



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory,

**TEKİŞ ELEKTRİK MAKİNA İMALAT İNŞAAT TAAHHÜT SANAYİ
VE TİCARET ANONİM ŞİRKETİ TEST LABORATUVARI**

**BAŞKENT OSB.ATATÜRK BULVARI NO:67 SINCAN-MALIKOY
ANKARA / TURKEY**

is **accredited** in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by **TURKAK**.

Accreditation Number : AB-1538-T

Accreditation Date : 17 February 2020

This certificate shall remain in force until **16 February 2024**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.



Banur
G. Banu MÜDERRİSOĞLU
Secretary General

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

Annex of the certificate (Page 1/1)

Accreditation Scope

 Test TS EN ISO IEC 17025 AB-1538-T	TEKİŞ ELEKTRİK MAKİNA İMALAT İNŞAAT TAAHHÜT SANAYİ VE TİCARET ANONİM ŞİRKETİ TEST LABORATUVARI Accreditation Nr: AB-1538-T Revision Nr: 00 Date: 17.02.2020 As a Testing Laboratory <table> <tr> <td> Address: BAŞKENT OSB.ATATÜRK BULVARI NO:67 SİNCAN-MALIKOY ANKARA/TÜRKİYE </td><td> Phone : 03123964002 Fax : 03123964003 E-Mail : kalite@tektransformator.com Website : info@tekistrafo.com </td></tr> </table>	Address: BAŞKENT OSB.ATATÜRK BULVARI NO:67 SİNCAN-MALIKOY ANKARA/TÜRKİYE	Phone : 03123964002 Fax : 03123964003 E-Mail : kalite@tektransformator.com Website : info@tekistrafo.com
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Power Transformers	Measurement of winding resistance	TS EN 60076-1 clause 11.2 IEC 60076-1 clause 11.2
Power Transformers	Measurement of voltage ratio and check of phase displacement	TS EN 60076-1 clause 11.3 IEC 60076-1 clause 11.3
Power Transformers	Measurement of short-circuit impedance and load loss	TS EN 60076-1 clause 11.4 IEC 60076-1 clause 11.4
Power Transformers	Measurement of no-load loss and current	TS EN 60076-1 clause 11.5 IEC 60076-1 clause 11.5
Power Transformers	Applied voltage test (Max. AC 50 Hz 100 kV)	TS EN 60076-3 clause 10 IEC 60076-3 clause 10
Power Transformers	Induced voltage withstand test (Max. AC 150 Hz 1000 V)	TS EN 60076-3 clause 11.2 IEC 60076-3 clause 11.2
Power Transformers	Temperature rise for liquid-immersed transformers (Max. AC 50 Hz 10 MVA)	TS EN 60076-2 IEC 60076-2
Power Transformers	Measurement of d.c. Insulation resistance each winding to earth and between windings (Max. DC 5 kV 10 TΩ)	TS EN 60076-1 clause 11.1.4.h IEC 60076-1 clause 11.1.4.h IEEE C57.12.90 clause 10.11
Power Transformers	Leak testing with pressure for liquid immersed transformers (tightness test)	TS EN 60076-1 clause 11.8 IEC 60076-1 clause 11.8
Insulating liquids	Insulating liquids - Determination of the breakdown voltage at power frequency-Test method	TS 3989 EN 60156 IEC 60156
Power Transformers	Measurement of coating (paint) thickness (Max. 1.25 mm)	TS EN ISO 2178 EN ISO 2178 TS EN ISO 2808 EN ISO 2808
Power Transformers	Check of core and frame insulation	TS EN 60076-1 clause 11.12 IEC 60076-1 clause 11.12

End of Scope



Banül
G. Banu MÜDERRİSOĞLU
Secretary General