

 <p>TÜRKAK</p> <p>Test TS EN ISO/IEC 17025 AB-0095-T</p>	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>	
	Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024	
<b>Testing Laboratory</b>		
Address : ALI KUŞÇU MAH. YAVUZ SELİM CAD. HALIÇ ÇEVRE LABORATUVARI NO:50/1 FATİH İstanbul / Türkiye	Phone : +90 212 621 2340 Fax : - Email : info@haliccevre.com Website : https://haliccevre.com/	

Environmental Tests		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Stack Gas	Stationary Source Emissions-Determination of Mass Concentration of Particulate Matter (20-1000 mg/m <sup>3</sup> ) Gravimetric Method	TS ISO 9096
Stack Gas	Stationary Source Emissions-Determination of Low Range Mass Concentration of Dust ( 5-50 mg / m <sup>3</sup> ) Gravimetric Method	TS EN 13284-1
Stack Gas	Stationary Source Emissions-Determination of Particulate Matter Emissions From Stationary Sources Gravimetric Method	EPA Method 17
Stack Gas	Stationary Source Emissions- Determination of Particulate Matter Emissions from Stationary Sources Gravimetric Method	EPA Method 5
Stack Gas	Stationary Source Emissions-Determination of Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ) Vapor, Sulfur Trioxide (SO <sub>3</sub> ), Sulfur Dioxide (SO <sub>2</sub> ) Titrimetric Method (Barium-Thorin)	EPA Method 8
Stack Gas	Stationary Source Emissions-Determination of the Mass Concentration of Sulfurdioxide (SO <sub>2</sub> ) Measurement: Electrochemical Cell Method Measurement: Infrared Absorption Method	TS ISO 7935 *
Stack Gas	Stationary Source Emissions-Determination of Oxygen (O <sub>2</sub> ) Mass Concentrations Measurement: Electrochemical Cell Method Measurement: Paramagnetic O <sub>2</sub> Method Measurement: Zirconium Oxide Method	TS ISO 12039 *
Stack Gas	Stationary Source Emissions-Determination of Mass Concentration of Carbon Monoxide (CO) and Carbon Dioxide (CO <sub>2</sub> ) Measurement: Electrochemical Cell Method Measurement: Infrared Absorption Method Measurement: Calculation Method	TS ISO 12039 *
Stack Gas	Stationary Source Emissions-Determination of Nitrogen Monoxide (NO), Nitrogen Dioxide (N <sub>2</sub> ) and Nitrogen Oxide (NO <sub>x</sub> ) Emissions Electrochemical Cell Method	EPA CTM 022 *
Stack Gas	Stationary Source Emissions-Test Method for Smoke Density in Flue Gases from Burning Distillate Fuels Bacharach Method	TS 9503 *
Stack Gas	Stationary Source Emissions-Measurement of Velocity and Volume Flowrate of Gas Streams in Ducts Measurement: S Type Pitot Tube	TS ISO 10780 *
Stack Gas	Stationary Source Emissions-Determination of Moisture Content in Stack Gases Measurement: Gravimetric Method	EPA Method 4
Stack Gas	Stationary Source Emissions - Age-Dry Thermometer Method with Moisture Content Determination (≤100 °C for Stack Temperature )	In-House Method (TA.35 Rev.03)*
Stack Gas	Stationary Source Emissions-Determination of Moisture Content with Moisture Meter Probe (≤180 °C for Stack Temperature )	In-House Method (TA.34 Rev.07)*


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Stack Gas	Stationary source emissions- Determination of the mass concentration of individual gaseous organic compounds  Acetic acid, Methanol, 1,2-Dichloroethane, 1,4-Dioxane, Pyridine  Sampling: Sampling Tube (Activated Carbon) Pretreatment: Solvent Desorption Method Measurement: GC-FID Method	TSE CEN/TS 13649
Stack Gas	Stationary source emissions- Determination of the mass concentration of individual gaseous organic compounds  1,1,1,2-tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethane, 1,1-dichloropropene, 1,2,3-Trichloropropane, 1, 2,3-Trimethylbenzene, 1,2,3-trichlorobenzene, 1,2-dibromoethane, 1,2-Dichlorobenzene, 1,1-Dichloroethane, cis-1,2-Dichloroethane, 1,2-dichloropropane, 1,3,5-Trimethylbenzene, 1,3-dichlorobenzene, 1,3-dichloropropane, 1,4-Dichlorobenzene, 1-Methoxy-2-propanol, 2,2-dichloropropane, 2,6-Dimethyl-4-heptanone, 4-chlorotoluene, 2-Hexanone, 2-Methyl-1-propanol, 3-Heptanone, 2-chlorotoluene, 4-isopropyltoluene, Acetic acid n-propyl ester, Acetic acid-isobutyl ester, Acrylic acid-ethyl ester, alpha-Methylstyrene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromomethane, Chlorobenzene, Chloromethane, 1,2-Dichloroethane (Cis-/Trans), Cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Epichlorohydrin, Hexachlorobutadiene, Hexachloroethane, Iso propylbenzene, Methyl Acetate, Naphthalene, n-Butylbenzene, Sec-Butylbenzene, Tert-Butylbenzene, Tetrachloroethene, Tetrachloromethane, Trans-1,3-Dichloropropene, Tribromomethane, Trichlorofluoromethane, Vinylchloride, 2-Pentanone, 2,3-Dimethylheptane, 2,3-Dimethylpentane, 1,3-Butadiene, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, Vinyl Acetate, Aniline, Ter- Butylmethyl ether, Octane, Acetyl Acetone, 2-Heptanone, Butyl Glycol, Phenol  Sampling: Sampling Tube (Activated Carbon) Pretreatment: Solvent Desorption Method Measurement: GC-MS Method	TSE CEN/TS 13649
Stack Gas	Stationary source emissions - Determination of the mass concentration of individual gaseous organic compounds  1,2-Trichloroethane, 1,2,4-Trimethylbenzene, 1,2-Dichloroethane, 1-Butanol, 1-Propanol, 2-Butanone, 2-Propanol, 4-Methyl-2-Pentanone, 5-Methyl-3-Heptanone, Acetone, Acetonitrile, Benzene, Chloroform, Cyclohexanone, Dichloromethane, Diethylether, Ethanol, Ethyl Acetate, Ethylbenzene, n-Hexane, Isopropylacetate, Methylcyclohexane, Mp-Xylene, n-Butyl Acetate, n-Penene Xylene, Cyclohexane, Styrene, Tetrahydrofuran, Toluene, Trichloroethylene, Chlorobenzene, n-Heptane, 2-Methoxyethanol  Sampling: Sampling Tube (Activated Carbon) Pretreatment: Solvent Desorption Method Measurement: GC-FID /GC-MS Method	TSE CEN/TS 13649
Stack Gas	Stationary Source Emissions-for Determination of Total Fluoride (F) Emissions Spectrophotometric (SPADNS-Zirconium) Method	EPA Method 13 A
Stack Gas	Stationary Source Emissions-Determination of Mass Concentration of Gaseous Chlorides expressed as HCl Measurement: Spectrophotometric Method Measurement: Ion Chromatography Method	TS EN 1911
Stack Gas	Stationary Source Emissions-Ammonia Determination Ion Selective Electrode Method	SCAQMD Method 207.1
Stack Gas	Stationary Source Emissions-Determination of Formaldehyde Emissions From Natural Gas-Fired, Stationary Combustion Sources Spectrophotometric Method	EPA Method 323
Stack Gas	Stationary Source Emissions-Determination of Formaldehyde Emissions in the Mineral Wool and Wool Fiberglass Industries Spectrophotometric (Pararosaniline) Method	EPA Method 316
Stack Gas	Determination Of Heavy Metals Emissions From Stationary Sources  Antimony (Sb), Arsenic (As), Barium (Ba), Beryllium (Be), Cadmium (Cd), Chrome (Cr), Cobalt (Co), Copper (Cu), Lead (Pb), Manganese (Mn), Mercury (Hg), Nickel (Ni), Phosphorus (P), Selenium (Se), Silver (Ag), Thallium (Tl), Zinc (Zn)  Preparation: Extracting Measurement: AAS Method	EPA Method 29
Stack Gas	Stationary Source Emissions-Determination of Hydrogen Cyanide (HCN) Spectrophotometric Method	CARB 426
Stack Gas	Stationary Source Emissions- Determination of Hydrogen Sulfide (H <sub>2</sub> S) Content of Fuel Gas Streams in Petroleum Refineries Titrimetric Method	EPA Method 11
Stack Gas	Stationary Source Emissions- Determination of Nitrogen Monoxide (NO), Nitrogen Dioxide (NO <sub>2</sub> ) and Nitrogen Oxide (NO <sub>x</sub> ) Determination Spectrophotometric (Alkaline Permanganate/Colorimetric) Method	EPA Method 7C
Stack Gas	Stack Emissions-Determination of Nitrogen Monoxide (NO), Nitrogen Dioxide (NO <sub>2</sub> ) and Nitrogen Oxide (NO <sub>x</sub> ) IC Method (Alkaline Permanganate/Colorimetric)	EPA Method 7D


