

# 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	
	TX-59

## Manufacturer of cell

Name	Shenzhen Xinlibao Industrial Co., Ltd.
Address	2nd floor, taiding, Dongpo Industrial Park, Yunfeng Road, Dalang Longhua, Shenzhen
Phone	0086-13424156115
E-Mail	1493209187@qq.com
Website	

## Manufacturer of the equipment (if the cell is contained in equipment)

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	<a href="http://www.technaxx.de/">http://www.technaxx.de/</a>

## Test laboratory of cell

Name	Shenzhen NCT Testing Technology Co., Ltd
Address	1/F, No. B Building, Mianshang Younger Pioneer Park, Hangcheng Road, Gushu Xixiang Street, Baoan District, Shenzhen, Guangdong, China.
Phone	+86-755-27790922
E-Mail	<a href="mailto:sales@nct-testing.com">sales@nct-testing.com</a>
Website	<a href="http://www.nct-testing.cn">http://www.nct-testing.cn</a>

## ID-number and date

Unique test report identification number	NCT16039480B1-1
Date of test report	Sep. 19, 2016

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

Lithium ion cell	X
Lithium metal cell	

## Parameters

Mass in gram (g):	
Lithium ion: Indicate watt-hour rating (Wh):	14.8Wh
Lithium metal: Indicate lithium metal content in gram (g):	

## Physical description of cell

Li-ion Battery
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## Model numbers

606090 4000mAh
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## TESTS AND RESULTS

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

*Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto*

*Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SQ/AG.10/11/Rev.5 Section 38.3/Amend.1 & ST/SQ/AC.10/11/Rev.5 Section 38.3/Amend.2*

## ADDITIONAL SUPPLIER INQUIRY

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

*Check point 13 - 15 need to be answered when 12 has been ticked "YES":*

<i>Mark Yes or no with an "X"</i>	Yes	No
<i>Does each cell incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?</i>	X	
<i>Is each cell equipped with an effective means of preventing external short circuits?</i>	X	
<i>Is each battery containing cells or series of cells connected in parallel</i>	X	




equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.) <i>Not relevant for cells</i>	
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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 %		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?			
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			
17d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160			

Please mark the correct column with an X		
	X	
Single Cell or Battery	Build in Cell/ Battery	Over 100Wh
		

Place, Date	Title, Surname, First Name Pekcan Pascal	Company stamp and Signature
Frankfurt 16.12.2019	