

State: 01.10.2019

## UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5



Date	_____
Company	_____
Address	_____
Address	_____

Please mark with a cross and fill in as appropriate

Cell       Battery       Product

### Manufacturer

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_  
 Website \_\_\_\_\_

### Manufacturer of the equipment

(if the cell or battery is contained in equipment)

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_  
 Website \_\_\_\_\_

### Test Laboratory

Unique report ID \_\_\_\_\_ Report date: \_\_\_\_\_

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_  
 Website \_\_\_\_\_

**Description**

Li-ion     Li-hybrid     Li-metal

Description: \_\_\_\_\_  
\_\_\_\_\_

Mass: \_\_\_\_\_ Watt hour rating \_\_\_\_\_

Lithium content: \_\_\_\_\_

Cell     Battery     Product

Model number/Part number: \_\_\_\_\_

please fill in

List of tests conducted			
	Pass	Fail	N/A.
T1 - Altitude simulation (38.3.4.1)			
T2 - Thermal Test (38.3.4.2)			
T3 - Vibration (38.3.4.3)			
T4 - Shock (38.3.4.4)			
T5 - External Short Circuit (38.3.4.5)			
T6 - Impact/Crush (cell only test) (38.3.4.6)			
T7 - Overcharge (38.3.4.7)			
T8 - Forced Discharge (cell only test) (38.3.4.8)			

**Battery assembly**

Not Applicable     UN 38.3.3 (f)     UN 38.3.3 (g)

Test Reference: UN Manual of Tests and Criteria, Part III, subsection 38.3: \_\_\_\_\_ edition

✘  
City, Date

✘  
Name, title

✘  
Signature *Cassie*



# TEST SUMMARY

## LITHIUM CELLS AND BATTERIES



Lithium cell or battery test summary in accordance with sub-section 38.3 of Manual of Tests and Criteria

Manufacturer (if applicable): \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone number: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Website: \_\_\_\_\_

Test laboratory: \_\_\_\_\_  
 Adresse: \_\_\_\_\_  
 Phone number: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Website: \_\_\_\_\_

Test report identification number: \_\_\_\_\_  
 Date of test report: \_\_\_\_\_

Lithium ion cell (battery)       Lithium metal cell (battery)  
 Masse: \_\_\_\_\_ Wh      \_\_\_\_\_ g lithium content  
 Description of cell/battery: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Product model number: \_\_\_\_\_

Test	Cells		Batteries		Single cells		Component cells	
	pass	fail	pass	fail	pass	fail	pass	fail
T.1 Altitude simulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
T.2 Thermal test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
T.3 Vibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
T.4 Shock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
T.5 External short circuit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
T.6 Impact/Crush	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>
T.7 Overcharge			<input type="checkbox"/>		<input type="checkbox"/>	*		
T.8 Forced discharge	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>

\* lithium ion only / with overcharge protection

\*\* not transported separately from the battery, otherwise same test as cells

Met requirements for assembled battery testing?     yes       no  
 (if applicable)

The requirements of the 7<sup>th</sup> revised edition "Manual of Tests and Criteria, Part III, Subsection 38.3" for each cell / battery have been met and the cells/batteries fully meet the requirements International Dangerous Goods Regulations ADR/RID/ADN/IMDG-Code/IATA-DGR!

Date: \_\_\_\_\_ Place: \_\_\_\_\_

\_\_\_\_\_  
 (Signature/title)

