



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

EREĞLİ DEMİR VE ÇELİK FABRİKALARI TÜRK ANONİM ŞİRKETİ

Central Address: MÜFTÜ MAH. UZUNKUM CAD. No:7/ EREĞLİ/ZONGULDAK Zonguldak / 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-0852-T

Accreditation Date : 06.11.2015

Revision Date / Number : 15.10.2025 / 06

This certificate shall remain in force until **04.11.2027**, 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.

 Türk TS EN ISO/IEC 17025 AB-0852-T	EREĞLİ DEMİR VE ÇELİK FABRİKALARI TÜRK ANONİM ŞİRKETİ	
	Accreditation Nr : AB-0852-T Revision Nr: 06 Date: 15.10.2025	
	Testing Laboratory	
Address : MÜFTÜ MAH. UZUNKUM CAD. No:7/ EREĞLİ/ZONGULDAK Zonguldak / Türkiye		Phone : +90 372 323 2500 Fax : - Email : iletisim@erdemir.com.tr Website : www.erdemir.com.tr

Products and Materials of Metals and Alloys		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Rolled Steel	Tensile Testing (Ambient Temperature, 4 kN – 1500 kN)	DIN EN ISO 6892-1 ASTM A 370 JIS Z 2241
Galvanized Rolled Steel	Determination of Coating Mass for Galvanized Steel	EN 10346
Iron, Steel	Determination of Carbon and Sulfur by Various Combustion and Fusion Techniques	ASTM E1019
Steel	Determination of silicon content – Gravimetric method	ISO 439

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Fuels		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Coal	Standard Test Method for Ash in the Analysis Sample of Coal and Coke from Coal	ASTM D3174
Coal	Determination of Gross Calorific Value of Coal and Coke	ASTM D5865
Coal	Standard Practice for Preparing Coal Samples for Analysis	ASTM D2013/D2013M
Coal	Standard Test Methods for Proximate Analysis of Coal and Coke by Macro Thermogravimetric Analysis	ASTM D7582
Coal	Standard Test Method for Sulfur in the Analysis Sample of Coal and Coke Using High-Temperature Tube Furnace Combustion	ASTM D4239
Metallurgical Coke	Tumbler Test for Coke – Stability and Hardness	ASTM D3402 / ASTM D3402M
Metallurgical Coke	Standard Test Method for Measuring Coke Reactivity Index (CRI) and Coke Strength After Reaction (CSR)	ASTM D5341 / ASTM D5341M
Coke	Determination of Carbon (C) Amount Instrumental Analysis Method	ASTM D5373

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Lubricants		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Lubricants	Standard Test Methods for Saponification Number of Petroleum Products	ASTM D 94
Mineral oils	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052

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Minerals and Mineral Ores		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Iron Ore	Determination of Total Iron (Fe) Titration with Dichromate Method	ASTME 246
Iron Ore	Determination of Total Iron (Fe) Titration Method after Tin II chloride reduction	ISO 2597-1
Metal Alloys Ferroalloy Types (FeSi, FeMn, FeSiMn)	Determination of Total Carbon (C) and Total Sulfur (S) High Temperature Tube Furnace Combustion Method with IR Absorption	ASTME1915

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Mechanical Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Metallic Materials	Standard Practice for Operating Salt Spray (Fog) Apparatus	ASTM B117 ISO 9227

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Petroleum and Petroleum Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Fuel Oil Types	Determination of Carbon (C) Quantity Instrumental Analysis Method	ASTM D5291 Method A

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