

TEST SUMMARY LITHIUM CELLS & BATTERIES

Sub-Section 38.3 of the UN Manual of Tests and Criteria

This test summary concerns the following article/s:

* = mandatory field

Article description*:
Lithium-Ionen-Akku ED07001_01 / ED07001_03 / ED07001_04 36V 11.6Ah 417,6Wh
EAN Code*:
4250845907842 / 4250845945431 / 4250845946810

1. Name/description of the cell or the battery*
Zündapp Z801 semi integrated battery

1a. (for batteries only:)* name/description of cells inside the battery
TFL 1,2V 0,39Ah 14Wh

The test summary of the cells inside the battery must either be presented or under checkpoints 9 and 9a it must be confirmed that the UN 38.3 test summary for the cells is available.

2. Manufacturer of cell/battery or, if contained in the article (built-in), name the article's manufacturer:	
Name*	Pentagon Sales GmbH
Address*	Lindenstraße 31 - 33 in 73479 Ellwangen (Jagst)
Phone*	+49 (0) 7961 967 97 80
Email*	sales@pentagonsales.de
Website*	www.pentagonsales.de

3. Test laboratory	
Name*	Test Center of Advanced National Engineering Research Center of Storage Materials
Address*	No.B102, Lankun Group B, No.29, Baoshi Road, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Phone*	86-755-22678313
Email*	service@cescert.com
Website*	www.cescert.com

4. Test Summary ID			
Unique test report identification no. *	CESUN200604003	Date of test report*	23.06.2020

5. type of cell or battery			
☐	Lithium ion cell	Lithium metal cell	☐
☒	Lithium ion battery	Lithium metal battery	☐
☐	Lithium hybrid battery		

TEST SUMMARY LITHIUM CELLS & BATTERIES

Sub-Section 38.3 of the UN Manual of Tests and Criteria

Name/description of cell/battery

ED07001_01

6. Parameters	battery/cell
Mass in gramm (g)*:	1884 / 62,8
(only for lithium ion & lithium hybrid:)* indicate watt-hour rating (Wh):	417,6 / 14
(only for lithium metal & lithium hybrid:)* indicate lithium metal content in gram (g):	

7. Physical description of cell/battery*
Li-NMC (LiNixCoyMnzO2)

8. Model numbers*
Art.-Nr.: ED07001_01 Art.-Nr.: ED07001_02

TESTS AND RESULTS

9. List of tests conducted and results mark ,N/A'(not applicable), ,pass' oder ,fail' with "●"	N/A	pass	fail
T1 - Altitude simulation†		⊗	
T2 - Thermal Test *		⊗	
T3 - Vibration*		⊗	
T4 - Shock *		⊗	
T5 - External Short Circuit*		⊗	
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm*		⊗	
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm*			
T7 - Overcharge*		⊗	
T8 - Forced discharge, only valid for cells. see check point 1a and 9a ‡		⊗	

9a. Only for batteries *: UN 38.3 Test Confirmation for the Cells inside the battery Required only, if no separate document for the cells is provided: This confirms that the cells inside the battery have successfully passed the UN 38.3 test.	⊗	Cell UN 38.3 Test confirmed	Cell UN 38.3 Test NOT confirmed	
---	---	-----------------------------------	--	--

TEST SUMMARY Y LITHIUM CELLS & BATTERIES

Sub-Section 38.3 of the UN Manual of Tests and Criteria

Name/description of cell (taken from field 1)

ED07001_01

10. Only for batteries*: Reference to assembled battery testing requirements

UN Manual of Tests and Criteria Section
ST/SG/AC. 10/11/Rev. 5/Amend. 1 38.3 Test T. 1 - T. 8

N/A

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

ADDITIONAL INFORMATION

12. Quality management system for manufacturing cells/batteries
Does the manufacturer of the cell/battery manufacture the products based on a
documented quality management system according to transport regulations?



YES

NO

13. Only for cells*: Are the following parameters exceeded?
Lithium ion cell: more than 20 Wh
Lithium metal cell: more than 1 g lithium

YES

NO



14. Only for batteries*: Are the following parameters exceeded?
Lithium ion battery: more than 100 Wh
Lithium metal battery: more than 2 g lithium
Lithium hybrid battery: more than 1.5 g lithium and/or more than 10 Wh



YES

NO

15. State the article's UN number for transportation (hazardous material)

UN 3480

16. Place, Date

20.08.20

17. Surname, First Name

Stuehlich, Tobias

18. Supplier's company stamp and signature



PENTAGON
SALES GMBH

Lindenstr. 31
73479 Ellwangen
www.pentagonsales.de