

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

Technaxx Jump Starter 10000mAh TX-78 (Power Bank)

Name/Description of cell

Manufacturer of cell

Name	Xi'an SAFTY Energy Technology Co.,Ltd
Address	N. 11, East Section of Jingqin Road, Jingwei New City, Economic & Technologic Development Zone, Xi an City, Shanxi Province, 710299, P.R. China
Phone	86 029 86931166
E-Mail	17691126464@qq.com
Website	

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

Name	Firstar Battery Co., Limited
Address	A2 Buiding Fuzhong Industrial Park, Rd Fuzhong, Fuyong Town, Bao'an District, Shenzhen, China 518103
Phone	86-755 33919852
E-Mail	mandy@szfirstar.com
Website	www.szfirstar.com

Test laboratory of cell

Name	Guangzhou MCM Certification and testing Co., Ltd
Address	One of No. 13, Zhongsan Road, Shiguang Road, Panyu District, Guangzhou
Phone	4008-368-355
E-Mail	N/A
Website	www.mcmtek.com

ID-number and date

Unique test report identification number	SF20190109U01
Date of test report	2019.1.29

DESCRIPTION OF CELL (Mark with an "X")

Lithium ion cell	X
Lithium metal cell	

Parameters

Mass in gram (g):	78.2g
Lithium ion: Indicate watt-hour rating (Wh):	
Lithium metal: Indicate lithium metal content in gram (g):	

Physical description of cell

Battery cell

Model numbers

ST7344125NSH35 3.7V 3300mAh 12.21Wh

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			
T8 - Forced Discharge		X	

For and on behalf of
FIRSTAR BATTERY CO., LIMITED
 富士達電池科技有限公司

Authorized Signature(s)

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

ADDITIONAL SUPPLIER INQUIRY

Mark Yes or now with an "X"	Yes	No
Quality management system for manufacturing cells Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	X	
Are the following parameters exceeded? 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 now with an "X"	Yes	No
Does each cell incorporate 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.) Not relevant for cells		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 %		
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CELLS INSTALLED IN EQUIPMENT

Check point 17 need 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	3		
When the equipment is intentionally active/switched on during transport e.g. dataloggers:			
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 Shenzhen China	Title, Surname, First Name Jian Mei Su	Company stamp and Signature <i>For and on behalf of</i> FIRSTAR BATTERY CO., LIMITED 富士達電池科技有限公司
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Authorized Signature(S)