

<b>INSULATION TEST CERTIFICATE</b>	<b>Nr.:</b>	<b>81009</b>
	<b>Date:</b>	<b>13/12/2023</b>

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<b>1. GENERAL TEST DATA</b>	
<b>Requester:</b>	Tramontina Garibaldi S.A. Ind. Met.
<b>Test date:</b>	13/12/2023
<b>Place:</b>	Tramontina Garibaldi S.A. Test Laboratory, located at Tramontina Street, 600 – Garibaldi – RS
<b>Environmental Condition:</b>	Temperature from 18 °C to 28 °C and 45% to 75% relative humidity
<b>Test method:</b>	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>	
<b>Manufacturer:</b>	Tramontina Garibaldi S.A. Ind. Met.
<b>Description of tested item:</b>	12x13mm IEC 60900 Ratchet Ring Spanner
<b>Reference:</b>	44325/003
<b>Manufacturing order number:</b>	221348
<b>Sample:</b>	The tested samples come from the industrial process of the aforementioned manufacturing order.

<b>3. STANDARD IDENTIFICATION</b>	
<b>Equipment:</b>	High Voltage Source
<b>Identification Number:</b>	100/013
<b>Traceability:</b>	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>44325/003</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