

# 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	
402030	TX-93

## Manufacturer of cell

Name	ShenZhen FuYouMing Electronics Co.,LTD.
Address	Room 306, No. 21-2, Xinshiqiao South lane, Guihua Community, Guanlan Street, Longhua, Shenzhen
Phone	07555-23766037
E-Mail	1255457255@qq.com
Website	https://xin.baidu.com/detail/compinfo?pid=xlTM-TogKuTwMKV4UwmmutqyTqsc*0kWvgmd&from=ps&fl=1&castk=LTE%3D

## Manufacturer

Name	Technaxx Deutschland GmbH & Co. KG
Address	Konrad-Zuse-Ring 16-18, 61137 Schöneck
Phone	+49 6187 20092 0
E-Mail	Zentrale@technaxx.de
Website	http://www.technaxx.de/

## Test laboratory of cell

Name	Shenzhen LCS Compliance Testing Laboratory Ltd
Address	Room 101, 201 Building A and 301 Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, Guangdong, China
Phone	+(86) 0755-8259 1330
E-Mail	webmaster@lcs-cert.com
Website	http://www.lcs-cert.com

## ID-number and date

Unique test report identification number	LCS201130163ASA100
Date of test report	2020.12.22

## DESCRIPTION OF CELL ( Mark with an "X" )

Lithium ion cell	X
Lithium metal cell	

## Parameters

Mass in gram (g):	4.4
Lithium ion: Indicate watt-hour rating (Wh):	0.666
Lithium metal: Indicate lithium metal content in gram (g):	

## Physical description of cell

Polymer Lithium ion Battery
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## Model numbers

402030
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## 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			
T7 - Overcharge		X	
T8 - Forced Discharge		X	

**ADDITIONAL SUPPLIER INQUIRY**

Mark Yes or no with an "X"	Yes	No
<b>Quality management system for manufacturing cells</b> Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	X	
<b>Are the following parameters exceeded?</b> 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 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.) <b>Not relevant for cells</b>		




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


State of Charge (SoC) max. 30 %		
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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		

**Please mark the correct column with an X**

	X	
Single Cell or Battery	Build in Cell/ Battery	Over 100Wh
		

Place, Date	Signature	Company stamp and Signature
Schöneck, 02.12.2021		Technaxx Deutschland GmbH & Co.KG Konrad-Zuse-Ring 16-18 61137 Schöneck-Kilianstädten Fon +49 (0)6187 / 200 92-0 • Fax -16