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Stack Gas	Stationary Source Emissions-Bacar Gas in low concentrations of the gas in low concentrations, the determination of the mass concentration of the total organic carbon FID analyzer	TS EN 12619 *
Stack Gas	Stationary Source Emissions- Determination of Total Organic Gas (TOG) Concentration FID Analyzer	EPA Method 25 A *
Stack Gas	Stationary Source Emissions - Determination Of Heavy Metal  Vanadium (V) Emissions  Preparation: Extracting Measurement: AAS Method	TS EN 14385
Stack Gas	Stationary Source Emissions-Determination of Phosphoric Acid Vapor Spectrophotometric Method	NMX-AA-90-1986
Stack Gas	Stationary Source Emissions-Determination of Chromium VI (Cr <sup>6+</sup> ) Spectrophotometric Method	CARB 425
Stack Gases	Determination of Methane Gas (CH <sub>4</sub> ) Emissions From Stationary Sources Measurement: Electrochemical Cell Method	In-House Method-"TA.307.Rev.00"
Stack Gas	Stationary source emissions - Sampling PCDDs/PCDFs and Dioxins PCBs Compounds Chart 1:Sampling	TS EN 1948-1
Stack Gas	Stationary source emissions - Sampling Gas and Polycyclic Aromatic Hydrocarbons (PAH) Compounds on the form of particule.	ISO 11338-1
Stack Gas	Stationary source emissions- Determination of Polycyclic in Gas and Particulate Phases Analysis of Mass Concentration of Aromatic Hydrocarbons (PAH)  Naphthalene, Asenaphthylene, Asenaften, Florence Phenanthrene, Anthracene, Pyrene, Florentine, Benzo(a) anthracene, Krisen, Benzo(a) pyrene, Benzo(k) fluoranthene, Benzo(b) fluoranthene, Indeno (1,2,3-c, d) pyrene, Dibenzo (a, h) anthracene, Benzo (g, h, i) perylene, Benzo(e)pyrene, Perylene  Pre-Treatment: Extraction and Cleaning Measurement: GC-MS Method	ISO 11338-2
Stack Gas	Stationary Source Emissions-Sampling Train of Semi-Volatile Organic Compounds Sampling: Sample to XAD-2	EPA 0010
Stack Gas	Stationary source emissions- Determination of Semi-Volatile Organic Compounds (sVOC)  1,2- Dichlorobenzene, 1,4- Dichlorobenzene, 1,2,4-trichlorobenzene, Phenol, Hexachloroethane, Hexachlorobutadiene, Naphthalene  Sampling: Sampling to XAD-2 Pre-Treatment: Extraction and Cleaning Measurement: GC-MS Method	EPA Method 3542 A EPA Method 8270 E
Stack Gas	Determination of Calcium Oxide (CaO) and Magnesium Oxide (MgO)	In-House Method -"Ta.354 Rev.00" (Epa 29:2017)
Stack Gas	Stack Emissions-Determination of Stack Gas Velocity and Volumetric Flow Rate S Type Pitot Tube	EPA Method 2 *
Stack Gas	Stationary Source Emissions-for Determination of Hydrogen Halide and Halogen (HCl, HF, HBr, Cl <sub>2</sub> , Br <sub>2</sub> ) Emissions Sampling: Isokinetic Method Measurement: IC Method	EPA Method 26A
Imission (Ambient Air)	Determination of Particulate Matter as PM10 in the Atmosphere  Gravimetric Method	EPA 40 CFR 50 Appj
Imission (Ambient Air)	Determination of PM2,5 mass concentrations of suspended particulate matter in ambient air Gravimetric Method	EPA 40 CFR 50 Appl



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Imission (Ambient Air)	Determination of Heavy Metals in PM 10 (As, Cd, Ni, Pb)  Measurement: GF- AAS Method	TS EN 14902 TS EN 14902/AC
Imission (Ambient Air)	Determination of the PM10 or PM2,5 Mass Concentration of Suspended Particulate Matter Gravimetric Method	TS EN 12341
Imission (Ambient Air)	Determination of Heavy Metals in PM 10  (Al, As,Ba, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Sn, Tl, V, Zn)  GF-AAS Method	VDI 2267 Chapter 1
Imission (Ambient Air)	Determination of Heavy Metals in Precipitated Dust  Al, As, Ba, Cd, Co, Cr, Cu, Mn, Ni, Pb, Se, Sn, V, Sb, Tl ve Zn  GF- AAS Metodu	VDI 2267 Chapter 2
Imission (Ambient Air)	Determination of Cd, Co, Cr, Cu, Ni, Pb, Sb, V and Zn in precipitated dust  Atomic Absorption Method	VDI 2267 Chapter 16
Imission(Ambient Air)	Determination of Settled Particulate Matter Gravimetric Method	TS 2341
Imission (Ambient Air)	Determination of (gas and particle-phase)polycyclic aromatic hydrocarbons (PAH) Naphthalene, Asenaphthylene, Asenaften, Florence, Phenanthrene, Anthracene, Pyrene, Florentine, Benzo(a) anthracene, Krisen, Benzo(a) pyrene, Benzo(k) fluoranthene, Benzo(b) fluoranthene, Indeno (1,2,3-c, d) pyrene, Dibenzo (a, h) anthracene, Benzo (g, h, i) perylene, Benzo(e)pyrene, Perylene Measurement: GC-MS Method	TS ISO 12884 (Except Clause 10)
Imission(Ambient Air)	Sampling Atmospheres to Collect Organic Compound Vapors Sampling: Activated Carbon Tube	ASTM D3686
Imission(Ambient Air)	Determination of volatile organic compounds Sampling on active carbon by the pump  Ethanol, n-Pentane, 2-Propanol, Acetone, Dichloro methane, Methanol, Vinyl acetate, n-Hexane, Butanone, Chloroform, Dichloro ethane, Butanol, Benzene, Trichlorethylene, n-Heptane, Pridine, Toluene, n-Octane, n-Butyl acetate, Monochloro benzene, Ethyl benzene, m-Xylene, p-Xylene, o-Xylene, Styrene, Phenol, Aniline, Butyl glycol, Isopropylacetate, Acetonitrile, Diethyl ether, Acetic acid, Diethylamine, 1-Propanol, Tertbutylmethylether, Ethylacetate, 2-Methoxyethanol, Tetrahydrofuran, Cyclohexane, 1-Methoxy-2-propanol, Triethylamine, 1,4-Dioxane, Methylcyclohexane, Isobutylmethylketon, Acetylacetone, 1,1,2-Trichloroethane, 1,2,4-Trichlorobenzene, 2-Heptanone, Cyclohexanone, 5-Methyl-3-heptanone, Propylbenzene, 1,2,4-Trimethylbenzene  (GC / FID)	ASTM D3687
Imission (Ambient Air)	Determination of NO <sub>2</sub> Concentration  Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points Analysis: IC Method Analysis:Spectrophotometer	TS EN 13528 1,2,3 In-House Method "TA.338.Rev.03"
Imission (Ambient Air)	Determination of HCl Concentrations  Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points Analysis: IC Method	TS EN 13528 1,2,3 In-House Method "TA.392.Rev.00"
Imission (Ambient Air)	Determination of HF Concentrations  Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points Analysis: IC Method	TS EN 13528 1,2,3 In-House Method "TA.393.Rev.00"
Imission (Ambient Air)	Determination of SO <sub>2</sub> Concentrations  Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points Analysis: IC Method	TS EN 13528 1,2,3 In-House Method "TA.394.Rev.00"
Imission (Ambient Air)	Determination of NH <sub>3</sub> Concentrations Sampling: Selection of Diffusion Devices, Conveying and Uncertainty Components Device Selection and Selection of Sampling Points  Measurement: Spectrophotometer Method	TS EN 13528 1,2,3 In-House Method "TA.395.Rev.00"

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Imission (Ambient Air)	<p>Determination of O<sub>3</sub> Concentrations</p> <p>Sampling: Selection of Diffusion Devices, Conveying and Uncertainty Components Device Selection and Selection of Sampling Points</p> <p>Measurement: Spectrophotometer Method</p>	TS EN 13528 1,2,3 In-House Method "TA.396.Rev.00"
Imission (Ambient Air)	<p>Sampling and Determination of BTEX Concentration((Benzene, Toluene, Ethylbenzene, Xylene (m, p, o)</p> <p>Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points</p> <p>Analaysis:GC-FID Method</p>	In-House Method- "TA.344.Rev.01" (TS EN 13528 1,2,3)
Imission(Ambient Air)	<p>Sampling And Determination Of Volatile Organic Compounds Concentration</p> <p>Asetik asit, Metanol, Pridin,1,4-Dioksan</p> <p>Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points</p> <p>Analaysis: GC-FID Method</p>	In-House Method- "TA.344.Rev.01" (TS EN 13528 1,2,3)
Imission(Ambient Air)	<p>Determination of Volatile Organic Compounds (VOC)</p> <p>1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1, 2,3-Trimethylbenzene, 1,2,3-Trichlorobenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,1-Dichloroethane, Cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,3, 5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2,6-Dimethyl-4-Heptanone, 4-Chlorotoluene, 2-Hexanone, 2-Methyl-1-Propanol, 3-Heptanone, 2-Chlorotoluene, 4-Isopropyltoluene, Acetic acid n-propyl ester, Acetic acid-isobutyl ester, Acrylic acid-ethyl ester, Alpha-Methylstyrene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromomethane, Chloromethane, 1, 2-Dichloroethane (Cis-/Trans), Cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Epichlorohydrin, Hexachloroethane, Isopropylbenzene, Methyl Acetate, Naphthalene, n-Butylbenzene, Sec-Butyl-Butylbenzene, Terechlorobenzene , Tetrachloromethane, Trans-1,3-Dichloropropene, Tribromomethane, Trichlorofluoromethane, Vinylchloride, 2-Pentanone, He Xachlorobutadiene, Acetylacetone, 2-Heptanone, Butylglycol, Aniline, Phenol, Vinylacetate, 1,2,4 Trichlorobenzene, 1,2-dibromo-3-chloropropane, Olefins (2,3-Dimethylheptane, 2,3-Dimethylpentane, 1, 3-Butadiene)</p> <p>Sampling:Selection of Diffusion Devices,Transport and Uncertainty Components Selection</p> <p>Measurement: GC-MS Method</p>	In-House Method- "TA.344.Rev.01" (TS EN 13528 1,2,3)
Imission(Ambient Air)	<p>Determination of Volatile Organic Compounds (VOC)</p> <p>1,1,2-Trichloroethane, 1,2,4-Trimethylbenzene, 1-Butanol, 1-Propanol, 2-Butanone, 2-Propanol, 4-Methyl-2-Pentanone, 5-Methyl-3-Heptanone, Acetone, Acetonitrile, Benzene, Chloroform, Cyclohexanone, Dichloromethane, Diethylether, Ethanol, Ethyl Acetate, Ethylbenzene, n-Hexane, isopropylacetate, methylcyclohexane, mp-xylene, n-Butyl acetate, n-Pentane, propylbenzene, o-xylene, o-xylene Toluene, Chlorobenzene, 1-Methoxy-2-Propanol, 1,2-Dichloroethane, Trichloroethylene, 2-Methoxyethanol, Olefins (Tertbutylmethylether, Cyclohexane, Octane, n-Heptane)</p> <p>Sampling:Selection of Diffusion Devices,Transport and Uncertainty Components Selection</p> <p>Measurement: GC-MS/GC-FID Method</p>	In-House Method- "TA.344.Rev.01" (TS EN 13528 1,2,3)
Imission (Ambient Air)	<p>Sampling and Determination of H<sub>2</sub>S Concentration</p> <p>Sampling:Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points</p> <p>Spectrophotometer</p>	In-House Method- "TA.342 Rev.00" (TS EN 13528 1,2,3)
Imission (Ambient Air)	<p>Determination of Mercaptan Content in Atmosphere</p> <p>Spectrophotometric Method</p>	TS 9628
Imission(Ambient Air)	<p>Sampling and Selection of Diffusion Devices, Transport and Uncertainty Components Selection of Device and Sampling Points</p> <p>(NOX, Formaldehyde, HCl,HF, NH<sub>3</sub>,NHX, O<sub>3</sub>, SO<sub>2</sub>)</p>	<ul style="list-style-type: none"> <li>• TS EN 13528-1</li> <li>• TS EN 13528-2</li> <li>• TS EN 13528-3</li> </ul>
Acoustic-Noise	<p>Description, measurement and assessment of environmental noise-Part 1: Basic quantities and assessment procedures</p>	TS ISO 1996-1
Acoustic-Noise	<p>Description, measurement and assessment of environmental noise-Part 2: Determination of sound pressure levels</p>	TS ISO 1996-2
Acoustic-Noise	<p>Safety of industrial trucks - Test methods for measuring noise emissions (L<sub>PA</sub>, L<sub>WA</sub>)</p>	TS EN 12053+A1
Acoustic-Noise	<p>Determination of sound power levels (ΔL<sub>S</sub>, ΔL<sub>F</sub>, ΔL<sub>M</sub>, ΔL<sub>G</sub>, L<sub>PA</sub>, L<sub>W</sub>) of multisource industrial plants for evaluation of sound pressure levels in the environment</p>	TS ISO 8297
Acoustic-Noise	<p>Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane</p>	TS EN ISO 3744


