



MILWAUKEE ELECTRIC TOOL CORPORATION

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Certificate of UN Test Compliance

Milwaukee Electric Tool Corporation hereby certifies that its rechargeable Lithium ion batteries have been tested to, and are compliant with, relevant battery test requirements as described in the UN *Manual of Tests and Criteria* (6th Revised Edition), Part III, Subsection 38.3. The following Lithium ion batteries are acceptable for ground, air, and sea transport when shipped in full compliance with applicable Dangerous Goods Regulations.

<i>Line Item</i>	<i>Lithium ion Battery Model Numbers</i>	<i>Rated Volts, Ah</i>	<i>Battery Construction (Series/Parallel)</i>	<i>Maximum Watt-hour Rating</i>
1	48-11-2830, M28 BX	28V, 3.0Ah	7S-2P	84 Wh
2	M28B5	28V, 5.0Ah	7S-2P	140 Wh*
3	48-11-1815, C18 B, M18 B	18V, 1.5Ah	5S-1P	27 Wh
4	48-11-1820, M18B2	18V, 2.0Ah	5S-1P	36 Wh
5	48-11-1828, 48-11-1830, C18 B, M18 BX, MV18 BX	18V, 3.0Ah	5S-2P	54 Wh
6	48-11-1840, M18B4	18V, 4.0Ah	5S-2P	72 Wh
7	48-11-1850, M18B5	18V, 5.0Ah	5S-2P	90 Wh
8	48-11-1860, M18B6	18V, 6.0Ah	5S-2P	108 Wh*
9	48-11-1890, M18B9	18V, 9.0Ah	5S-3P	162 Wh*
10	C14 B, M14 B	14.4V, 1.5Ah	4S-1P	22 Wh
11	C14 BX, M14 BX	14.4V, 3.0Ah	4S-2P	44 Wh
12	48-11-2401, C12 B, M12 B	12V, 1.5Ah	3S-1P	18 Wh
13	48-11-2402, C12 BX, M12 BX	12V, 3Ah	3S-2P	36 Wh
14	48-11-2420, M12B2	12V, 2Ah	3S-1P	24 Wh
15	48-11-2430, M12B3	12V, 3Ah	3S-1P	36 Wh
16	48-11-2440, M12B4	12V, 4Ah	3S-2P	48 Wh
17	48-11-2460, M12B6	12V, 6Ah	3S-2P	72 Wh
18	48-11-2001, M4B2	4V, 2Ah	1S-1P	8 Wh
19	48-11-0490, V4 B	4V, 3Ah	1S-1P	12 Wh

*Regulated as full Class 9 Dangerous Goods except when transported by ground within the U.S.A.

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UN test documentation for the Lithium ion batteries indicated above is maintained on file at the Milwaukee Electric Tool Corporation headquarters in Brookfield, Wisconsin, USA.

Important note: All transportation of Lithium ion batteries by ground, air, and sea is governed by U.S. and International dangerous goods regulations. These include the following examples (see next page):

- U.S. Department of Transportation (DOT), Pipeline and Hazardous Material Safety Administration (PHMSA): *Hazardous Material Regulations* (HMR)
- Canada Transport Dangerous Goods (TDG): *Transportation of Dangerous Goods Regulations*
- UN "ADR": *European Agreement Concerning the International Carriage of Dangerous Goods by Road*
- UN "RID": *European Agreement Concerning the International Carriage of Dangerous Goods by Rail*
- UN "ADN": *European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways*
- International Air Transport Association (IATA): *Dangerous Goods Regulations* (DGR)
- UN: International Civil Aviation Organization (ICAO): *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (TI)
- UN: International Maritime Organization (IMO): *International Maritime Dangerous Goods Code* (IMDG)
- UN: *Recommendations on the Transport of Dangerous Goods, Model Regulations*

Prior to any battery shipment, always confirm with your freight forwarder and/or carrier the particular shipping requirements of the current Dangerous Goods Regulations that apply to your Lithium ion battery consignments.

Sincerely,

Greg Schulz
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