

## LITHIUM BATTERIES TEST SUMMARY

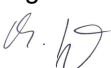
IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

|   |                             |                                                                                                                                                                          |
|---|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Product Manufacturer</b> | <b>GARDENA Germany AB</b><br>PO BOX 7454<br>S-103 92<br>SWEDEN<br><br><a href="mailto:Testsummary-service@husqvarnagroup.com">Testsummary-service@husqvarnagroup.com</a> |
| 2 | <b>Model</b>                | Battery Pack PBA 18V<br>14902/14903/14905                                                                                                                                |
| 3 | <b>Voltage rating</b>       | 18V                                                                                                                                                                      |
| 4 | <b>Ah rating</b>            | 2.0Ah / 2.5Ah / 4.0Ah                                                                                                                                                    |
| 5 | <b>Wh rating</b>            | 36.0 Wh / 45.0 Wh / 72.0 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: 14.11.2022                        | Revision Number: 1.1                                                                                                                              |
| Name, Title:<br>Markus Jäger, Compliance Manager | Signature:<br><br><br>Place and Date of issue: Ulm, 14.11.2022 |

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| Address                           | Visiting address | Contact | Registered office                                |                                                                                                   |                                     |
|-----------------------------------|------------------|---------|--------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------|
| GARDENA Germany AB                |                  |         | Regeringsgatan 28, S-103 92<br>Stockholm, Sweden | Telephone: +49 (0) 7 31 4 90 -502<br><a href="mailto:service@gardena.com">service@gardena.com</a> | Ulm, Germany<br><br>Organization no |
| PO Box 7454<br>S-103 92 Stockholm |                  |         |                                                  |                                                                                                   |                                     |

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.

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Robert Bosch Power Tools GmbH<br>PT/EST<br>Max-Lang Str. 40-46<br>70771 Leinfelden-Echterdingen<br>Germany<br>+49 (0)711-400-40990<br>kontakt@bosch.de<br><a href="http://www.bosch-pt.com">www.bosch-pt.com</a>                                        | Tüv Süd PSB Pte. Ltd<br>No.1 Science Park Drive<br>Singapore 118221<br>Singapore<br>+65 6427 4700<br><a href="mailto:Info.sg@tuvsud.com">Info.sg@tuvsud.com</a><br><a href="http://www.tuev-sued.de/company/locations/asia">www.tuev-sued.de/company/locations/asia</a> |
| SAMSUNG SDI CO LTD<br>467 BEONYEONG-RO SEOBUK-GU<br>CHEONAN-SI,<br>CHUNGCHONGNAM-DO 31086<br>KOREA<br>+82-41-560-3114<br><a href="mailto:sdimaster@samsung.com">sdimaster@samsung.com</a><br><a href="http://www.samsungsdi.com">www.samsungsdi.com</a> | Tüv Rheinland InterCert Kft.<br>Váci út 48/A-B<br>1132 Budapest<br>Hungary<br>+36 1461 1100<br><a href="mailto:tuv@hu.tuv.com">tuv@hu.tuv.com</a><br><a href="http://www.tuv.hu">www.tuv.hu</a>                                                                         |

### **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 |
|---------------------------------------|---------------------------------------------|-------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|
| PBA 18V 2.0 Ah W-B<br>(Art.No. 14902) | Detachable slide in lithium-ion accumulator | 0,360<br>0,350<br>0,353                   | 36.0      | <ul style="list-style-type: none"> <li>UN_T1-T5 T7_Wolves 18V PP5 SampleB.pdf</li> <li>TR 28229046 004 Wolves 18V with bosc overcharge FINAL signed.pdf</li> <li>HU21FOSK 001</li> <li>HU21FOSK 001</li> </ul> | <ul style="list-style-type: none"> <li>26.07.2013</li> <li>29.11.2016</li> <li>07.02.2022</li> <li>07.02.2022</li> </ul>                     | UN3480/<br>UN3481                 | yes                                   |
| PBA 18V 2.5 Ah W-B<br>(Art.No. 14903) | Detachable slide in lithium-ion accumulator | 0,360<br>0,362<br>0,362<br>0,362          | 45.0      | <ul style="list-style-type: none"> <li>28226658001</li> <li>28226658005</li> <li>28226658006</li> <li>HU215B2B 001</li> </ul>                                                                                  | <ul style="list-style-type: none"> <li>27.03.2015</li> <li>02.08.2016</li> <li>10.12.2020</li> <li>07.12.2021</li> </ul>                     | UN3480/<br>UN3481                 | yes                                   |
| PBA 18V 4.0 Ah W-C<br>(Art.No. 14905) | Detachable slide in lithium-ion accumulator | 0,640<br>0,575<br>0,630<br>0,575<br>0,575 | 72.0      | <ul style="list-style-type: none"> <li>28237202001</li> <li>28252403001</li> <li>HU21ZXY3 001</li> <li>HU21KAZX 001</li> <li>HU21KAZX 002</li> </ul>                                                           | <ul style="list-style-type: none"> <li>10.07.2017</li> <li>19.03.2020</li> <li>24.08.2021</li> <li>24.11.2021</li> <li>09.12.2021</li> </ul> | UN3480/<br>UN3481                 | yes                                   |