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Acoustic-Noise	Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane	TS EN ISO 3746
Acoustic-Noise	Attenuation of sound during propagation outdoors - Part 2: General method of calculation	TS ISO 9613-2
Acoustic-Noise	Framework for calculating a distribution of sound exposure levels for impulsive sound events for the purposes of environmental noise assessment	ISO 13474
Vibration	Air Blast and Ground Vibration Measuring in Mining (a, v)	TS 10354
Vibration	Measurement and evaluation of machine vibration - Part 5: Machine sets in hydraulic power generating and pump-storage plants	ISO 20816-5
Vibration	Measurement of vibrations and evaluation of their effects on buildings (tr, a, V)	TS ISO 4866
Water	Sampling of Rivers and Streams	TS EN ISO 5667-6
Water	Sampling of Lakes,Natural and Man-Made	TS ISO 5667-4
Water	Sampling of Groundwaters	TS ISO 5667-11
Water	Sampling on Wet Deposition	TS ISO 5667-8
Water	Sampling for Microbiological Analysis	TS EN ISO 19458
Water	Sampling of Drinking Water from Treatment Works and Piped Distribution Systems	TS ISO 5667-5
Water	Determination of pH Electrometric Method	SM 4500 H <sup>+</sup> B
Water	Determination of Temperature Laboratory and Field Method	SM 2550 B
Water	Determination of Conductivity Laboratory Method	SM 2510 B
Water	Determination of Turbidity Nephelometric Method	SM 2130 B
Water	Determination of Light Transmittance/Secchi Disc Depth Measurement: Disk Method	EPA 841-B-97-003
Water	Determination of Salinity Electrical Conductivity Method	SM 2520 B

## Accreditation Scope


 <p>Test TS EN ISO/IEC 17025 AB-0095-T</p>	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>	
	Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024	
<b>Testing Laboratory</b>		
<b>Address :</b> ALI KUŞÇU MAH. YAVUZ SELİM CAD. HALIÇ ÇEVRE LABORATUVARI NO:50/1 FATİH İstanbul / Türkiye		Phone : +90 212 621 2340 Fax : - Email : info@haliccevre.com Website : https://haliccevre.com/
Water	Determination of Dissolved Oxygen  Membrane Electrode Method	SM 4500-O G
Water	Determination of Mercury (Hg)  Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Cold Vapor Atomic Absorption Method	SM 3112 B SM 3030 E SM 3030 K
Water	Determination of Dissolved Oxygen Luminescent Sensor Method	ASTM D888 Method C
Water	Determination of Silver(Ag), Gold (Au), Calcium (Ca), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Iron (Fe), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Lead (Pb), Antimony (Sb), Tin (Sn), Thallium (Tl), Zinc (Zn), Sodium (Na), Potassium (K)  Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Direct Air-Acetylene Flame method	SM 3030 E SM 3030 K SM 3111 B
Water	Determination of Silver (Ag), Aluminum (Al), Arsenic (As), Barium (Ba), Beryllium (Be), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Iron (Fe), Manganese (Mn), Molybdenum (Mo), Nickel (Ni), Lead (Pb), Selenium (Se), Antimony (Sb), Tin (Sn)  Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Graphite Furnace Spectrometer Method	SM 3030 E SM 3030 K SM 3113 B
Water	Determination of Aluminum (Al), Barium (Ba), Beryllium (Be), Calcium (Ca), Molybdenum (Mo)  Pre-Treatment: Extraction with Nitric Acid Pretreatment: Microwave Assisted Extraction Method Measurement: AAS-Direct Nitrous Oxide Acetylene Flame Method	SM 3030 E SM 3030 K SM 3111 D
Water	Determination of Suspended Solids (SS)  Gravimetric Method	SM 2540 D
Water	Determination of Total Solids  Gravimetric Method	SM 2540 B
Water	Determination of Settleable Solids  Volumetric Method	SM 2540 F
Water	Determination of Fixed and Volatile Solids Gravimetric Method	SM 2540 E
Water	Determination of Total Dissolved Solids (TDS)  Gravimetric Method	SM 2540 C
Water	Determination of Chemical Oxygen Demand (COD)  Open Reflux-Titrimetric Method	SM 5220 B
Water	Determination of Chemical Oxygen Demand (COD)  Open Reflux-Titrimetric Method	TS 2789
Water	Determination of Biochemical Oxygen Demand (BOD)  5-Day BOD Test	SM 5210 B

## Accreditation Scope



 <p>Test TS EN ISO/IEC 17025 AB-0095-T</p>	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>	
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Water	Determination of Total Kjeldahl Nitrogen  Macro Kjeldahl Method	SM 4500-N <sub>org</sub> B
Water	Determination of Ammonium/Ammonium Nitrogen  Pretreatment: Distillation Method  Analysis: Spectrophotometric Method	SM 4500-NH <sub>3</sub> B SM 4500-NH <sub>3</sub> F
Water	Determination of Ammonium/Ammonium Nitrogen  Pretreatment: Distillation Method  Analysis: Titimetric Method	SM 4500-NH <sub>3</sub> B SM 4500-NH <sub>3</sub> C
Water	Determination of Alkalinity  Titrimetric Method	SM 2320 B
Water	Determination of Free / Total Carbon Dioxide Calculation Method	SM 4500 CO <sub>2</sub> D SM 4500 CO <sub>2</sub> D
Water	Determination of Fluoride  Pretreatment: Distillation Method  Analysis: SPADNS Method	SM 4500-F B SM 4500-F D
Water	Determination of Chloride  Titrimetric Method	SM 4500-Cl <sup>-</sup> B
Water	Determination of Chloride  Titrimetric Method	SM 4500-Cl <sup>-</sup> C
Water	Sulphate Determination  Gravimetric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> C
Water	Sulphate Determination  Gravimetric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> D
Water	Sulphate Determination  Spectrophotometric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> E
total alkalinity	Determination of Bromide, Fluoride, Chloride, Nitrate / Nitrate Nitrogen, Nitrite / Nitrite Nitrogen, Orthophosphate, Phosphate / Phosphate Phosphorus, Sulphate  Ion Chromatography (IC)	TS EN ISO 10304-1
Water	Determination of Fluoride, Chloride, Bromide, Nitrite / Nitrite Nitrogen, Nitrate / Nitrate Nitrogen, Orthophosphate, Phosphate / Phosphate Phosphorus, Sulphate Ion Chromatography (IC)	SM 4110 B
Water	Determination of Color  Spectrophotometric Method	SM 2120 C





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Water	Determination of Color  Spectrophotometric Method	TS EN ISO 7887 B
Water	Nitrate/Nitrate Nitrogen Determination Spectrophotometric Method	SM 4500-NO <sub>3</sub> B
Water	Determination of Nitrate/Nitrate Nitrogen  Spectrophotometric Method	SM 4500-NO <sub>3</sub> <sup>-</sup> E
Water	Determination of Total Cyanide  Pretreatment: Distillation Method  Analysis: Spectrophotometric Method	SM 4500-CN C SM 4500-CN E
Water	Determination of Free Cyanide  Spectrophotometric Method	SM 4500-CN E
Water	Determination of Cyanide Soluble in Weak Acid Pretreatment: Distillation Method Analysis: Spectrophotometric Method	SM 4500 CN C SM 4500 CN E SM 4500 CN I
Water	Determination of Chromium (VI)  Spectrophotometric Method	SM 3500-Cr B
Water	Determination of Nitrite/Nitrite Nitrogen  Spectrophotometric Method	SM 4500-NO <sub>2</sub> <sup>-</sup> B
Water	Determination of Sulphide  Titrimetric Method	SM 4500 SO <sub>3</sub> <sup>2-</sup> B
Water	Determination of Sulphide  Spectrophotometric Method	SM 4500 S032- C
Water	Determination of Oil and Grease  Pretreatment: Sokslet Extraction Method  Analysis: Gravimetric Method	SM 5520 D
Water	Determination of Bound Chlorine  Spectrophotometric Method	SM 4500-Cl G
Water	Determination of Total Chlorine  Spectrophotometric Method	SM 4500-Cl G
Water	Determination of Free Chlorine  Spectrophotometric Method	SM 4500-Cl G


