

## Lithium Ion Battery Test Summary

### LITHIUM CELLS OR BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

Product Manufacturer: STEINEL GmbH  
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Germany

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Lithium Ion cells and Steinel Lithium-Ion-batteries Li-Power and LiHD have been successfully tested and comply with UN Model Regulation, Manual of Test and Criteria, Part III subsection 38.3

PERFORMED TESTS			RESULTS	
			Cells	Batteries
38.3.4.1	T1	Altitude Simulation	Pass	Pass
38.3.4.2	T2	Thermal Test	Pass	Pass
38.3.4.3	T3	Vibration	Pass	Pass
38.3.4.4	T4	Shock	Pass	Pass
38.3.4.5	T5	External Short Circuit	Pass	Pass
38.3.4.6	T6	Impact / Crush	Pass	Not applicable
38.3.4.7	T7	Overcharge	Not applicable	Pass
38.3.4.8	T8	Forced Discharge	Pass	Not applicable

Lithium-Ion Test Summary – in accordance with sub-section UN 38.3  
Steinel GmbH D-33442 Herzebrock-Clarholz – Rev. 1.2 / 01. 03. 2021



The UN38.3 tests were performed at least by one of the following test houses and were tested to UN Manual Test and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

<p>TÜV Rheinland InterCert Kft. Termék üzletág Villamos laboratórium Beke u. 41-43 H-1135 Budapest, Hungary</p> <p>Telephone: +36-1-461-1100 E-Mail: <a href="mailto:tuv@hu.tuv.com">tuv@hu.tuv.com</a> Web: <a href="http://www.tuv.hu">www.tuv.hu</a></p>	<p>Samsung SDI Safety Center 467, Beonyeong-ro Seobuk-gu, Cheonan-si Chungcheongnam-do, Korea</p> <p>Telephone: +82-41-560-3114 E-Mail: <a href="mailto:sdimaster@samsung.com">sdimaster@samsung.com</a> Web: <a href="http://www.samsungsdi.com">www.samsungsdi.com</a></p>
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#### Product Test Information - Cells

Model	Physical Description	Weight	Rating	Test report	
		[kg]	[Wh]	number	date
INR-21700	Li-ion cylindrical cell	0,067	14,4	SDI-UN-170306-01	2017-03-06
INR-21700	Li-ion cylindrical cell	0,070	10,8	SDI-UN-170331-01	2017-03-31
INR-21700	Li-ion cylindrical cell	0,072	18,0	SDI-UN-192426-03	2019-04-19

#### Product Test Information - Batteries

Model number	Physical Description	Weight	Rating	SoC	Test report		
		[kg]	[Wh]	[%]	number	date	regulation
Steinel Nr. 110070328 CAS 6637419000 Base 321001170	Li-Ion 18V – 8,0 Ah 5S2P	0,976	144,0	> 20 < 30	28246520 001	2017-12-05	UN 3480 UN 3481
Steinel Nr. 110077916 CAS 637109000 Base 321001000	Li-Ion 18 V - 5,5 Ah 5S2P	0,983	99,0	> 20 < 30	28246519 001	2018-09-17	UN 3480 UN 3481

Signature of responsible person of the Company

Name und Unterschrift (digitally signed)

Dieter Runde SHB /QM  
Funktion  
Gefahrstoffbaufragger