

CIPED – ELECTRICAL INSULATION LABORATORY Certificate of Recognition No. 11002



Date: 17/02/2025 Pag. 1 de 1. GENERAL TEST DATA Requester: Tramontina Garibaldi S.A. Ind. Met. Test date: 17/02/2025 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	INSULATION TEST CERTIFICATE		Nr.:	91690	
1. GENERAL TEST DATA Requester: Tramontina Garibaldi S.A. Ind. Met. Test date: 17/02/2025 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 Before the test, the sample is conditioned as described in IEC 60900:2011 sections 5.5.2.2 or 5.5.2.3. After the conditioning period, the sample is submitted to voltage of 10 kV r.ms. (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 Tramontina Garibaldi S.A. Ind. Met. Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the			Date:	17/02/2025	
Requester: Tramontina Garibaldi S.A. Ind. Met. Test date: 17/02/2025 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 Before the test, the sample is conditioned as described in IEC 60900:2011 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 Tramontina Garibaldi S.A. Ind. Met. Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Pag. 1 de 1				
Test date: 17/02/2025 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 Before the test, the sample is conditioned as described in IEC 60900:2011 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 Tramontina Garibaldi S.A. Ind. Met. Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	1. GENERAL TEST DATA				
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 60900:2011 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: Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Requester:	Tramontina Garibaldi S.A. Ind. Met.			
Place: 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 Tramontina Garibaldi S.A. Ind. Met. Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Test date:	17/02/2025			
Test method: Before the test, the sample is conditioned as described in IEC 60900:2014 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 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 The tested samples come from the industrial process of the	Place:	Tramontina Garibaldi S.A. Test Laboratory, located at Tramontina Street, 600 – Garibaldi – RS			
Test method: 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 Tramontina Garibaldi S.A. Ind. Met. Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Environmental Condition:	Temperature from 18 °C to 28 °C and 45% to 75% relative humidity			
Manufacturer: Tramontina Garibaldi S.A. Ind. Met. Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Test method:	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			
Description of tested item: 10 mm IEC 60900 Insulated Hex Key Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	2. TESTED ITEM IDENTIFICATION				
Reference: 44318/010 Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Manufacturer:	Tramontina Garibaldi S.A. Ind. Met.			
Manufacturing order number: 1011094 Sample: The tested samples come from the industrial process of the	Description of tested item:	10 mm IEC 60900 Insulated Hex Key			
Sample: The tested samples come from the industrial process of the	Reference:	44318/010			
	Manufacturing order number:	1011094			
	Sample:				
3. STANDARD IDENTIFICATION	3. STANDARD IDENTIFICATION				
Equipment: High Voltage Source	Equipment:	High Voltage Source			
Identification Number: 100/013	Identification Number:	100/013			
Traceability: Calibrated by LABELO Laboratory, recognized by Cgcre/Inmetro CAL 0024, Calibration Certificate No. E0009/2020, according to PL015.	Traceability:				

4. TEST RESULT IN ACCORDANCE TO IEC 60900:2018 STANDARD RESULT Batch representative sample 44318/010 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.

Jou carlo tigille

Eng. José Carlos Rizzolli Authorized Signer

www.tramontina.com.br/pro