## Accreditation Scope

 <b>TÜRKAK</b>  <small>Test</small> <small>TS EN ISO/IEC 17025</small> <small>AB-0095-T</small>	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>	
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Water	Determination of Free Chlorine  Spectrophotometric Method	TS EN ISO 7393-2
Water	Determination of Total Chlorine  Spectrophotometric Method	TS EN ISO 7393-2
Water	Determination of Bound Chlorine  Spectrophotometric Method	TS EN ISO 7393-2
Water	Determination of Phenol  Pretreatment: Distillation Method  Analysis: Spectrophotometric Method	SM 5530 B SM 5530 D
Water	Determination of Sulphide  Spectrophotometric Method	SM 4500-S <sup>2-</sup> - D
Water	Determination of Sulphide  Titrimetric Method	SM 4500-S <sup>2-</sup> - F
Water	Determination of Total Phosphorus  Pretreatment: Extraction Method  Analysis: Spectrophotometric Method	SM 4500-P B SM 4500-P D
Water	Determination of Phosphate/Phosphate Phosphorus  Spectrophotometric Method	SM 4500-P D
Water	Determination of Hydrazine  Spectrophotometric Method	ASTM D1385-07
Water	Determination of Hydrocarbons  Pretreatment: Sokslet Extraction Method  Analysis: Gravimetric Method	SM 5520 D and F
Water	Determination of Vanadium (V)  Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Graphite Furnace Spectrometer Method	SM 3030 E SM 3030 K ASTM D3373
Water	Determination of Hardness  EDTA Titrimetric Method	SM 2340 C
Water	Determination of Calcium (Ca)  EDTA Titrimetric Method	SM 3500-Ca B



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 <b>TÜRKAK</b>  <small>Test</small> <small>TS EN ISO/IEC 17025</small> <small>AB-0095-T</small>	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>  <small>Accreditation Nr: AB-0095-T</small> <small>Revision Nr: 24 Date: 14.10.2024</small>	
	<b>Testing Laboratory</b>	
	<b>Address :</b> ALI KUŞÇU MAH. YAVUZ SELİM CAD. HALIÇ ÇEVRE LABORATUVARI NO:50/1 FATİH İstanbul / Türkiye	Phone : +90 212 621 2340 Fax : - Email : info@haliccevre.com Website : https://haliccevre.com/
Water	Determination of Magnesium (Mg) Calculation Method	SM 3500-Mg B
Water	Determination of Permanganate Index  Titrimetric Method	TS 6288 EN ISO 8467
Water	Determination of Polyaromatic Hydrocarbons (PAH) Naphthalene, Asenaphthylene, Asenaften, Florence, Phenanthrene, Anthracene, Pyrene, Florentine, Benzo(a) anthracene, Krisen, Benzo(a) pyrene, Benzo(k) fluoranthene, Benzo(b) fluoranthene, Inden (1,2,3-c, d) pyrene, Dibenzo (a, h) anthracene, Benzo (g, h, i) perylene, Benzo(e)pyrene, Perylene  Pre-Treatment: Liquid-Liquid Extraction Measurement:GC-MS Method	EPA 8270 E EPA 3510 C EPA 3630 C
Water	Determination of Surfactant (MBAS)  Pretreatment: Seperation with Sublation Apparatus  Analysis: Spectrophotometric Method	SM 5540 B SM 5540 C
Water	Determination of Boron (B) Spectrophotometric Method	SM 4500 B C
Water	Determination of Chlorophyll-a  Spectrophotometric Method	SM 10200 H
Water	Determination of Chlorophyll-a  Spectrophotometric Method	TS 9092 ISO 10260
Water	Determination of Acidity  Titrimetric Method	SM 2310 B
Water	Determination of Silica (SiO <sub>2</sub> ) spectrophotometric Method	SM 4500 SiO <sub>2</sub> C
Water	Determination of Oil and Grease  Pre-treatment: Solvent Extraction Method  Measurement: Gravimetric Method	TS 7887
Water	Measurement of Flow Rate Flow Rate Measurement Method	EPA 841-B-97-003
Waste Water	Sampling techniques	TS ISO 5667-10
Waste Water	Determination of warmth  Laboratory and Field Method	SM 2550 B
Waste Water	pH Determination  Electrometric Method	SM 4500 H <sup>+</sup> B
Waste Water	Conductance  Laboratory Method	SM 2510 B


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 Test TS EN ISO/IEC 17025 AB-0095-T	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>	
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Waste Water	Salinity Electrical Conductivity Method	SM 2520 B
Waste Water	Blur Determination  Nephelometric Method	SM 2130 B
Waste water	Determination of Light Transmittance/Secchi Disc Depth Measurement: Disc Method	EPA 841-B-97-003
Waste Water	Determination of dissolved oxygen  Membrane Electrode Method	SM 4500-O G
Waste Water	dissolved oxygen Determination luminescent sensor Method	ASTM D888 Method C
Waste Water	Mercury(Hg) Determination  Pre-treatment: Cold evaporation  Measurement: AAS Method	SM 3030 E SM 3030 K SM 3112 B
Waste Water	Determination of Silver(Ag), Gold (Au), Calcium (Ca), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Iron (Fe), Magnesium (Mg), Manganese (Mn), Nickel (Ni), Lead (Pb), Antimony (Sb), Tin (Sn), Thallium (Tl), Zinc (Zn), Sodium (Na), Potassium (K)  Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Direct Air-Acetylene Flame method	SM 3030 E SM 3030 K SM 3111 B
Waste Water	Determination of Silver (Ag), Aluminum (Al), Arsenic (As), Barium (Ba), Beryllium (Be), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Iron (Fe), Manganese (Mn), Molybdenum (Mo), Nickel (Ni), Lead (Pb), Selenium (Se), Antimony (Sb), Tin (Sn)  Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Graphite Furnace Spectrometer Method	SM 3030 E SM 3030 K SM 3113 B
Waste Water	Determination of Aluminum (Al), Barium (Ba), Beryllium (Be), Calcium (Ca), Molybdenum (Mo)  Pre-Treatment: Extraction with Nitric Acid Pretreatment: Microwave Assisted Extraction Method Measurement: AAS-Direct Nitrous Oxide Acetylene Flame Method	SM 3111 D SM 3030 K SM 3030 E
Waste Water	Solid(AKM) Determination  Gravimetric Method	SM 2540 D
Waste Water	Determination of Total solids  Gravimetric Method	SM 2540 B
Waste Water	Total Dissolved Substance(TDS) Determination  Gravimetric Method	SM 2540 C
Waste Water	Collapsible Solid Article(CSA) Determination  Volumetric Method	SM 2540 F
Waste Water	Needs of chemical oxygen(KOI) Determination  Open Reflaks-Titrimetric Method	TS 2789



## Accreditation Scope

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Waste Water	Hard and volatile solid Determination Gravimetric Method	SM 2540 E
Waste Water	Needs of chemical oxygen(KOİ) Determination Open Reflaks-Titrimetric Method	SM 5220 B
Waste Water	Total Kjeldahl Nitroot(TKN) Determination Macro Kjeldahl Method	SM 4500-N <sub>org</sub> B
Waste Water	Biological Oxygen Need(BOİ) Determination 5-day BOİ test	SM 5210 B
Waste Water	Ammonium / Ammonium Nitrogen Determination Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-NH <sub>3</sub> B SM 4500-NH <sub>3</sub> F
Waste Water	Ammonium / Ammonium Nitrogen Determination Pre-treatment: Distillation Method Measurement:Titrimetric Method	SM 4500-NH <sub>3</sub> B SM 4500-NH <sub>3</sub> C
Waste Water	Determination of Alkalinity Titrimetric Method	SM 2320 B
Waste Water	Determination of Alkalinity and Carbon Dioxide (CO <sub>2</sub> ) by Carbon Dioxide and Its Forms Titrimetric Method	SM 4500-CO <sub>2</sub> D
Waste Water	Fluoride Determination Pre-treatment: Distillation Method Measurement: SPADNS Method	SM 4500-F B SM 4500-F D
Waste Water	Chloride Determination Titrimetric Method	SM 4500-Cl <sup>-</sup> B
Waste Water	Chloride Determination Titrimetric Method	SM 4500-Cl <sup>-</sup> C
Waste Water	Sulphate Determination Gravimetric Method	SM 4500-SO <sub>4</sub> <sup>2-</sup> C
Waste Water	Sulphate Determination Gravimetric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> D
Waste Water	Sulphate Determination Spectrophotometric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> E
Waste Water	Determination of Bromide, Fluoride, Chloride, Nitrate / Nitrate Nitrogen, Nitrite / Nitrite Nitrogen, Orthophosphate, Phosphate / Phosphate Phosphorus, Sulphate Ion Chromatography (IC) Method	TS EN ISO 10304-1


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Waste Water	Bromide, fluoride, chloride, nitrate, Nitrite, orthophosphate, sulphate Determination  IC Method	SM 4110 B
Waste Water	Color Determination  Spectrophotometric Method	TS EN ISO 7887 B
Waste Water	Color Determination  Spectrophotometric Method	SM 2120 C
Waste water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	SM 4500-NO <sub>3</sub> B
Waste Water	Nitrate /Nitrate Nitrogen Determination  Spectrophotometric Method	SM 4500-NO <sub>3</sub> <sup>-</sup> E
Waste Water	Total Determination of Cyanide Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN C SM 4500-CN E
Waste Water	Determination of Cyanide Soluble in Weak Acid Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500 CN C SM 4500 CN E SM 4500 CN I SM 4500 CN B
Waste Water	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN E
Waste Water	Determination of Chromium(VI) Spectrophotometric Method	SM 3500-Cr B
Waste Water	Nitrite / Nitrite Nitrogen  Spectrophotometric Method	SM 4500-NO <sub>2</sub> <sup>-</sup> B
Waste Water	Sulphide Determination  Titrimetric Method	SM 4500 SO <sub>3</sub> <sup>2-</sup> B
Waste Water	Sulphide Determination  Spectrophotometric Method	SM 4500 SO <sub>3</sub> <sup>2-</sup> C
Waste Water	Determination of Oil and Grease Pre-treatment: Sokslet Extraction Method Measurement: Gravimetric Method	SM 5520 D
Waste Water	Determination of Fish biodeen(ZSF)	Regulation of Water Pollution Control Communique on Sampling and Analysis Methods Annex-1
Waste Water	Determination of Free Chlorine Spectrophotometric Method	SM 4500-Cl G

