

# 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	
702530P/Li-ion polymer	TX-100

## Manufacturer of cell

Name	Huizhou Dinggao Battery Co., LTD
Address	No.16, 6 South Rode Laohuilong Group, BaiGang Village, Xiaojingkou District, HuiCheng Area, Huizhou, Guangdong Province, China
Phone	+86-752-2605808
E-Mail	574163753@qq.com
Website	http://www.11467.com/qiye/74409392.htm

## Manufacturer

Name	Technaxx Deutschland GmbH & Co. KG
Address	Kruppstraße 105, 60388 Frankfurt am Main
Phone	+49 [69] 90 47552 0
E-Mail	Zentrale@technaxx.de
Website	http://www.technaxx.de/

## Test laboratory of cell

Name	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	101, 201 Building A and 301 Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, Guangdong, China
Phone	0755-82591330
E-Mail	lcs.sales01@lcs-cert.com
Website	www.lcs-cert.com

## ID-number and date

Unique test report identification number	LCS190429029ASD
Date of test report	2019.05.20

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

Lithium ion cell	X
Lithium metal cell	

## Parameters

Mass in gram (g):	9.7g
Lithium ion: Indicate watt-hour rating (Wh):	1.665Wh
Lithium metal: Indicate lithium metal content in gram (g): 锂含量	

## Physical description of cell

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## Model numbers

702530P-450mAh
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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		X	
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?	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.) <b>Not relevant for cells</b>	<b>Single packaging</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 %	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	<b>1PC</b>		
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
	 X	

Place, Date	Signature	Company stamp and Signature
Frankfurt, 26.10.2019		