019/10/29	Wei Yudan QA Manager 2019. 10. 31	

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