## Accreditation Scope


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Waste Water	Determination of Total Chlorine Spectrophotometric Method	SM 4500-Cl G
Waste water	Determination of Residual Chlorine Spectrometric Method	SM 4500-Cl G
Waste water	Determination of Total Chlorine Spectrophotometric Method	TS EN ISO 7393-2
Waste water	Determination of Free Chlorine Spectrophotometric Method	TS EN ISO 7393-2
Waste water	Determination of Bound Chlorine Spectrophotometric Method	TS EN ISO 7393-2
Waste Water	Determination of Phenol Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 D
Waste Water	Determination of Sulphide Spectrophotometric Method	SM 4500-S <sub>2</sub> <sup>-</sup> D
Waste Water	Determination of Sulphide Titrimetric Method	SM 4500-S <sub>2</sub> <sup>-</sup> F
Waste Water	Determination of Total Phosphorus Pre-treatment: Extracting Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P D
Waste Water	Determination of phosphate / phosphate Phosphorus Spectrophotometric Method	SM 4500-P D
Waste Water	Determination of Hydrazine Spectrophotometric Method	ASTM D1385
Waste Water	Determination of hydrocarbons Pre-treatment: Sokslet Extraction Method Measurement: Gravimetric Method	SM 5520 D and F
Waste Water	Determination of Vanadium (V) Pre-Treatment: Extraction with Nitric Acid Pre-Treatment: Microwave Assisted Extraction Method Measurement: AAS-Graphite Furnace Spectrometer Method	SM 3030 K SM 3030 E ASTM D3373
Waste Water	Determination of Polyaromatic Hydrocarbons (PAH) Naphthalene, Asenaphthylene, Asenaften, Florence, Phenanthrene, Anthracene, Pyrene, Florentine, Benzo(a) anthracene, Krisen, Benzo(a) pyrene, Benzo(k) fluoranthene, Benzo(b) fluoranthene, Inden (1,2,3-c, d) pyrene, Dibenzo (a, h) anthracene, Benzo (g, h, i) perylene, Benzo(e)pyrene, Perylene Pre-Treatment: Liquid-Liquid Extraction Measurement:GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 E
Waste Water	Determination of Surface Active Article(MBAS) Pre-Treatment: Sorting with Sublation Apparatus Measurement: Spectrophotometric Method	SM 5540 B SM 5540 C

## Accreditation Scope



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Waste Water	Determination of Bor(B) Spectrophotometric Method	SM 4500 B C
Waste Water	Determination of Silica (SiO <sub>2</sub> ) Spectrophotometric Method	SM 4500 SiO <sub>2</sub> C
Waste Water	Determination of Oil and Grease Pre-treatment: Solvent Extraction Method Measurement: Gravimetric Method	TS 7887
Waste Water	Measurement of Flow Rate Flow Rate Measurement Method	EPA 841-B-97-003
Waste oil	Petroleum Liquids-Hand Sampling	TS 900-1 EN ISO 3170
Waste oil	Sampling for Insulating Fluids	TS EN 60475
Waste oil	Determination of Arsenic (As), Cadmium (Cd), Chromium (Cr), Lead (Pb), Phosphorus (P) Pre Treatment: Acidic Extraction by Microwave Measurement: AAS- Graphite Furnace Method	EPA 3051 A SM 3113 B
Waste oil	Determination of Lead (Pb), Calcium(Ca), Zinc(Zn) Pre Treatment: Acidic Extraction by Microwave Measurement: AAS- Direct Air-Acetylene Flame Method	EPA 3051 A SM 3111 B
Waste oil	Flash Point Determination Closed Cap Method	ASTM D93
Waste oil	Chloride Determination Preparation: Oxygen-Calorimeter Method Measurement: Titrimetric Method	EPA 5050 EPA 9253
Waste oil	Chloride Determination Preparation: Oxygen-Calorimeter Method Measurement: Titrimetric Method	EPA 5050 SM 4500 Cl B SM 4500 Cl C
Sea Water	Taking samples from seawaters	TS ISO 5667-9
Sea water	Determination of Light Transmittance/Secchi Disc Depth Measurement: Disk Method	EPA 841-B-97-003
Sea Water	Determination of warmth Laboratory and Field Method	SM 2550 B
Sea Water	pH Determination Electrometric Method	SM 4500 H <sup>+</sup> B
Sea Water	Conductance Laboratory Method	SM 2510 B
Sea Water	Solid(AKM) Determination Gravimetric Method	SM 2540 D





## Accreditation Scope

 <p>Test TS EN ISO/IEC 17025 AB-0095-T</p>	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>	
	Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024	
<b>Testing Laboratory</b>		
<b>Address :</b> ALI KUŞÇU MAH. YAVUZ SELİM CAD. HALIÇ ÇEVRE LABORATUVARI NO:50/1 FATİH İstanbul / Türkiye		Phone : +90 212 621 2340 Fax : - Email : info@haliccevre.com Website : https://haliccevre.com/
Sea Water	Determination of dissolved oxygen  Membrane Electrode Method	SM 4500-O G
Sea Water	Salinity  Electrical Conductivity Method	SM 2520 B
Sea Water	Color Determination  Spectrophotometric Method	SM 2120 C
Sea Water	Color Determination  Spectrophotometric Method	TS EN ISO 7887 B
Sea Water	Determination of Nitrite/Nitrite Nitrogen  Spectrophotometric Method	SM 4500-NO <sub>2</sub> <sup>-</sup> B
Sea Water	Determination of Nitrate/Nitrate Nitrogen Determination  Spectrophotometric Method	SM 4500-NO <sub>3</sub> <sup>-</sup> E
Sea Water	Determination of Ammonium / Ammonium Nitrogen  Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-NH <sub>3</sub> B SM 4500-NH <sub>3</sub> F
Sea Water	Total Phosphorus Determination  Pre-treatment: Extracting Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P E
Sea Water	Determination of phosphate / phosphate Phosphorus  Spectrophotometric Method	SM 4500 P E
Sea Water	Determination of Blur  Nephelometric Method	SM 2130 B
Sea Water	Determination of Oil and Grease  Pre-treatment: Sokslet Extraction Method Measurement: Gravimetric Method	SM 5520 D
Sea Water	Determination of Chromium(VI)  Spectrophotometric Method	SM 3500-Cr B
Sea Water	Total Kjeldahl Nitroot(TKN) Determination  Macro Kjeldahl Method	SM 4500-N <sub>org</sub> B
Sea water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	SM 4500-NO <sub>3</sub> B
Sea Water	Determination of Chlorophyll-a  Spectrophotometric Method	TS 9092 ISO 10260


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 TÜRKAK  Test TS EN ISO/IEC 17025 AB-0095-T	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b> Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024	
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	Phone : +90 212 621 2340 Fax : - Email : info@haliccevre.com Website : https://haliccevre.com/	
Sea Water	Determination of Chlorophyll-a  Spectrophotometric Method	SM 10200 H
Sea Water	Toxicity / Fish Biodeen(ZSF) Determination & nbsp;	In-house method TA.177 Rev.06 (Sampling and Analysis Methods of WPCR Appendix-1 and TS 5676 have been modified.)
Sea Water	Determination of Cadmium (Cd), Copper (Cu), Lead (Pb), Nickel (Ni)  Pre Treatment: Method for Metals Analysis: AAS - Graphite Furnace Method	In-House Method "TA.321 Rev.00" (Seawater Analysis Third Extended Willey-VHC Klaus Grasshoff:2009) SM 3113 B
Sea Water	Determination of Zinc (Zn)  Pre Treatment: Method for Metals Analysis: AAS- Direct Air-Acetylene Flame Method	In-House Method "TA.321 Rev.00" (Seawater Analysis Third Extended Willey-VHC Klaus Grasshoff:2009) SM 3111 B
Sea Water	Determination of Phenol Pre Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 C
Sea Water	Determination of Fluoride  Pre-treatment: Distillation Method  Measurement: SPADNS Method	SM 4500-F B SM 4500-F D
Sea Water	Determination of Chloride  Titrimetric Method	SM 4500 Cl-B
Sea Water	Chloride Determination  Titrimetric Method	SM 4500 Cl-C
Sea Water	Determination of Total Chlorine  Spectrophotometric Method	SM 4500 Cl G
Sea Water	Needs of chemical oxygen(KOI) Determination  Open Reflaks-Titrimetric Method	TS 2789-Annex A TS 2789-Annex B
Sea Water	Determination of degradable organic pollutants  5-Daily BOI Test Method	SM 5210 B
Sea Water	Determination of Sulphide  Spectrophotometric Method	SM 4500-S <sup>2-</sup> D


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Sea Water	Determination of Sulphide Titrimetric Method	SM 4500-S2- F
Sea Water	Sulphate Determination Gravimetric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> C
Sea Water	Sulphate Determination Spectrophotometric Method	SM 4500 SO <sub>4</sub> <sup>2-</sup> E
Sea Water	Total Determination of Cyanide Pre-treatment: Distillation Method Measurement: Titrimetric Method	SM 4500-CN C SM 4500-CN D
Sea Water	Total Determination of Cyanide Pre-treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN C SM 4500-CN E
Sea Water	Determination of Surface Active Article(MBAS) Pre-treatment: Sorting with Sublation Apparatus Measurement: Spectrophotometric Method	SM 5540 B SM 5540 C
Sea Water	PAH(Polyaromatic Hydrocarbons) Determination (The compound names requested in this scope shall be written on.) Pre-treatment: Liquid Liquid /Solid Phase Extraction Pre-treatment: Alumina Cleaning Pre-Procurement: Silicagel Cleaning Measurement: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 E
Sewage Sludge	Getting Sludge Samples from Sewerage and Water Treatment Facilities	TS EN ISO 5667-13
Sewage Sludge	Determination of Arsenic (As), Beryllium (Be), Molybdenum (Mo), Selenium (Se), Thallium (Tl), Lead (Pb), Cadmium (Cd), Nickel (Ni), Antimony (Sb), Copper (Cu), Barium (Ba), Chromium (Cr) Pretreatment: Acidic Extraction by Microwave Measurement: AAS - Graphite Furnace Method	EPA 3051 A SM 3113 B
Sewage Sludge	Determination of Silver (Ag), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Nickel (Ni), Lead (Pb), Tin (Sn), Zinc (Zn), Antimony (Sb) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Direct Air-Acetylene Flame Method	EPA 3051 A SM 3111 B
Sewage Sludge	Determination of Barium (Ba) Pretreatment:Acidic Extraction by Microwave Measurement: AAS- Direct Nitrous OxideAcetylene Flame Method	EPA 3051 A SM 3111 D
Sewage Sludge	Determination of Mercury (Hg) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Cold Vapor Atomic Absorption	EPA 3051 A SM 3112 B
Sewage Sludge	Vanadium (V) Determination Preparation: Microwave Acidic Extraction Measurement: AAS-Grafit Oven Method	EPA 3051 A ASTM D 3373
Sewage Sludge	Determination of Combustion Loss (550 ± 25)°C Gravimetric Method	TS EN 15935


