

INSULATION TEST CERTIFICATE	Nr.:	109428
	Date:	17/09/2026

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1. GENERAL TEST DATA	
Requester:	Tramontina Garibaldi S.A. Ind. Met.
Test date:	17/09/2026
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:	10-50 N.m IEC 60900 Insulated Torque Wrench 1/2"
Reference:	44343/102
Manufacturing order number:	4500059172
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. E0012/2026, according to PL015.

4. TEST RESULT IN ACCORDANCE TO IEC 60900:2018 STANDARD	
Batch representative sample	RESULT
44343/102	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