TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

USB CERTIFICATION TEST MUAYENE LABORATUVAR BELGELENDİRME HİZMETLERİ ANONİM ŞİRKETİ

Central Address: KOZYATAĞI MAH. SARIKANARYA SK. No:16/4 KADIKÖY/İSTANBUL İstanbul / 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-1890-T

Accreditation Date : 16.08.2024

Revision Date / Number : 11.05.2026 / 03

This certificate shall remain in force until 16.08.2028, 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.

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Test
TS EN ISO/IEC 17025
AB-1890-T

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Accreditation Nr : AB-1890-T
Revision Nr: 03 Date: 11.05.2026

Testing Laboratory

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İstanbul / Türkiye

Phone : +90 232 446 4416
Fax : +90 232 446 4912
Email : info@usbcertification.com
Website : www.usbcertification.com

Textile and Leather Products

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Leather	Determination of Water Vapour Permeability	TS EN ISO 14268
Leather	Determination of pH (Using pH Meter)	TS EN ISO 4045
Textiles	Determination of pH of Aqueous Extract (Using pH Meter)	TS EN ISO 3071
Textiles	Determination of Resistance to Water Penetration Hydrostatic Pressure Test	TS EN ISO 811
Textiles-Fabrics	Determination of Mass Per Unit Area	TS 251 Clause 6
Rubber or Plastics Coated Fabrics	Determination of Coating Adhesion	TS EN ISO 2411
Plastics	Methods for Determining the Density of Non-cellular Plastics	TS EN ISO 1183-1
Leather	Determination of Tear Load Double Edge Tear	TS EN ISO 3377-2
Leather	Determination of Tear Load Single Edge Tear	TS EN ISO 3377-1
Rubber or Plastics Coated Fabrics	Determination of Abrasion Resistance (Using Martindale Abrasion Device)	TS EN ISO 5470-2 Method-2
Footwear-Sole and Sole Materials	Determination of Density	TS ISO 2781 Method A
Footwear	Determination of tensile strength and elongation in uppers, linings and insoles	ISO 17706
Footwear	Test Methods for Uppers, Linings and Insocks — Abrasion Resistance	ISO 17704 TS EN 13520
Textiles	Determination of Free and Hydrolyzed Formaldehyde (Water Extraction Method) (Using UV-VIS Spectrophotometer)	TS EN ISO 14184-1
Leather	Chemical Determination of Formaldehyde Content Method Using Colorimetric Analysis (Using UV-VIS Spectrophotometer)	TS EN ISO 17226-2
Leather	Chemical Determination of Chromium VI (Cr^{+6}) Content Colorimetric Method (Using UV-VIS Spectrophotometer)	TS EN ISO 17075-1
Plastics, Packaging Materials	Determination of Phthalate (Using GC-MS)	CPSC-CH-C1001-09.4

Accreditation Scope

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Footwear	Determination of Organotin Compounds in Footwear Materials (Using GC-MS) (Di-n-octyltin dichloride (DOT))	ISO/TS 16179
Leather	Chemical Determination of Chromium VI (Cr^{+6}) Content Chromotographic Method (Using HPLC-DAD)	ISO 17075-2
Leather	Chemical Tests for the Determination of Certain Azo Colourants in Dyed Leathers Determination of Certain Aromatic Amines Derived from Azo Colourants (Using GC-MS, HPLC-DAD)	TS EN ISO 17234-1 BS EN ISO 17234-1 DIN EN ISO 17234-1 ISO 17234-1
Textiles	Methods for Determination of Certain Aromatic Amines Derived from Azo Colorants Detection of the Use of Certain Azo Colorants Accessible without Extraction (Using GC-MS, HPLC-DAD)	TS EN ISO 14362-1 BS EN ISO 14362-1 EN ISO 14362-1 DIN EN ISO 14362-1 ISO 14362-1
Leather	Chemical Tests for the Determination of Certain Azo Colorants in Dyed Leathers Determination of 4-Aminoazobenzene (Using GC-MS, HPLC-DAD)	TS EN ISO 17234-2 BS EN ISO 17234-2 DIN EN ISO 17234-2 ISO 17234-2
Textiles	Methods for Determination of Certain Aromatic Amines Derived From Azo Colorants Detection of the Use of Certain Azo Colorants, which May Release 4-Aminoazobenzene (Using GC-MS, HPLC-DAD)	TS EN ISO 14362-3 BS EN ISO 14362-3 DIN EN ISO 14362-3 EN ISO 14362-3 ISO 14362-3
Leather	Chemical Determination of Formaldehyde Content (Using HPLC-DAD)	TS EN ISO 17226-1 BS EN ISO 17226-1 EN ISO 17226-1 ISO 17226-1
Textile, Leather, Footwear	Determination of Organotin Compounds (Using GC-MS) (Di-n-octyltin dichloride (DOT))	ISO/TS 16179
Footwear	Determination of Phthalates in Footwear Components (Using GC-MS) (Dibutyl phthalate (DBP), Benzyl butyl phthalate (BBP), Bis 2-ethyl(hexyl) phthalate (DEHP), Di-n-octyl phthalate (DNOP), Diisononyl phthalate (DINP), Diisodecyl phthalate (DIDP), Diisobutyl phthalate (DIBP))	ISO 16181-1
Rubber or Plastics-coated Fabrics	Determination of Tear Resistance Constant Rate of Tear Methods	TS EN ISO 4674-1 Method B
Leather	Colour Fastness to Water	TS EN ISO 11642
Metal, Plating, Plastic Products	Total Metal Determination of Lead (Pb), Cadmium (Cd), Tin (Sn), Nickel (Ni), Chromium (Cr), Bromine (Br), Mercury (Hg) (Using XRF Device)	IEC 62321-1 (2011/65 EC ROHS Directive) IEC 62321-3-1
Leather	Colour Fastness to Cycles of to-and-fro Rubbing	TS EN ISO 11640
Footwear	Determination of Dimethyl Fumarate (DMFu) in Footwear Components (Using GC-MS)	ISO 16186 BS EN 17130