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Sewage Sludge	pH Determination Electrometric Method	TS ISO 10390
Sewage Sludge	Dry Residue (%) and Water Content (%) Determination Gravimetric Method	TS 9546 EN 12880
Sewage Sludge	Electrical Conductivity Determination Electrometric method	TS ISO 11265
Sewage Sludge	Determination of Organic Matter Titrimetric Method	TS 8336
Sewage Sludge	Total Nitrogen Determination Modified Kjeldahl Method	TS 8337 ISO 11261
Sewage Sludge	Kjeldahl Nitrogen (TKN) Determination Kjeldahl Nitrogen Method	TS EN 13342
Sewage Sludge	Phosphorus Determination Modified Bray and Kurtz Method	TS 8338
Sewage Sludge	Determination of Soil Structure Determination of Water Saturation	TS 8333
Sewage Sludge	PCB (Polychlorinated Biphenyls) Determination (The compound names requested in this scope will be written on.) Preparation: Sokslet/PLE(FMS/ASE) Extraction Preparation Silicagel Cleaning Preparation: Alumina Cleaning Preparation: Fluoricyl Cleaning Preparation: H <sub>2</sub> SO <sub>4</sub> /sub-/NaOH Cleaning Preparation: Sulfur Cleaning Measurement: GC-ECD / GC-MS Method	ISO 18475
Waste	Sampling from solid waste	TS 12090
Waste	Determination of Arsenic (As), Beryllium (Be), Molybdenum (Mo), Selenium (Se), Thallium (Tl), Lead (Pb), Cadmium (Cd), Nickel (Ni), Antimony (Sb), Copper (Cu), Barium (Ba), Chromium (Cr)  Pretreatment: Microwave Assisted Digestion of Leachate Measurement: AAS - Graphite Furnace Method	TS EN 12457-4 EPA 3051A SM 3113 B
Waste	Determination of Silver (Ag), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Nickel (Ni), Lead (Pb), Tin (Sn), Zinc (Zn), Antimony (Sb), Barium (Ba)  Pretreatment: Microwave Assisted Digestion of Leachate Measurement: AAS- Direct Air-Acetylene Flame Method	TS EN 12457-4 EPA 3051A SM 3111 B
Waste	Determination of Barium (Ba)  Pretreatment: Microwave Assisted Digestion of Leachate Measurement: AAS- Direct Nitrous OxideAcetylene Flame Method	TS EN 12457-4 EPA 3051A SM 3111 D
Waste	Mercury (Hg) Determination Preparation: Solid Extract Method Preparation: Cold Evaporation Measurement: AAS-Cold Steam Method	TS EN 12457-4 SM 3112 B
Waste	Chloride Determination Preparation: Solid Extract Method Measurement: Titrimetric Method	TS EN 12457-4 SM 4500-Cl <sup>-</sup> B
Waste	Chloride Determination Preparation: Solid Extract Method Measurement: Titrimetric Method	TS EN 12457-4 SM 4500-Cl <sup>-</sup> C
Waste	Fluoride Determination Preparation: Solid Extract Method Preparation: Distillation Method Measurement: SPADNS Method	TS EN 12457-4 SM 4500-F B SM 4500-F D


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Waste	Sulphate Determination Preparation: Solid Extract Method Measurement: Gravimetric Method	TS EN 12457-4 SM 4500 SO <sub>4</sub> <sup>2-</sup> C
Waste	Sulphate Determination Preparation: Solid Extract Method Measurement: Gravimetric Method	TS EN 12457-4 SM 4500 SO <sub>4</sub> <sup>2-</sup> D
Waste	Sulphate Determination Preparation: Solid Extract Method Measurement: Turbidimetric Method	TS EN 12457-4 SM 4500-SO <sub>4</sub> <sup>2-</sup> E
Waste	Determination of Bromide, Fluoride, Chloride, Nitrite/Nitrite Nitrogen, Nitrate/Nitrate Nitrogen, Orthophosphate, Phosphate/Phosphate Phosphorus, Sulfate  Pretreatment: Solid Extraction Method Measurement: Ion Chromatography (IC)	TS EN 12457-4 SM 4110 B
Waste	Total Dissolved Substance Preparation: Solid Extract Method Measurement: Gravimetric Method	TS EN 12457-4 SM 2540 C
Waste	Determination of Vanadium (V)  Pre Treatment: Microwave Assisted Digestion of Leachate Measurement: AAS- Graphite Furnace Method	TS EN 12457-4 EPA 3051 A ASTM D 3373
Waste	Determination of Loss on Ignition of Dry Mass (550±25)* C	TS EN 15935
Waste	pH Determination Electrometric Method	TS ISO 10390
Waste	Dry Residue (%)Water Content (%) Determination Gravimetric Method	TS 9546 EN 12880
Waste	Electrical Conductivity Determination Electrometric Method	TS ISO 11265
Waste	Determination of Organic Matter Titrimetric Method	TS 8336
Waste	Determination of Phenol Index Preparation: Solid Extract Method Preparation: Distillation Method Measurement: Spectrophotometric Method	TS EN 12457-4 TS 6227 ISO 6439
Waste	Determination of Polychlorinated Biphenyls (PCBs) (PCB28, PCB52, PCB101,PCB118, PCB138, PCB153 and PCB180) Pre-treatment: Soxlet Extraction Method Pre-treatment: Silicagel Cleanup Measurement: GC-MS Method	TS EN 17322 ISO 18475
Soil	Surface Soil Sampling, Transport and Storage of Samples	TS 9923
Soil	Determination of Arsenic (As), Beryllium (Be), Molybdenum (Mo), Selenium (Se), Thallium (Tl), Lead (Pb), Cadmium (Cd), Nickel (Ni), Antimony (Sb), Copper (Cu), Barium (Ba), Chromium (Cr)  Pretreatment: Microwave Assisted Extraction  Measurement: AAS - Graphite Furnace Method	EPA 3051 A SM 3113 B
Soil	Determination of Silver (Ag), Cadmium (Cd), Cobalt (Co), Chromium (Cr), Copper (Cu), Nickel (Ni), Lead (Pb), Tin (Sn), Zinc (Zn), Antimony (Sb)  Pretreatment: Microwave Assisted Extraction  Measurement: AAS- Direct Air Acetylene Flame Method	EPA 3051 A SM 3111 B


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Soil	Determination of Barium (Ba) and Titanium (Ti)  Pretreatment: Microwave Assisted Extraction  Measurement: AAS- Direct Nitrous OxideAcetylene Flame Method	EPA 3051 A SM 3111 D
Soil	Determination of Mercury (Hg)  Pretreatment: Microwave Assisted Extraction  Measurement: AAS- Cold Vapor Atomic Absorption	EPA 3051 A SM 3112 B
Soil	Vanadium (V) Determination Preparation: Microwave Acidic Extraction Measurement: AAS-Graphite Furnace Method	EPA 3051 A ASTM D 3373
Soil	Determination of Combustion Loss (550 ± 25)° C Gravimetric Method	TS EN 15935
Soil	pH Determination Electrometric Method	TS ISO 10390
Soil	Dry Residue (%) Water Content ( % ) Determination Gravimetric Method	TS 9546 EN 12880
Soil	Determination of Organic Matter Titrimetric Method	TS 8336
Soil	Determination of Total Salts	TS 8334
Soil	Chromium (VI) Determination Preparation: Alkaline Extracting Method Measurement: Spectrophotometric Method	EPA 3060 A EPA 7196 A
Soil	Phosphorus Determination Modified Bray and Kurtz Method	TS 8338
Soil	Determination of Total Cyanide Pre Treatment: Extraction+Distillation Measurement: Titrimetric+Spectrometric Method	EPA 9013 A EPA 9010 C EPA 9014
Soil	Determination of Total Cyanide  Pre Treatment: Distillation Measurement: Spectrophotometric Method	SM 4500-CN B SM 4500-CN C SM 4500-CN E
Soil	Determination of Cyanide Spectrophotometric Method	ISO 11262
Soil	Oil-Grease Determination Preparation: Soxhlet Extraction Measurement: Gravimetric Method	SM 5520 E
Soil	Total Nitrogen Determination Modified Kjeldahl Method	TS 8337 ISO 11261
Soil	Determination of Soil Structure Determination of Water Saturation	TS 8333
Soil	PCB (Polychlorinated Biphenyls) Determination (The compound names requested in this scope will be written on.) Preparation: Sokslet/PLE (FMS/ASE ) Extraction Preparation: Silicagel Cleaning Preparation: Alumina Cleaning Preparation: Fluoricyl Cleaning Preparation: H <sub>2</sub> SO <sub>4</sub> /NaOH Cleaning Preparation: Sulfur Cleaning Measurement: GC-ECD/GC-MS Method	ISO 18475

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Soil	Determination of Water-Soluble Sulphate Gravimetric Method	TS ISO 11048 (Clause 6.3.3 except extraction of soil samples with dilute acid)
Sediment	Samples from Bottom Sediments	TS 9547 ISO 5667-12
Marine Sediments	Sampling from Marine Sediments	TS EN ISO 5667-19
Sediment	Determination of Dry Residue(%) and Water Content(%) Gravimetric Method	TS 9546 EN 12880
Sediment	Determination of Combustion Loss (550 ± 25) ° C Gravimetric Method	TS EN 15935
Sediment	Electrical Conductivity Determination Electrometric Method	TS ISO 11265
Sediment	pH Determination Electrometric Method	TS ISO 10390
Sediment	Phosphorus Determination Modified Bray and Kurtz Method	TS 8338
Sediment	Determination of Cadmium (Cd), Chromium (Cr), Lead (Pb), Copper (Cu), Nickel (Ni), Zinc (Zn), Iron (Fe), Tin (Sn) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Flame Method	EPA 3051 A SM 3111 B
Sediment	Determination of Barium (Ba), Beryllium (Be), Aluminum (Al) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Flame Method	EPA 3051 A SM 3111 D
Sediment	Determination of Cadmium (Cd), Lead (Pb), Copper (Cu), Nickel (Ni), Tin (Sn), Aluminum (Al), Vanadium (V), Barium (Ba), Beryllium (Be), Cobalt (Co), Arsenic (As) Pretreatment: Acidic Extraction by Microwave Measurement: AAS - Graphite Furnace Method	EPA 3051 A SM 3113 B
Sediment	Determination of Mercury (Hg) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Cold Vapor Atomic Absorption	EPA 3051 A SM 3112 B
Sediment	PCB(Polyclore Bipeniller) Determination (The compound names requested in this scope shall be written on.) Pre-treatment: Sokslet / PLE Extraction Pre-Procurement: Silicagel Cleaning Pre-treatment: Alumina Cleaning Pre-treatment: Fluoricyl Cleaning Pre-treatment: H2SO4 / NaOH Cleaning Pre-treatment: Sulfur Cleaning Measurement: GC-ECD / GC-MS Method	ISO 18475
Biota	Sampling of Benthic Macroinvertebrates in Fresh Waters	TS EN ISO 10870

