



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

EMTA ELEKTRİK MÜHENDİSLİK İNŞAAT TAAHHÜT VE TİCARET ANONİM ŞİRKETİ

Central Address: KADİRLİOSB MEVKİİ 1 CAD. EMTA ELK.MÜH.İNŞ.VE TİC.A.Ş. EMTA KABLO SAN.AŞ. NO:15/B KADİRLİ Osmaniye / Türkiye

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-1490-T

Accreditation Date : 10.12.2019

Revision Date / Number : 27.02.2024 / 02

This certificate shall remain in force until **08.12.2027**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
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.

This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

 Test TS EN ISO/IEC 17025 AB-1490-T	EMTA ELEKTRİK MÜHENDİSLİK İNŞAAT TAAHHÜT VE TİCARET ANONİM ŞİRKETİ Accreditation Nr: AB-1490-T Revision Nr: 02 Date: 27.02.2024 Testing Laboratory <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> Address : KADIRLIOSB MEVKİİ 1 CAD. EMTA ELK.MÜH.İNŞ.VE TİC.A.Ş. EMTA KABLO SAN.AŞ. NO:15/B KADIRLI Osmaniye / Türkiye </td><td style="width: 50%;"> Phone : +90 328 739 2305 Fax : - Email : hdogan@emta.com.tr Website : </td></tr> </table>	Address : KADIRLIOSB MEVKİİ 1 CAD. EMTA ELK.MÜH.İNŞ.VE TİC.A.Ş. EMTA KABLO SAN.AŞ. NO:15/B KADIRLI Osmaniye / Türkiye	Phone : +90 328 739 2305 Fax : - Email : hdogan@emta.com.tr Website :
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Electrical,Electronic and IT Products and Devices		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Conductors for overhead lines-Round wire concentric lay stranded conductors	Stranded Conductors - Surface Condition Determination - Surface Visual Inspection	TS EN 50182 (Clause 6.4.1) BS EN 50182 (Clause 6.4.1) BS EN 50540 (Clause 6.4.1) TS EN 50540 (Clause 6.4.1)
Conductors for overhead lines-Round wire concentric lay stranded conductors	Stranded Conductors - Conductor Diameter Determination Max.150 mm	TS EN 50182 (Clause 6.4.2) BS EN 50182 (Clause 6.4.2) BS EN 50540 (Clause 6.4.2) TS EN 50540 (Clause 6.4.2)
Conductors for overhead lines-Round wire concentric lay stranded conductors	Stranded Conductors - Inertness Detection	TS EN 50182 (Clause 6.4.3) BS EN 50182 (Clause 6.4.3) BS EN 50540 (Clause 6.4.3) TS EN 50540 (Clause 6.4.3)
Conductors for overhead lines-Round wire concentric lay stranded conductors	Stranded Conductors - Lay Ratio and Direction of Lay Determination	TS EN 50182 (Clause 6.4.4) BS EN 50182 (Clause 6.4.4) BS EN 50540: (Clause 6.4.4) TS EN 50540 (Clause 6.4.4)
Conductors for overhead lines-Round wire concentric lay stranded conductors	Stranded Conductors - Determination of Type and Number of Wires	TS EN 50182 (Clause 6.4.5) BS EN 50182 (Clause 6.4.5) BS EN 50540: (Clause 6.4.5) TS EN 50540 (Clause 6.4.5)
Conductors for overhead lines-Round wire concentric lay stranded conductors	Stranded Conductors - Determination of Mass Per Unit Length of Conductor	TS EN 50182 (Clause 6.4.6) BS EN 50182 (Clause 6.4.6) BS EN 50540: (Clause 6.4.7) TS EN 50540 (Clause 6.4.7)
Conductors for overhead lines- Aluminum and/or Aluminum Alloy Wires	Aluminum / Aluminum Alloy Wires - Diameter Determination Max.150 mm	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS 9632 EN 50183 (Clause 11.2) BS EN 50183 (Clause 11.2) TS EN IEC 62641 (Clause 6.4.2)
Conductors for overhead lines- Aluminum and/or Aluminum Alloy Wires	Aluminum / Aluminum Alloy Wires - Tensile Strength Determination Min. 0.5 kN - Max. 50 kN at Ambient Temperature	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS 9632 EN 50183 (Clause 11.3) BS EN 50183 (Clause 11.3) TS EN ISO 6892-1 BS EN ISO 6892-1 TS EN IEC 62641 (Clause 6.4.3) BS EN 50540 Clause 6.5.2) TS EN 50540 Clause 6.5.2)
Conductors for overhead lines- Aluminum and/or Aluminum Alloy Wires	Aluminum / Aluminum Alloy Wires - Percent Elongation Determination	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS 9632 EN 50183 (Clause 11.3) BS EN 50183 (Clause 11.3) TS EN ISO 6892-1 BS EN ISO 6892-1 BS EN 50540 (Clause 6.5.2) TS EN 50540 (Clause 6.5.2) TS EN IEC 62641 (Clause 6.4.4)