These battery packs are included in following products:

| Art.No.  | Model                                                    |
|----------|----------------------------------------------------------|
| 14600-20 | Subm. pump 2000/2 Clear 18V P4A Set                      |
| 14600-61 | Subm. pump 2000/2 Clear 18V P4A Set                      |
| 14602-20 | RainwaterTankPump2000/2 18V P4A Set                      |
| 14602-61 | RainwaterTankPump2000/2 18V P4A Set                      |
| 14620-20 | Lawnmower HandyMower 22/18V P4A Set                      |
| 14621-35 | Lawnmower HandyMower 22/18V P4A Set + 8735-20 gras shear |
| 14621-28 | Lawnmower HandyMower 22/18V P4A Set                      |
| 14621-20 | Lawnmower PowerMax 32/36V P4A Set                        |
| 14630-20 | Lawnmower PowerMax 30/18V P4A Set                        |
| 14632-20 | Lawnmower PowerMax 32/18V P4A Set                        |
| 14638-20 | Lawnmower PowerMax 37/36V P4A Set                        |
| 14700-20 | Trimmer EasyCut 23/18V P4A Set                           |
| 14701-20 | Trimmer ComfortCut 23/18V P4A Set                        |
| 14702-20 | Trimmer SmallCut 23/18V P4A                              |
| 14730-20 | Hedgetrimmer ComfCut 50/18V P4A Set                      |
| 14731-20 | Hedgetrimmer ComfCut 60/18V P4A Set                      |
| 14732-20 | Tel.Hedgetrimmer THS 42/18V-P4A Set                      |
| 14733-20 | Hedge Trimmer EasyCut 40/18V P4A                         |
| 14770-20 | Tel. Pruner TCS 20/18 P4A Set                            |
| 14772-20 | Pole Saw EasyCut 110/18V P4A Set                         |
| 14774-20 | Pole Saw HighCut 250/18V P4A Set                         |
| 14776-20 | Pole Saw HighCut 360/18V P4A Set                         |
| 14890-20 | Blower PowerJet 18V P4A Set                              |
| 14800-20 | Cleaner AquaClean 18V RtU Set                            |
| 14800-31 | Cleaner AquaClean 18V RtU Set Prem                       |
| 14800-32 | Cleaner AquaClean 18V RtU Display                        |
| 14800-34 | Cleaner AquaClean 18V RtU Display                        |
| 14902-20 | Battery PBA 18V/36 P4A                                   |
| 14903-20 | Battery PBA 18V/45 P4A                                   |
| 14905-20 | Battery PBA 18V/72 P4A                                   |
| 14906-20 | Starter-Kit P4A QC+1x2,5Ah                               |
| 14906-28 | Starter-Kit P4A PBA 18V/45 + AL 1830                     |
| 14907-20 | Starter-Kit P4A QC+2x2,5Ah                               |
| 14908-20 | Starter-Kit P4A QC+1x4,0Ah                               |
| 14909-20 | Starter-Kit P4A PBA 18V/36 + AL1810 CV                   |
| 14910-20 | Starter-Kit P4A PBA 18V/45 + AL1810 CV                   |
|          |                                                          |