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Biota	Determination of Dry Residue(%) and Water Content(%) Gravimetric Method	TS 9546 EN 12880
Biota	Determination of Loss on Ignition of Dry Mass (550±25)* C Gravimetric Method	TS EN 15935
Biota	Determination of Cadmium (Cd), Chromium (Cr), Lead (Pb), Copper (Cu), Nickel (Ni), Zinc (Zn), Iron (Fe), Tin (Sn) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Flame Method	EPA 3051 A SM 3111 B
Biota	Determination of Barium (Ba), Beryllium (Be), Aluminum (Al) Pretreatment: Acidic Extraction by Microwave Measurement: AAS- Flame Method	EPA 3051 A SM 3111 D
Biota	Determination of Cadmium (Cd), Lead (Pb), Copper (Cu), Nickel (Ni), Tin (Sn), Aluminum (Al), Vanadium (V), Barium (Ba), Beryllium (Be), Cobalt (Co) Pretreatment: Acidic Extraction by Microwave Measurement: AAS - Graphite Furnace Method	EPA 3051 A SM 3113 B
Biota	Determination of Phenol Index Pre-Treatment: Acidic extraction by microwave Measurement: Spectrometric Method	EPA 3051 A SM 3112 B
*Customer's on-site, temporary or mobile facility		

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.






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Accreditation Nr: AB-0095-T  
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Occupational Hygiene Analyses		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Occupational Hygiene Gas Analysis with Detector Tube	Determination of Concentration of Toxic Gases or Vapors  Diisopropylamine (C <sub>6</sub> H <sub>13</sub> N), N,N-Dimethylaniline (C <sub>8</sub> H <sub>11</sub> N), Dipropylamine (C <sub>8</sub> H <sub>15</sub> N), n-Methylaniline (C <sub>7</sub> H <sub>9</sub> N), Morpholine (C <sub>4</sub> H <sub>9</sub> NO), Pentylamine (C <sub>5</sub> H <sub>13</sub> N), Propylamine (C <sub>3</sub> H <sub>9</sub> N), Pridine (C <sub>5</sub> H <sub>7</sub> N), o-Toluidine (C <sub>7</sub> H <sub>9</sub> N), p-Toluidine (C <sub>7</sub> H <sub>9</sub> N), Isopropylacetate (C <sub>5</sub> H <sub>11</sub> O <sub>2</sub> ), tert-Butanol (C <sub>4</sub> H <sub>10</sub> O), Butyl ether (C <sub>8</sub> H <sub>18</sub> O), Butyl methacrylate (C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> ), tert-Butyl methyl ether (C <sub>5</sub> H <sub>12</sub> O), Cumene (C <sub>9</sub> H <sub>12</sub> ), Cyclohexane (C <sub>6</sub> H <sub>12</sub> ), Decahydronaphthalene (C <sub>10</sub> H <sub>18</sub> ), n-Decane (C <sub>10</sub> H <sub>22</sub> ), Diethylbenzene (C <sub>10</sub> H <sub>14</sub> ), Ethylmethacrylate (C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> ), Isopropyl ether (C <sub>6</sub> H <sub>14</sub> O), n-Nonane (C <sub>9</sub> H <sub>20</sub> ), 1,2,4-Trimethylbenzene (C <sub>9</sub> H <sub>12</sub> ), p-Dichlorobenzene (C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> ), Undecane (C <sub>11</sub> H <sub>24</sub> ), Acrylonitrile (C <sub>3</sub> H <sub>3.5</sub> N), Acetaldehyde (C <sub>2</sub> H <sub>4</sub> O), Tetrachloroethylene (C <sub>2</sub> Cl <sub>4</sub> ), Carbondisulfide (CS <sub>2</sub> ), Mercury vapor (Hg), Naphthalene (C <sub>10</sub> H <sub>8</sub> ), Bromochloromethane (CH <sub>2</sub> BrCl), Bromoform (CHBr <sub>3</sub> ), 1-Bromopropane (C <sub>3</sub> H <sub>7</sub> Br), 2-Bromopropane (C <sub>3</sub> H <sub>7</sub> Br), Dibromomethane (CH <sub>2</sub> Br <sub>2</sub> ), 1,2-Dichloropropane (C <sub>3</sub> H <sub>5</sub> Cl <sub>2</sub> ), Ethyl bromide (C <sub>2</sub> H <sub>5</sub> Br), General hydrocarbons, Methyl isothiocyanate (C <sub>2</sub> H <sub>5</sub> NS), Ethylbenzene (C <sub>8</sub> H <sub>10</sub> ), Ethylene (C <sub>2</sub> H <sub>4</sub> ), Acetone (C <sub>3</sub> H <sub>6</sub> O), Methyl ethyl ketone (C <sub>4</sub> H <sub>8</sub> O), Ethylacetate (C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ), Butylacetate (C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> ), Ethylene oxide (C <sub>2</sub> H <sub>4</sub> O), Propylene glycol (C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> ), Propylene oxide (C <sub>3</sub> H <sub>6</sub> O), Kerosin, Heptane (C <sub>7</sub> H <sub>16</sub> ), Methylmercaptan (CH <sub>4</sub> S), Methylalcohol (CH <sub>4</sub> O), 1-Butanol (C <sub>4</sub> H <sub>10</sub> O), Methyl isobutyl ketone (C <sub>6</sub> H <sub>12</sub> O), 2-Ethoxyethanol (C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> ), Tetrahydrofuran (C <sub>4</sub> H <sub>8</sub> O), 1,1,1-Trichloroethane (C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub> ), Arsine (AsH <sub>3</sub> ), Isopropylalcohol (C <sub>3</sub> H <sub>8</sub> O), Phenol (C <sub>6</sub> H <sub>6</sub> O), Cresol (C <sub>7</sub> H <sub>8</sub> O), Aniline (C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> ), Ethylamine (C <sub>2</sub> H <sub>7</sub> N), Inorganic gas determinant, Amins, Nitrogen dioxide (NO <sub>2</sub> ), Phosphine (PH <sub>3</sub> ), Nitric acid (HNO <sub>3</sub> ), Hydrogen Bromide (HBr), Nitrogen oxides (NOx), Butane (C <sub>4</sub> H <sub>10</sub> ), Hydrogen (H <sub>2</sub> ), Vinyl chloride (CH <sub>2</sub> CHCl), Ethylene glycol (C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> ), Pentyl acetate (C <sub>7</sub> H <sub>14</sub> O <sub>2</sub> ), Styrene (C <sub>8</sub> H <sub>8</sub> ), Divinyl benzene (C <sub>6</sub> H <sub>4</sub> ), α-Pinene (C <sub>10</sub> H <sub>16</sub> ), Hydrogen cyanide (HCN), Phosgene (COCl <sub>2</sub> ), Acetylene (C <sub>2</sub> H <sub>2</sub> ), Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ), Oxygen (O <sub>2</sub> ), Chlorine (Cl <sub>2</sub> ), Tetrachloroethylene (C <sub>2</sub> Cl <sub>4</sub> ), Acetaldehyde (C <sub>2</sub> H <sub>4</sub> O), Methylmetacrylate (C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ), Butylamine (C <sub>4</sub> H <sub>11</sub> N), Cyclohexylamine (C <sub>6</sub> H <sub>13</sub> N), Dibutylamine (C <sub>8</sub> H <sub>19</sub> N), Oil Mist), Sulfur dioxide (SO <sub>2</sub> ), Ammonia (NH <sub>3</sub> ), Carbon monoxide (CO), Hydrogen sulfide (H <sub>2</sub> S), Propane (C <sub>3</sub> H <sub>8</sub> ), Carbon dioxide (CO <sub>2</sub> ), Hydrogen fluoride (HF), Formaldehyde (CH <sub>2</sub> O), Hydrogen chloride (HCl), Ozone (O <sub>3</sub> ), Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> ), Acetic acid (CH <sub>3</sub> COOH), Formic acid (HCOOH), Asetic anhydride (C <sub>4</sub> H <sub>6</sub> O <sub>3</sub> ), Acrylic acid (C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> ), Butyric acid (C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ), Isobutyric acid (C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ), Isovaleric acid (C <sub>5</sub> H <sub>10</sub> O <sub>2</sub> ), Maleic anhydride (C <sub>4</sub> H <sub>2</sub> O <sub>3</sub> ), Methacrylic acid (C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ), Allyl alcohol (C <sub>3</sub> H <sub>6</sub> O), Propionic acid (C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> ), n-Valeric acid (C <sub>5</sub> H <sub>10</sub> O <sub>2</sub> ), Organic gas determiner, Pentane (C <sub>5</sub> H <sub>12</sub> ), Hexane (C <sub>6</sub> H <sub>14</sub> ), Trichloroethylene (C <sub>2</sub> HCl <sub>3</sub> ), Tetrachloroethylene (C <sub>2</sub> Cl <sub>4</sub> ), Butadiene (C <sub>4</sub> H <sub>6</sub> ), Gasoline, Benzene (C <sub>6</sub> H <sub>6</sub> ), Toluene (C <sub>7</sub> H <sub>8</sub> ), Xylene (C <sub>8</sub> H <sub>10</sub> ), Carbon tetra chloride (CCl <sub>4</sub> ), Dimethylformamide (C <sub>3</sub> H <sub>7</sub> NO), Methyl acrylate (C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> ), Butyl acrylate (C <sub>7</sub> H <sub>12</sub> O <sub>2</sub> ), Ethyl acrylate (C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) (Chlorine Dioxide (ClO <sub>2</sub> ), Chlorine (Cl <sub>2</sub> )	ASTM D4490-96
Occupational Hygiene Gas Analysis with Device	Determination of Oxygen (O <sub>2</sub> ), Carbonmonoxide (CO), Hydrogen sulfide (H <sub>2</sub> S), Methane (CH <sub>4</sub> , %LEL), Carbon dioxide (CO <sub>2</sub> ), Sulfur dioxide (SO <sub>2</sub> ), Nitrogen dioxide (NO <sub>2</sub> ) Sampling and Measurement: Electrochemical Cell Method	In-House Method- TA.266.01/Rev.00(NIOS H-NMAM 6604:2016, NIOSH-NMAM 6601:1994)
Occupational Hygiene Gas Analysis with Device	Determination of Carbon Monoxide (CO) Sampling and Analysis: Electrochemical Cell Method	NIOSH NMAM 6604
Occupational Hygiene Gas Analysis with Device	Determination of Oxygen (O <sub>2</sub> ) Sampling and Analysis: Electrochemical Cell Method	NIOSH NMAM 6601
Occupational Hygiene Volatile Organic Compounds	Determination of Volatile Organic Compounds  1,4-Dioxane (Diethylene ether), Acetic Acid (Ethanoic Acid) (Hydrogen Acetate), Diethylamine, Methanol (Methyl alcohol), Pyridine (Azabenzol) (Azin), Triethylamine  Sampling: Pumping Sorbent Tube Sampling Pre-Treatment: Solvent Desorption Analysis: GC-FID Method	TS ISO 16200-1
Occupational Hygiene Volatile Organic Compounds	Determination of Volatile Organic Compounds  1,1,1,2-tetrachloroethane, 1,1,1-Trichloroethane (Methyl Chloroform), 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethane (Vinilidene Chloride) (Vinilidene Dichloride), 1,1-dichloropropene, 1,2,3-Trichloropropane (Trichlorhydrin), (Allyl Trichloride), 1,2,3-Trimethylbenzene (Hemellitil), 1,2,3-Trichlorobenzene, 1,2-Dibromoethane (Glycolbromide), (Ethylenebromide), (Ethylenedibromide), 1,2-Dichlorobenzene (o-dichlorobenzene), 1,2-Dichloroethane (Ethylenedichloride), (Ethanedichloride), 1,1-Dichloroethane (1,1-Ethylidene Dichloride), (Ethylidene Chloride), (Ethylidene Dichloride), cis-1,2-Dichloroethane (cis-acetylene dichloride), 1,2-dichloropropane (Propylene bichloride), 1,3,5-Trimethylbenzene (Mesiethylene), 1,3-dichlorobenzene (m-Dichlorobenzene), 1,3-dichloropropane, 1,4-Dichlorobenzene (p-dichlorobenzene), 2,2-dichloropropane, 2,6-Dimethyl-4-heptanone, 4-chlorotoluene, 2-Hexanone (Propilacetone) (Butyl Methyl Ketone), 2-Methyl- 1-propanol (Isobutanol), (Isobutyl alcohol), 3-Heptanone (Ethylbutylketone) (3-oxoheptane) (Butylethylketone), 2-chlorotoluene, 4-isopropyltoluene, Acetic acid n-propyl ester, As ethic acid-isobutyl ester, Acrylic acid-ethyl ester, alpha-Methylstyrene (Isopropenylbenzene) (beta-phenyl propylene), Bromobenzene (Bromobenzole) (Phenyl Bromide), Bromochloromethane, Bromodichloromethane, Bromomethane, Chloromethane (Methylchloride), 1,2-Dichloroethane (cis-/trans), Cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Epichlorohydrin (1-Chloro-2,3-epoxypropane), Hexachlorobutadiene (hexachloro-1,3-butadiene) (Trypene) (Perchlorobutadiene), Hexachloroethane (Carbon hexachloride) (Ethane hexachloride) (Perchloroethane), Isopropylbenzene (Cumene) (Cumol), Methyl acetate (Methyl ethanoate) (Methyl ester of acetic acid), Naphthalene, n-Butylbenzene (1-phenylbutane) (1-butylbenzene), sec-Butylbenzene (1-methylpropylbenzene), Tert-butylbenzene (1,1-dimethylethylbenzene), Tetrachloroethene (Perchloroethylene (Perchloroethene), Tetrachloromethane (Carbon Tetrachloride) (Carbon Chloride) (Benziform) (Perchloromethane), Trans-1, 3-dichloropropene, Tribromomethane (Bromoform) (Methyl tribromide), Trichlorofluoromethane (Fluorochloroform), Vinylchloride (K chloroethylene), 2,3-Dimethylheptane, 2,3-Dimethylpentane, 1,3-Butadiene (Biethylene) (Divinyl) (Vinylethylene) (Bivinyli) (Butadiene), 1,2-Dibromo-3-chloropropane (Dibromochloropropane)	TS ISO 16200-1