Accreditation Scope

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Conductors for overhead lines- Aluminum and/or Aluminum Alloy Wires	Aluminum / Aluminum Alloy Wires -Determination of Resistivity	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS 9632 EN 50183 (Clause 11.6) BS EN 50183 (Clause 11.6) IEC 60468 (Clause 7) BS EN 50540 (Clause 6.5.2) TS EN 50540 (Clause 6.5.2) TS EN IEC 62641 (Clause 6.4.7) TS 9593 (Clause 3) IEC 60468 (Clause 7)
Conductors for overhead lines- Aluminum and/or Aluminum Alloy Wires	Aluminum / Aluminum Alloy Wires - Winding Test	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS 9632 EN 50183 (Clause 11.4) BS EN 50183 (Clause 11.4) TS EN IEC 62641 (Clause 6.4.5) ISO 7802
Conductors for overhead lines- Aluminum and/or Aluminum Alloy Wires	Aluminum / Aluminum Alloy Wires - Welding Process Test	TS EN 50182 (Clause 6.5.3) BS EN 50182 (Clause 6.5.3)
Conductors for overhead lines - Steel Wires	Steel Wires - Diameter Determination Max.150 mm	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS EN 61232 (Clause 4.4) BS EN 61232 (Clause 4.4) BS EN 50540 (Clause 6.5.2) TS EN IEC 63248 (Clause 7.4.2)
Conductors for overhead lines - Steel Wires	Steel Wires - Tensile Strength Determination Min. 0.5 kN - Max. 50 kN at Ambient Temperature	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS EN 61232 (Clause 4.6) BS EN 61232 (Clause 4.6) TS EN ISO 6892-1 BS EN ISO 6892-1 BS EN 50540 (Clause 6.5.2) TS EN IEC 63248 (Clause 7.4.3)
Conductors for overhead lines - Steel Wires	Steel Wires - Determination of Tensile Strength at 1% Expansion - Determination of Tensile Strength at 1% Elongation Min. 0.5 kN - Max. 50 kN at Ambient Temperature	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS EN 61232 (Clause 4.10) BS EN 61232 (Clause 4.10) TS EN IEC 63248 (Clause 7.4.3) BS EN ISO 6892-1 TS EN ISO 6892-1
Conductors for overhead lines - Steel Wires	Steel Wires - Percent Elongation Determination	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) TS EN 61232 (Clause 4.7) BS EN 61232 (Clause 4.7) TS EN ISO 6892-1 BS EN ISO 6892-1 BS EN 50540 (Clause 6.5.2) TS EN IEC 63248 (Clause 7.4.3)
Conductors for overhead lines - Steel Wires	Steel Wires - Determination of Zinc Coating Adhesion	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) BS EN 50540 (Clause 6.5.2) TS EN IEC 63248 (Clause 7.4.5) EN 10244-2 (Clause 4.2)
Conductors for overhead lines - Steel Wires	Steel Wires - Determination of Zinc mass	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) BS EN 50540 (Clause 6.5.2) EN 10244-2 (Clause 4.2) TS EN IEC 63248 (Clause 7.4.5)



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Conductors for overhead lines - Steel Wires	Steel Wires - Determination of Zinc Dip	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) BS EN 50540 (Clause 6.5.2) EN 10244-2 (Clause 4.2) TS EN IEC 63248 (Clause 7.4.5)
Conductors for overhead lines - Steel Wires	Steel Wires - Winding Test	TS EN 50182 (Clause 6.5.2) BS EN 50182 (Clause 6.5.2) ISO 7802 TS EN IEC 63248 (Clause 7.4.4)
Conductors for overhead lines - Characteristics of greases	Determination of Mass Per Unit Length of Grease	TS EN 50182 (Clause 6.6.1) EN 50182 (Clause 6.6.1) BS EN 50540 (Clause 6.4.7)
Conductors for overhead lines - Characteristics of greases	Determination of Grease Drop Point	TS EN 50182 (Clause 6.6.2) EN 50182 (Clause 6.6.2) TS EN 50326 (Clause 6.5)

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