



## 1. Cell, Battery or Product manufacture

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## 2. Battery Transportation Information

| Model Type                | Item description    | Battery mass (kg)         | Wh rating | Test report # | Test report date |
|---------------------------|---------------------|---------------------------|-----------|---------------|------------------|
| M28BX                     | Lithium-Ion battery | 0,999                     | 84        | RZUN2016-3430 | 23.04.2017       |
| M28B5                     | Lithium-Ion battery | 1,037                     | 140       | RZUN2017-1458 | 18.07.2017       |
| C18B,<br>M18B             | Lithium-Ion battery | 0,492,<br>0,411           | 27        | RZUN2018-1346 | 07.05.2018       |
| M18B2                     | Lithium-Ion battery | 0,428                     | 36        | RZUN2017-2129 | 13.12.2017       |
| C18B,<br>M18BX,<br>MV18BX | Lithium-Ion battery | 0,492,<br>0,717,<br>0,813 | 54        | RZUN2018-1345 | 22.05.2018       |
| M18HB3                    | Lithium-Ion battery | 0,609                     | 54        | RZUN2019-0515 | 29.01.2019       |
| M18B4                     | Lithium-Ion battery | 0,715                     | 72        | RZUN2019-2403 | 03.07.2019       |
| M18B5                     | Lithium-Ion battery | 0,726                     | 90        | RZUN2019-4817 | 07.01.2020       |
| M18HB5.5                  | Lithium-Ion battery | 1,100                     | 99        | RZUN2018-3408 | 20.12.2018       |
| M18B6                     | Lithium-Ion battery | 0,752                     | 108       | RZUN2018-1420 | 18.06.2018       |
| M18HB8                    | Lithium-Ion battery | 1,086                     | 144       | RZUN2018-3407 | 06.01.2019       |
| M18B9                     | Lithium-Ion battery | 1,088                     | 162       | RZUN2018-1422 | 18.06.2018       |
| M18HB12                   | Lithium-Ion battery | 1,531                     | 216       | RZUN2017-2358 | 04.02.2018       |
| C14B,<br>M14B             | Lithium-Ion battery | 0,347,<br>0,345           | 22        | RZUN2016-3423 | 06.04.2017       |
| C14BX,<br>M14BX           | Lithium-Ion battery | 0,621,<br>0,578           | 44        | RZUN2016-3415 | 26.03.2017       |
| C12B,<br>M12B             | Lithium-Ion battery | 0,200,<br>0,179           | 18        | RZUN2018-1402 | 12.07.2018       |
| M12B2                     | Lithium-Ion battery | 0,187                     | 24        | RZUN2018-1729 | 12.07.2018       |
| M12B3                     | Lithium-Ion battery | 0,190                     | 36        | RZUN2018-1419 | 18.06.2018       |
| C12BX,<br>M12BX           | Lithium-Ion battery | 0,405                     | 36        | RZUN2016-3422 | 28.03.2017       |
| M12B4                     | Lithium-Ion battery | 0,416                     | 48        | RZUN2017-2132 | 21.12.2017       |
| M12B6                     | Lithium-Ion battery | 0,423                     | 72        | RZUN2018-1418 | 18.06.2018       |
| M4B2                      | Lithium-Ion battery | 0,070                     | 8         | RZUN2017-2130 | 13.12.2017       |
| L4B2                      | Lithium-Ion battery | 0,070                     | 10        | RZUN2019-4815 | 01.07.2020       |
| MXFCP203                  | Lithium-Ion battery | 2,662                     | 216       | RZUN2018-1388 | 14.05.2018       |
| MXFC406                   | Lithium-Ion battery | 4,780                     | 432       | RZUN2018-1423 | 04.06.2018       |
| M14B4                     | Lithium-Ion battery | 0,580                     | 56        | RZUN2018-0120 | 18.01.2018       |
| L4B3                      | Lithium-Ion battery | 0,057                     | 12        | RZUN2019-3943 | 03.03.2020       |

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| <b>TTI-EMEA</b><br>Techtronic Industries GmbH<br>Max-Eyth-Straße 10<br>71364 Winnenden, Germany<br><br><b>Revision: 07 August 2020</b><br><b>Rev. No.: 1.5</b> | <b>Battery Test Summary</b><br><b>Subsection 38.3</b><br><b>Tests and Criteria</b><br><b>- Milwaukee -</b> |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|

|                                                        |                                                                                                      |                                                                                                |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <u>Description of cell or battery:</u>                 |                                                                                                      |                                                                                                |
| Battery used in consumer power tools                   |                                                                                                      |                                                                                                |
| Reference to assembled battery testing, if applicable: | Reference to the revised edition of the Manual of Tests and Criteria used and to amendments, if any: | <u>For air transport only</u><br>Does the cell or battery comply with the 30% state of charge? |
| <b>not applicable</b>                                  | <b>Revision 6, Amendment 1</b>                                                                       | <b>Yes</b>                                                                                     |

### 3. Test summary

| Contact information test laboratory                                                                                                                                                                                                      | Performed Tests |                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------|-------------|
| Vkan Certification & Testing Co. Ltd<br><br>Address:<br>No.3, Tiantaiyi Road,Kaitai Avenue,Science City,Guangzhou P. R. China.<br><br>Tel.: 020 32293888<br>Fax: 020 32293889<br>E-Mail: office@cvc.org.cn<br>Web: http://www.cvc.org.cn | 38.3.4.1 --- T1 | Altitude Simulation    | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.2 --- T2 | Thermal Test           | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.3 --- T3 | Vibration              | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.4 --- T4 | Shock                  | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.5 --- T5 | External Short Circuit | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.6 --- T6 | Impact / Crush         | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.7 --- T7 | Overcharge             | <b>Pass</b> |
|                                                                                                                                                                                                                                          | 38.3.4.8 --- T8 | Forced Discharge       | <b>Pass</b> |

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## 4. Product Classification for Transport (UN)

| UN CLASSIFICATION | PROPER SHIPPING NAME  |
|-------------------|-----------------------|
| UN 3480           | Lithium-Ion batteries |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document creation date<br>07.08.2020 | This document remains valid as no changes, modification, or additions are made to the model(s) described in this document, after transported from a Manufacture Techtronic Industries GmbH facility.<br><br>The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification. The model(s) must packaged, labeled and documented according to country and international regulations for transportation. |
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## 5. Responsible person



i.A. Maximilian Wieler

Manager Approvals, Associations and Standards

Techtronic Industries GmbH

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