

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*:

EAN Code*:

1. Name/description of the cell or the battery*

1a. (for batteries only)* name/description of cells inside the battery

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*	
Address*	
Phone*	
Email*	
Website*	

3. Test laboratory	
Name*	
Address*	
Phone*	
Email*	
Website*	

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

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

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Name/description of cell/battery

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

7. Physical description of cell/battery*

8. Model numbers*

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	
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Name/description of cell (taken from field1)

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

16. Pace, Date	17. Surname, First Name	18. Supplier's company stamp and signature
		 <p>DS Produkte GmbH Postfach 779 665 • 22129 Hamburg Stromarming 14 • 22466 Stapelfeld</p>