
 <p>TÜRKAK</p> <p>Test TS EN ISO/IEC 17025 AB-1160-T</p>	<p>MATİL MALZEME TEST VE İNOVASYON LABORATUVARLARI ANONİM ŞİRKETİ</p> <p>Accreditation Nr: AB-1160-T Revision Nr: 05 Date: 03.09.2023</p>	
	<p>Testing Laboratory</p> <p>Address : REŞİTPAŞA MAH. KATAR CAD. İTÜ ÖĞRENCİ İŞLERİ DEKANLIĞI NO:2 7/17 SARIYER İstanbul / Türkiye</p> <p>Phone : +90 212 286 3380 Fax : - Email : sinan.aras@matil.org Website :</p>	

Products and Materials of Metals and Alloys		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Metallic Materials Metallic and Welded Materials	Tensile Testing (Method of test at room Temperature (min) 0.3 kN - (max) 2500 kN) with sample preparation and product standards	TS EN ISO 6892-1 ASTM A370 ASTM E8/E8M GOST 12004 TS EN ISO 15630-1 TS 708 BS 4449 BS 4482 BS 6744 ISO 4136 ISO 898-1 API 5L API 1104 ASME Section IX- QW150 DIN 488-2 NEN 6008 SS560 CS2 ASTM A615/A615M ASTM A706/A706M MS146
Metallic Materials	Charpy (V-notch and U-notch) Pendulum Impact Test V, (450J) (at Room Temperature, between 0°C and -80°C)	TS EN ISO 148-1 ASTM E23 ASTM A370
Metallic Materials	Bend Test	TS EN ISO 148-1 ASTM E23 ASTM A370
Metallic Materials	Bend - Rebend Test	TS 708 BS 4449 TS EN ISO 15630-1 DIN 488-2 NEN 6008 SS560 CS2 GOST 52544 TU 14-1-5596 ASTM A370 ASTM E8/E8M ASTM A615/A615M ASTM A706/A706M MS146
Metallic Materials	Rockwell Hardness Test-C(HRC)	TS EN ISO 6508-1 ASTM E18
Metallic Materials	Vickers Hardness Test HV 0,1 HV 0,3 HV 1 HV 5 HV 10 and HV 30	TS EN ISO 6507-1 ASTM E384 TS EN ISO 9015-1
Metallic Materials	Brinell Hardness Test 2,5/62,5 - 2,5/187,5 - 5/750 - 10/3000 HBW	TS EN ISO 6506-1 ASTM E10




