LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

:	Name/Description of cell / mo				
Lithium Polymer		8T-X49			
		cturer of cell			
Name	ShenZhen FuYuMing Electronics Co				
Address	Room 202, Floor2, Building A, Yind	<u> </u>		5, Jitang	
Dhana	Community, Guanlan Street, Long	nua New District, Shenzhen	City		
Phone					
E-Mail					
Website	D.Co.	ufacturer			
Name	Technaxx Deutschland GmbH & Co				
Address	Kruppstraße 105, 60388 Frankfurt	am Main			
Phone	+49 [69] 90 47552 0				
E-Mail	Zentrale@technaxx.de				
Website	http://www.technaxx.de/				
		oratory of cell			
Name	ShenZhen LCS Compliance Testing	·			
Address	101, 601, Xingyuan Industrial Park District, Shenzhen, Guangdong, Ch	• • • • • • • • • • • • • • • • • • • •	g Street,	Bao'an	
Phone	, , , ,				
E-Mail					
Website					
	ID-num	ber and date			
Unique test report	dentification number	LCS181113161AS	Α		
Date of test report		2019.02.25			
	DESCRIPTION OF (CELL (Mark with an"X")			
Lithium ion cell		Х			
Lithium metal cell					
	Pai	ameters			
Mass in gram (g):		1.2			
Lithium ion: Indicat	e watt-hour rating (Wh):	0.185			
	cate lithium metal content in gram (g):				
	Physical de	scription of cell			
Polymer Li-ion Ba	ttery				
•	•				
	Mode	el numbers			
501015					
	TESTS A	ND RESULTS			
List of tests conduc	ted and results		N/A	Pass	Fail
- Mark N/A, pass or	fail with an "X"				

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

ADDITIONAL SUPPLIER INQUIRY

Mark Yes or no with an "X"	Yes	No
Quality management system for manufacturing cells	Х	
Does the manufacturer of the cell/battery manufacture the products based on a		
documented quality management system according to transport regulations?		
Are the following parameters exceeded?		Х
Lithium ion cell: more than 20 Wh		
Lithium metal cell: more than 1 g Lithium		

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 incorporates a safety venting device or is designed		
to preclude a violent rupture under normal conditions of carriage?		
Is each cell equipped with an effective means of preventing external short circuits?		
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

			7
State of Charge (SoC)	may 20 %		
State of Charge (30C)	IIIax. 3U /0		

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?	Х		
17b) Number of enclosed cells (other than button cells) per equipment			•
When the equipment is intentionally active/switched on during transport e.g. data logge	rs:		
17c) Confirmation that no dangerous amount of heat is emitted from the equipment	Х		
17d)Confirmation that the equipment when transported by air fulfills the defined air	Х		
transport standards for electromagnetic radiation according to DO-160			

	X	
Single Cell or Battery	Build in Cell/ Battery	Over 100Wh
LITHIUM - METALL UN 3090 UN 3090 Einzel Zelle / Batterie	LITHIUM - IONEN UN 3481 Zelle / Batterie in Ausrüstungen	BATTERIE mit MEHR als 100 Wh

Place, Date	Signature	Company stamp and Signature
Frankfurt, 15.03.2019	Pull	Technaxx Deutschland GmbH & Co. KG Kruppstr. 105 60388 Frankfurt a.M. Fon +49(0)69/90 47 55 2-0 Fax -16

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

	Name/Description of cell / model n	o. of Product			
Lithium Polymer Cell		9 Charger Box			
, , , , , , , , , , , , , , , , , , , ,	Manufacture				
Name	ShenZhen FuYuMing Electronics Co., LT	D			
Address	Room 202, Floor2, Building A, Yinquan building, Fuquian Road No. 346, Jitang				
	Community, Guanlan Street, Longhua N	lew District, Shenzhen	City		
Phone					
E-Mail					
Website					
	Manufact	turer			
Name	Technaxx Deutschland GmbH & Co. KG				
Address	Kruppstraße 105, 60388 Frankfurt am N	/lain			
Phone	+49 [69] 90 47552 0				
E-Mail	Zentrale@technaxx.de				
Website	http://www.technaxx.de/				
	Test laborato	ry of cell			
Name	ShenZhen LCS Compliance Testing Labo	ratory Ltd.			
Address	101, 601, Xingyuan Industrial Park, Gus	nu Community, Xixian	g Street,	Bao'an	
	District, Shenzhen, Guangdong, China				
Phone					
E-Mail					
Website					
	ID-number a	nd date			
Unique test report identif	fication number	LCS181113157AS	A		
Date of test report		2019.01.11			
	DESCRIPTION OF CELL (Mark with an"X")			
Lithium ion cell		X			
Lithium metal cell					
	Paramet	ters			
Mass in gram (g):		5.9			
Lithium ion: Indicate wat	t-hour rating (Wh):	1.1			
Lithium metal: Indicate li	thium metal content in gram (g):				
	Physical descrip	tion of cell			
Li-ion Polymer cell					
	Model nur	mbers			
6020305					
List of tests conducted ar	TESTS AND F	RESULTS	N/A	Pass	Fail
- Mark N/A, pass or fail v			,.		
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List of tests conducted and results	N/A	Pass	Fail
- Mark N/A, pass or fail with an "X"			
T1 - Altitude simulation		Х	
T2 - Thermal Test		Х	
T3 – Vibration		Х	
T4 – Shock		Х	
T5 - External Short Circuit		Х	
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm		Х	
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells		Х	
having a diameter of less than 18 mm			
T7 – Overcharge		Х	
T8 - Forced Discharge		Х	

ADDITIONAL SUPPLIER INQUIRY

Mark Yes or no with an "X"	Yes	No
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Does the manufacturer of the cell/battery manufacture the products based on a		
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Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells and lithium polymer cells

State of Charge (SoC) max. 30 %				l
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17d)Confirmation that the equipment when transported by air fulfills the defined air			
transport standards for electromagnetic radiation according to DO-160			

	Х	
Single Cell or Battery	Build in Cell/ Battery	Over 100Wh
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Place, Date	Signature	Company stamp and Signature
Frankfurt, 15.03.2019	Pull	Technaxx Deutschland GmbH & Co. KG Kruppstr. 105 60388 Frankfurt a.M. Fon +49(0)69/90 47 55 2-0 Fax -16