

# LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.30F MANUAL OF TESTS AND CRITERIA

<b>Name/Description of cell / model n. o. of Product</b>	
	TX-205

## Manufacturer of cell

<b>Name</b>	Guizhou Grace Hummer New Energy Technology co.,LTD
<b>Address</b>	NO.D3&K5 PLANT,SMALL AND MEDIUM-SIZED MICRO PIONEER PARK,BIJIE ECONOMIC DEVELOPMENT ZONE,BIJIE,GUIZHOU PROVINCE,P.R.C.
<b>Phone</b>	+86 13066992832
<b>E-Mail</b>	Zhouwj@gzapsc.com
<b>Website</b>	www.gzapsc.com

## Manufacturer

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

## Test laboratory of cell

<b>Name</b>	Shenzhen NCT Testing Technology Co., Ltd.
<b>Address</b>	1 / F, No. B Building, Mianshang Younger Pioneer Park, Hangcheng Road, Gushu Xixiang Street, Baoan District, Shenzhen, Guangdong, China
<b>Phone</b>	400-886-8419
<b>E-Mail</b>	
<b>Website</b>	http://www.nct-testing.cn

## ID-number and date

Unique test report identification number	NCT19047139B1-4
Date of test report	12/04/2019

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

<b>Lithium ion cell</b>	X
Lithium metal cell	

## Parameters

<b>Mass in gram (g):</b>	46
<b>Lithium ion:</b> Indicate watt-hour rating (Wh):	9.25
<b>Lithium metal:</b> Indicate lithium metal content in gram (g):	N/A

## Physical description of cell

gray , Cylindrical
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## Model numbers

18650-2500-3C
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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	

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

UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS Manual of Tests and Criteria" Seventh revised edition (ST/SG/AC.10/11/Rev.7)

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>	X	




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


State of Charge (SoC) max. 30 %	Yes	No
	X	

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	X		
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

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

Place, Date	Signature	Company stamp and Signature
Schöneck, 16.11.2022		Technaxx Deutschland GmbH & Co.KG Konrad-Zuse-Ring 16-18 61137 Schöneck-Kilianstädten Fon +49 (0)6187 / 200 92-0 • Fax -16