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 ion Polymer Cell 501419PL					
Manufacturer of cell / battery					
Name nanyang Huachhuang New Ene	rayCo Ltd				
Address	igyoo. Ltd				
Phone					
Email					
Website					
· · · · · · · · · · · · · · · · · · ·					
3. Test laboratory of cell / battery					
Name Shenzhen TCT Testing Technology					
Address					
Phone	e Silvania de la companya de la comp				
Email					
Website Message Messag					
(ID annels and date					
4. ID-number and date					
Unique test report identification number TCT180309B022 Date of test		Date of test re	report 2018/03/16		
DESCRIPTION OF CELL / BATTERY					
5. Mark the type of cell/battery with an "•"					
X Lithium ion cell Lithium metal			al cell		
Lithium ion battery		Lith	thium metal battery		
Lithium hybrid battery					
6. Parameters			Cell	Battery	
Mass in gram (g):				3	
Lithium ion: Indicate watt-hour rating (Wh):				0,28	
Lithium metal: Indicate lithium metal content in gram (g):					
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):				g	
Lithium nybrid: Indicate tithium metat content in gram (g) and watt-hour rating (vvn).				Wh	

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)

Polymer lithium ion Battery

8. Model numbers 24970 Copterball 24974 Copterball 24974 Copterball 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 for all above 10. Reference to assembled battery testing requirements	7. Physical description of cell / battery		Han (1905) 1903, 1903, 1904	
8. Model numbers 24970 Copterball 24974 Copterball 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	prismatic			
24970 Copterball 24974 Copterball 24974 Copterball 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 O O T2 - Thermal Test O O T3 - Vibration O O T4 - Shock O O T5 - External Short Circuit O O T6 - Impact / Crush O O T7 - Overcharge O O T8 - Forced Discharge O O T8 - Forced Discharge O O T8 - Forced Discharge O O T9 - Overcharge O O T9 - O				
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 for all above 10. Reference to assembled battery testing requirements	8. Model numbers		***************************************	
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T1 - Altitude simulation T2 - Thermal Test T3 - Vibration T4 - Shock T5 - External Short Circuit T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	TESTS AND RESULTS			
T2 - Thermal Test T3 - Vibration T4 - Shock T5 - External Short Circuit T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	9. List of tests conducted and results - Mark N/A, pass or fail with an "•"	N/A	pass	fail
T3 - Vibration T4 - Shock T5 - External Short Circuit T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	T1 - Altitude simulation	0		
T4 - Shock T5 - External Short Circuit T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	T2 - Thermal Test	0	0	
T5 - External Short Circuit T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	T3 - Vibration	0	0	0
T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	T4 - Shock	0	0	0
T7 - Overcharge T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	T5 - External Short Circuit	Ŏ	O	O
T8 - Forced Discharge for all above 10. Reference to assembled battery testing requirements	T6 - Impact / Crush	O	0	
for all above O O O O O O O O O O O O O	T7 - Overcharge	O	O	0
10. Reference to assembled battery testing requirements	T8 - Forced Discharge	O		O
	for all above	O	X	
		Ŏ	Ŏ	Ŏ
N/A	10. Reference to assembled battery testing requirements		T	
				N/A
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto				
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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)

Polymer lithium ion Battery

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?	X	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	\bigcirc	YES	NOX
			·
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 O
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.)?		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 %	0	YES	NO O

CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs I	to be answered when the cells / ba	atteries are ins	stalled in arti	cles:				
18.a) Only button cells enclosed?			NO	X				
18.b) Number of enclosed	cells (other than button cells)/batte	eries per equip	ment					
Enclosed ce	lls per equipment		Enclosed batteries per equipment			ment	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 X N/A YES			YES	ΝΟ				
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160			NO					
19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature			Tue			
Bünde, 2019.11.26	Vieregge Thomas Head of Quality Assurance & P	roduct Safty	iRev	ell c	mbl	d 0		
			Hen i 3 Tel.: (,2257 E +4910)	5223 9	65-0		