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Test TS EN ISO/IEC 17025 AB-1890-T	USB CERTIFICATION TEST MUAYENE LABORATUVAR BELGELENDİRME HİZMETLERİ ANONİM ŞİRKETİ Accreditation Nr : AB-1890-T Revision Nr: 03 Date: 11.05.2026
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Footwear, Textile, Leather, Polymer	Determination of Polycyclic Aromatic Hydrocarbons (PAHs) in Footwear Materials (Using GC-MS) (Benzo[a]pyrene (BaP), Benzo[e]pyrene (BeP), Benzo[a]anthracene (BaA), Chrysene (CHR), Benzo[b]fluoranthene (BbFA), Benzo[j]fluoranthene (BjFA), Benzo[k]fluoranthene (BkFA), Dibenzo[a,h]anthracene (DBAhA))	ISO 16190 TS EN ISO 16190
Footwear - Upper and Lining	Water Vapor Permeability and Absorption	ISO 17699

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Personal Protective Equipments

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Personal Protective Equipment-Footwear	Determination of Upper/Outsole and Sole Interlayer Bond Strength	TS EN ISO 20344 Clause 5.2
Protective Gloves Against Mechanical Risks, Protective Gloves For Welders	Determination of Abrasion Resistance	TS EN 388+A1 Clause 6.1 EN 12477 Clause 5.1
Protective Gloves Against Mechanical Risks	Determination of Blade Cut Resistance	TS EN 388+A1 Clause 6.2
Protective Gloves Against Mechanical Risks	Determination of Cut Resistance	TS EN 388+A1 Clause 6.3 TS EN ISO 13997 TS EN ISO 13997:1999 (EN ISO 13997:2023 (It is cancelled on 05.07. 2023, but was included in the scope of accreditation for a temporary period upon the request of the laboratory)
Protective Gloves Against Mechanical Risks, Protective Gloves And Other Hand Protective Equipments Against Thermal Risks (Heat and/or Fire)	Determination of Tear Resistance	TS EN 388+A1 Clause 6.4 TS EN 407 Clause 6.8
Protective Gloves Against Mechanical Risks	Determination of Puncture Resistance	TS EN 388+A1 Clause 6.5
Protective Gloves Against Chemicals and Microorganisms	Air Leak Test	TS EN 374-2 Clause 7.2
Protective Gloves Against Chemicals and Microorganisms	Water Leak Test	TS EN 374-2 Clause 7.3
Protective Gloves	Measurement of glove lenght	TS EN ISO 21420 Clause 6.1
Protective Gloves	Determining Gloved Finger Dexterity	TS EN ISO 21420 Clause 6.2
Protective Gloves Against Chemicals and Microorganisms	Determination of Resistance to Degradation by Chemicals	TS EN ISO 374-4
Foot and Leg Protectors - Non- Metallic Perforation Resistant Inserts, Personal Protective Equipment-Footwear,	Determination of Perforation Resistance	ISO 22568-4 Clause 5.1 TS EN ISO 22568-4 Clause 5.1 TS EN ISO 20344 Clause 5.10 ISO 20344 Clause 5.10
Personal Protective Equipment-Footwear	Determination of Water Vapour Permeability (WVP)	TS EN ISO 20344 Clause 6.6 TS EN ISO 14268 ISO 20344 Clause 6.6
Personal Protective Equipment-Footwear	Dimensions of Perforation Resistant Inserts	TS EN ISO 20344 Clause 5.8 ISO 20344 Clause 5.8
Personal Protective Equipment-Footwear	Determination of the Perforation Resistance of Footwear with a Metallic Perforation Resistant Inserts	TS EN ISO 20344 Clause 5.9

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Protective Gloves	Determination of Water Vapor Permeability (For Leather Material)	TS EN ISO 21420 Clause 6.3 TS EN ISO 14268
Foot and Leg Protectors - Non Metallic Perforation Resistant Inserts	Test Methods for the Assessment Non-metallic Perforation Resistant Inserts in Critical Environment	TS EN ISO 22568-4 Clause 5.3
Protective Gloves	Determination of Water Vapour Absorbsion (for leather)	TS EN ISO 21420 Clause 6.4 ISO 20344 Clause 6.7
Personal Protective Equipment-Footwear	Determination of Impact Resistance	TS EN ISO 20344 Clause 5.4 ISO 20344 Clause 5.4 DIN EN ISO 20344 Clause 5.4 BS EN ISO 20344 Clause 5.4
Foot and Leg Protectors - Non Metallic Toecaps	Determination of Impact Resistance	ISO 22568-2 Clause 5.3
Foot and Leg Protectors - Metallic Toecaps	Determination of Impact Resistance	ISO 22568-1 Clause 5.3
Protective gloves and other hand protection equipment against thermal risks (heat and/or fire) - Protective clothing against heat and fire, Textiles	Contact Heat	TS EN 407 Clause 6.3 EN ISO 12127-1
Protective clothing against thermal risks (heat and/or fire) - Protective gloves and other hand protection equipment against thermal risks (heat and/or fire), Textiles	Radiant Heat	TS EN 407 Clause 6.5 EN ISO 6942 Method B

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Plastic and Rubber Products

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Phenolic, Amino and Condensation Resins	Determination of Free-Formaldehyde Content (Sulfide Procedure)	TS EN ISO 11402 ISO 11402

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