

LITHIUM BATTERIES TEST SUMMARY

IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

1	Product Manufacturer	GARDENA Germany AB PO BOX 7454 S-103 92 SWEDEN Service@gardena.com Testsummary-service@husqvarnagroup.com
2	Model	Zone Protect Art.No. 15021
3	Voltage rating	3,6V
4	Ah rating	5,7 Ah
5	Wh rating	20,52 Wh

These models of Lithium ion batteries have been successfully tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3

PERFORMED TESTS		RESULTS
38.3.4.1 T1	Altitude Simulation	Passed
38.3.4.2 T2	Thermal Test	Passed
38.3.4.3 T3	Vibration	Passed
38.3.4.4 T4	Shock	Passed
38.3.4.5 T5	External Short Circuit	Passed
38.3.4.7 T7	Overcharge	Passed

(Note that tests T6 and T8 are not applicable to batteries.)

Revision Date: 17.11.2022	Revision Number: 1.1
Name, Title: Markus Jäger, Compliance Manager	Signature: 

The UN 38.3 tests were performed 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.

Shenzen NTEK Testing Technology Co. Ltd 1/F, Building C, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China Tel: +86(0)-755-3699 5529 Complaint@ntek.org.cn http://www.ntek.org.cn	SIRCI Testing Center West entrance, No.345 East Yun Ling Road, Shanghai Tel : 021-52815377-0713/0714/0717/0718 Fax : 021-52815377-0716/0745 Website: www.biz.ghs.cn Email: msds123@gmail.com
SAMSUNG SDI CO LTD 467 BEONYEONG-RO SEOBUK-GU CHEONAN-SI, CHUNGCHONGNAM-DO 31086 KOREA +82-41-560-3114 sdimaster@samsung.com www.samsungsdi.com	Tüv Rheinland InterCert Kft. Váci út 48/A-B 1132 Budapest Hungary +36 1461 1100 tuv@hu.tuv.com www.tuv.hu

Product Test Information

Model numbers	Physical Description	Battery weight [kg]	Wh rating	Test report number	Test report date	Applicable UN Numbers acc UN-DGP	Delivered at max. 30% State of Charge
ZoneProtect 15021	Built in lithium-ion accumulator (1S2P)	0,445	20,52	PN20210412734801	25.06.2021	UN3481	yes