**CIPED – ELECTRICAL INSULATION LABORATORY**
**Certificate of Recognition No. 11002**

| INSULATION TEST CERTIFICATE | Nr.: | 85247 |
|---|---|---|
| | Date: | 13/05/2024 |



| 1. GENERAL TEST DATA | |
|---|---|
| **Requester:** | Tramontina Garibaldi S.A. Ind. Met. |
| **Test date:** | 13/05/2024 |
| **Place:** | Tramontina Garibaldi S.A. Test Laboratory, located at Tramontina Street, 600 – Garibaldi – RS |
| **Environmental Condition:** | Temperature from 18 °C to 28 °C and 45% to 75% relative humidity |
| **Test method:** | Before the test, the sample is conditioned as described in IEC 60900:2018, sections 5.5.2.2 or 5.5.2.3. After the conditioning period, the sample is submitted to voltage of 10 kV r.m.s (60 Hz) for 3 minutes, in accordance with item 5.5.3 – Dielectric Test of Insulated Hand Tools, of the aforementioned standard. |

| 2. TESTED ITEM IDENTIFICATION | |
|---|---|
| **Manufacturer:** | Tramontina Garibaldi S.A. Ind. Met. |
| **Description of tested item:** | 1/2" IEC 60900 Reversible Ratchet 10" |
| **Reference:** | 44330/010 |
| **Manufacturing order number:** | 244322 |
| **Sample:** | The tested samples come from the industrial process of the aforementioned manufacturing order. |

| 3. STANDARD IDENTIFICATION | |
|---|---|
| **Equipment:** | High Voltage Source |
| **Identification Number:** | 100/013 |
| **Traceability:** | Calibrated by LABELO Laboratory, recognized by Cgcre/Inmetro CAL 0024, Calibration Certificate No. E0009/2020, according to PL015. |

| 4. TEST RESULT IN ACCORDANCE TO IEC 60900:2018 STANDARD | |
|---|---|
| **Batch representative sample** | **RESULT** |
| **44330/010** | **Approved** |

**NOTES:**

a) This tool underwent insulation testing, and even after long storage periods, it is suitable for use.
After the first application, annual recertification is necessary.

b) The results shown herein are related exclusively to the tested tool, within the specified conditions.
They cannot be extended to any lot, even for similar products.

c) This document may only be reproduced in full. Partial reproduction requires written approval from the laboratory.

Eng. José Carlos Rizzolli
Authorized Signer