

LOGISTIC INFORMATION AND UN 38.3 TEST SUMMARY

in accordance with manual of tests and criteria

7. revised edition, amendment 1, subsection 38.3.5

N/A = Not Applicable

1. Name/Description of battery

SBP2.0

1a. Name/Description of the cells inside the battery

5INR19/66

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

2. Manufacturer of battery

Name	Scheppach GmbH
Address	Günzburger Str. 69, 89335 Ichenhausen
Phone	08223/ 4002 0
Email	info@scheppach.com
Website	www.scheppach.com

2a. Manufacturer of the equipment (if the battery is contained in equipment)

Name	
Address	
Phone	
Email	
Website	

3. Test laboratory of battery

Name	Shanghai Research Institute of Chemical Industry Testing Co., Ltd
Address	West entrance, No.345 East Yun Ling Road, Shanghai
Phone	86-21-31765555
Email	battery@ghs.cn
Website	http://www.ghs.cn

4. ID number and date

Unique test report identification number	1123080582
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Date of test report

28.08.2023

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Name/Description of battery (taken from field 1)

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DESCRIPTION OF BATTERY

5. Mark the type of battery with an “•”

Note: Single cell batteries (1S1P) are treated as cells, i.e. using this logistic information form is correct.

<input checked="" type="radio"/>	Lithium ion battery	<input type="radio"/>	Lithium metal battery
<input type="radio"/>	Lithium hybrid battery		

6. Parameters

Weight of the battery in gram (g) or kilogram (kg)

g

Lithium ion: Nominal energy in Watt-hours (Wh) or kilo Watt-hours (kWh)

40 Wh

Lithium metal: Lithium metal content in gram (g) or kilogram (kg)

g

Lithium hybrid: Nominal energy in Watt-hours (Wh) or kilo Watt-hours (kWh) and lithium metal content in gram (g) or kilogram (kg)

g

g

7. Physical description of battery

Rechargeable Li-ion

8. Model numbers

7909201708

TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an “•”	N/A	pass
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 See check point 1a and 9a.		✓
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm. See check point 1a and 9a.		✓
T7 - Overcharge		✓
T8 - Forced Discharge, only valid for cells. See check point 1a and 9a.		✓

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9a. UN 38.3 Test Confirmation for the Cells inside the battery

When no separate document for the cells is provided, this confirms that the cells inside the battery (see checkpoint 1.a.) have successfully passed the UN 38.3 test. In this case under checkpoint 9 the T.6 and T.8 must be marked as „passed” and here under 9.a. „Cell UN 38.3 Test confirmed” needs to be ticked.

<input checked="" type="radio"/>	Cell UN 38.3 Test confirmed	Cell UN 38.3 Test NOT confirmed	<input type="radio"/>
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10. 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 SUPPLIER INQUIRY

12. Quality management system for manufacturing batteries

Does the manufacturer of the battery manufacture the products based on a documented quality management system according to transport regulations?

<input checked="" type="radio"/>	YES	<input type="radio"/>	NO	<input type="radio"/>
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13. 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

<input type="radio"/>	YES	<input type="radio"/>	NO	<input checked="" type="radio"/>
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Check point 14 – 16 need to be answered when 13 has been ticked "YES":

14. Does each battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?

<input type="radio"/>	YES	<input type="radio"/>	NO	<input type="radio"/>
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15. Is each battery equipped with an effective means of preventing external short circuits?

<input type="radio"/>	YES	<input type="radio"/>	NO	<input type="radio"/>
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16. 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.)?

<input type="radio"/>	N/A	<input type="radio"/>	YES	<input type="radio"/>
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BATTERIES INSTALLED IN EQUIPMENT

17. Check point 17 needs to be answered when the batteries are installed in articles:							
17.a) Only button cells enclosed?		<input type="radio"/>	YES	<input checked="" type="radio"/> NO			
17.b) Number of enclosed batteries per equipment							
When the equipment is intentionally active/switched on during transport e.g. data loggers:							
17.c) Confirmation that no dangerous amount of heat is emitted from the equipment		<input type="radio"/>	N/A	<input type="radio"/>	YES	<input type="radio"/>	NO
17.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160		<input type="radio"/>	N/A	<input type="radio"/>	YES	<input type="radio"/>	NO

18. Place, Date	19. Name and title of the responsible person		
Ichenhausen, 27.02.2024	Pecher Andreas, Team Leader Project Management		

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Tel. 08223/4002-0, Fax: 08223 / 4002-20