Accreditation Scope

 MATİL MALZEME TEST VE İNOVASYON LABORATUVARLARI ANONİM ŞİRKETİ		
Accreditation Nr: AB-1160-T Revision Nr: 05 Date: 03.09.2023		
Testing Laboratory		
Address : RESİTPAŞA MAH. KATAR CAD. İTÜ ÖĞRENCİ İŞLERİ DEKANLIĞI NO:2 /1/1 SARIYER İstanbul / Türkiye		Phone : +90 212 286 3380 Fax : - Email : sinan.aras@matil.org Website :
Metallic Materials Metallic and Welded Materials	Fatigue Test	TS EN ISO 15630-1 TS 708 BS 4449 BRL 0501 DIN 488-2 ISO 15835-2 ISO 3800-1 NEN 6008 SS560 CS2 GOST 52544 TU 14-1-5596 MS 146
Metallic Materials	Standard Test Methods for Determining Hardenability of Steel - Jominy Test	ASTM A255 ISO 642
Metallic Materials Steel and Iron	Standard Practice for Sampling Steel and Iron for Determination of Chemical Composition	ASTM E1806 TS EN ISO 14284
Metallic Materials High Manganese Steel	Standard Test Method for Analysis of High Manganese Steel by Spark Atomic Emission Spectrometry Carbon (C), Silicon (Si), Manganese (Mn), Phosphorous (P) Chromium (Cr), Molybdenum (Mo), Nickel (Ni)	ASTM E2209
Metallic Materials Austenitic Stainless Steel	Standard Test Method for Analysis ofc Austenitic Stainless Steel by Spark Atomic Emission Spectrometry Carbon (C), Silicon (Si), Manganese (Mn), Phosphorus(P) Sulfur (S), Chromium (Cr), Molybdenum (Mo) Nickel (Ni), Copper (Cu)	ASTM E1086
Metallic Materials Carbon and Low- Alloy Steel	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry Carbon (C), Silicon (Si), Manganese (Mn),Phosphorous(P) Sulfur (S), Chromium (Cr), Molybdenum (Mo), Nickel (Ni), Copper (Cu), Vanadium (V), Boron (B), Cobalt (Co), Nitrogen (N), Aluminum (Al), Titanium (Ti)	ASTM E415
Metallic Materials	Preparation of Metallographic Specimens	ASTM E3
Metallic Materials	Standard Test Methods for Determining the Inclusion Content of Steel	ASTM E45 DIN 50602 EN ISO 10247
Metallic Materials Steel	Standard Test Methods for Determining Average Grain Size	ASTM E112 TS EN ISO 643
Metallic Materials Steel	Rib Geometry with sample preparation and product standards	TS 708 (article 7.4) BS 4449 (article 7.4) TS EN ISO 15630-1 (article 10) NEN 6008 (article 7.4) DIN 488-2 SS560 CS2 GOST 52544 TU 14-1-5596 ASTM A615/A615M ASTM A706/A706M MS 146
Metallic Materials Cast Iron	Standard Test Method for Analysis of Cast Iron by Spark Atomic Emission Spectrometry Carbon (C), Silicon (Si), Manganese (Mn), Phosphorous(P), Sulfur (S) Chromium (Cr), Molybdenum (Mo), Nickel (Ni), Copper (Cu), Vanadium (V), Tin (Sn), Titanium (Ti)	ASTM E1999
Metallic Materials	Determination of the zinc coating mass	EN 10346 (article 7.9)
Metallic Materials Steel wire and products	Determination of the zinc coating mass on steel wire	ISO 7989:1-2 article 5.2



Accreditation Scope

 Test TS EN ISO/IEC 17025 AB-1160-T	MATİL MALZEME TEST VE İNOVASYON LABORATUVARLARI ANONİM ŞİRKETİ	
	Accreditation Nr: AB-1160-T Revision Nr: 05 Date: 03.09.2023	
Testing Laboratory		
Address : RESİTPAŞA MAH. KATAR CAD. İTÜ ÖĞRENCİ İŞLERİ DEKANLIĞI NO:2 /1/1 SARIYER İstanbul / Türkiye		Phone : +90 212 286 3380 Fax : - Email : sinan.aras@matil.org Website :
Metallic Materials Cold reduced tinmill products	Determination of the electrolytic tinplate coated steel	TS EN 10202 Attachment -B
Metallic Materials	Determination of depth of decarburization	EN 13674-1 (9.1.4) ASTM E1077 ISO 3887
Metallic Materials	Fatigue Test (Low Cycle)	ISO 15835-2 PN-H-93220
Metallic Materials	Standard Method of Macroetch Testing	ASTM E381

This document has been signed by Gülden Banu Müderrisoğlu on {1} 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-1160-T	MATİL MALZEME TEST VE İNOVASYON LABORATUVARLARI ANONİM ŞİRKETİ Accreditation Nr: AB-1160-T Revision Nr: 05 Date: 03.09.2023
---	--

Fuels		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Coal Brown Coal Lignite	Sample Preparation Method for General Analysis	ASTM D2013 / D2013M
Coal, Coke	Determination of gross calorific value and calculation of net calorific value Bomb Calorimeter Method	TS ISO 1928
Coal Coke	Calculation of Fixed Carbon Content with Determination of Moisture, Volatile Matter and Ash Thermogravimetric Method	ASTM D 7582
Coal	Determination of Carbon (C) and Hydrogen (H) content Instrumental Analysis Method	ASTM D5373
Coal Bituminous Coal	Determination of Total Moisture	ISO 589 (METHOD B2)
Coal Coke	Standard Test Method for Sulfur in the Analysis Sample of Coal Using High Temperature Tube Furnace Combustion	ASTM D4239
Coal Coke	Standard Test Method for Total Sulfur in Coal and Coke Combustion Residues Using a High-Temperature Tube Furnace Combustion Method with Infrared Absorption	ASTM D5016

This document has been signed by Gülден Banu Müderrisođlu on {1} with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

