

|                                    |       |                   |
|------------------------------------|-------|-------------------|
| <b>INSULATION TEST CERTIFICATE</b> | Nr.:  | <b>68953</b>      |
|                                    | Date: | <b>31/10/2022</b> |

Pag. 1 de 1.

|                             |                                                                                                                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. GENERAL TEST DATA</b> |                                                                                                                                                                                                                                                                                                                          |
| Requester:                  | Tramontina Garibaldi S.A. Ind. Met.                                                                                                                                                                                                                                                                                      |
| Test date:                  | 31/10/2022                                                                                                                                                                                                                                                                                                               |
| 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. |

|                                      |                                                                                                |
|--------------------------------------|------------------------------------------------------------------------------------------------|
| <b>2. TESTED ITEM IDENTIFICATION</b> |                                                                                                |
| Manufacturer:                        | Tramontina Garibaldi S.A. Ind. Met.                                                            |
| Description of tested item:          | 11mm IEC Ring Spanner                                                                          |
| Reference:                           | 44322/011                                                                                      |
| Manufacturing order number:          | 163598                                                                                         |
| Sample:                              | The tested samples come from the industrial process of the aforementioned manufacturing order. |

|                                   |                                                                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>3. STANDARD IDENTIFICATION</b> |                                                                                                                                    |
| 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. |

|                                                                |                 |
|----------------------------------------------------------------|-----------------|
| <b>4. TEST RESULT IN ACCORDANCE TO IEC 60900:2018 STANDARD</b> |                 |
| <b>Batch representative sample</b>                             | <b>RESULT</b>   |
| <b>44322/011</b>                                               | <b>Approved</b> |

**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