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 Test TS EN ISO/IEC 17025 AB-0095-T	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>  Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024	
Occupational Hygiene Volatile Organic Compounds	Determination of Volatile Organic Compounds  1,1,2-Trichloroethane, 1,2,4-Trimethylbenzene, 1-Butanol (Butanol) (n-Butyl alcohol) (Butylhydrate Butyric alcohol) (Propylcarbinol)), 1-propanol, 2-Butanone (Butanone) (Ethyl methyl ketone), 2-Heptanone (Heptan-2-Open), 2-Propanol (Isopropyl alcohol) (IPA) (Isopropanol) (Sec-Propanol), 4-Methyl-2-pentanone (Isobutylmethylketone) (MIK) (MIBK) (2-Pentanone) (Hexon), 5-Methyl-3-heptanone, Acetone (Dimethyl Ketone) (Dimethyl Carbonyl) (Propanone) (Dimethyl Formaldehyde), Acetonitrile (Ethanenitrile) (Methyl Cyanide), Aniline (Phenylamine) (Aminobenzene) (Benzamine), Acetylacetone, Benzene, Butylglycol (2-Butoxyethanol) (Ethylene glycol monobutylether) (EGBE), Chloroform (Trichloromethane), Cyclohexanone, Dichloromethane (Methylenechloride), Diethylether (Ethoxy ethane) (Ethyl ether) (Ethyl oxide), Ethanol (Ethyl alcohol), Ethyl Acetate (Ethylethanolate) (Ethyl Ester) (Acetic Ester), Ethylbenzene, Ethylene glycol monomethylether (2-Methoxyethanol), n-Hexane, Isopropylacetate (2-Propyl acetate), Methylcyclohexane (Hexahydrotoluene) (Cyclohexylmethane), mp-xylene, n-Butyl acetate, n-Heptane, n-benzene, Octane, o-Xylene, Phenol (Carbolic acid) (Hydroxybenzene), Cyclohexane (Hexahydrobenzene) (Hexamethylene), Styrene (Vinylbenzene) (Phenylethylene), tert-butylmethyl ether (Tertiarybutylmethylketone) (MTBE), Tetrahydrofuran (1,4-Epoxybutane) (Butylene oxide) (Hydrofuran) (Furanidine), Toluene, Vinylacetate (Acetic Acid Vinyl Ester), 2-Pentanone (4-M) ethylpentan-2-one) (Isobutylmethylketone) (MIK) (MIBK) (Hexon), Trichloroethylene, Chlorobenzene, Trichlorobenzene (1,2,4 Trichlorobenzene), 1,2-Dichloroethane, 1-Methoxy-2-propanol  Sampling: Pumping Sorbent Tube Sampling Pre-Treatment: Solvent Desorption Analysis: GC-MS/GC-FID Method	TS ISO 16200-1
Occupational Hygiene Heavy Metals	Determination of heavy metals and compounds (Gold (Au), Silver (Ag), Aluminum (Al), Barium (Ba), Beryllium (Be), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Iron (Fe), Magnesium (Mg), Manganese (Mn), Molybdenum (Mo), Nickel (Ni), Lead (Pb), Selenium (Se), Tin (Sn), Thallium (Tl), Zinc (Zn), Cadmium (Cd), Sodium (Na), Titanium (Ti), Potassium (K))  Sampling: Sampling on filter by the pump Analysis: Flame Atomic Absorption Spectroscopy (AAS)	In-House Method- "TA.268.Rev.05" (ASTM D 4185)
Occupational Hygiene Heavy Metals	Determination of Mercury (Hg)  Sampling: Sampling on sorbent tube by the pump Analysis: Cold Vapor Atomic Absorption Spectroscopy (AAS)	NIOSH NMAM 6009
Occupational Hygiene Heavy Metals	Determination of Heavy Metal and Compounds  Vanadium (V)  Sampling: Sampling on filter by the pump Analysis: Graphite Furnace Atomic Absorption Spectroscopy (AAS)	In-House Method- "TA.242.Rev.04" (ASTM D 4185:2023- ASTM D 3373:2017)
Occupational Hygiene Heavy Metals	Determination of Arsenic Trioxide (As <sub>2</sub> O <sub>3</sub> ) as Elemental Arsenic  Sampling: Sampling into Filter with Pump Pretreatment: Incineration with Acid in Hotplate Analysis: Graphite Furnace Atomic Absorption Spectrophotometer	NIOSH NMAM 7901
Occupational Hygiene Heavy Metals	Determination of Heavy Metal Lead (Pb)  Sampling: Sampling on filter by the pump Analysis: Flame Atomic Absorption Spectroscopy (AAS)	NIOSH NMAM 7082
Occupational Hygiene Heavy Metals	Determination of Hexavalent Chromium (Cr <sup>+6</sup> )  Sampling: Sampling into Filter with Pump Pretreatment: Acidic Extraction Pretreatment: Degassing by Nitrogen and Basic Extraction Analysis: Visible Spectrophotometer	NIOSH NMAM 7600
Occupational Hygiene Heavy Metals	Determination of Heavy Metal and Compounds  ((Tin (Sn), Antimony (Sb), Potassium (K))  Sampling: Sampling on filter by the pump Analysis: Flame Atomic Absorption Spectroscopy (AAS)	OSHA ID-121
Occupational Hygiene Heavy Metals	Determination of Magnesium Oxide (MgO), Calcium Oxide (CaO), Titanium Dioxide (TiO <sub>2</sub> )  Sampling: Sampling on filter by the pump Analysis: Atomic Absorption Spectroscopy (AAS)	In-House Method- "TA.304.Rev.05" (ASTM D 4185)
Occupational Hygiene Heavy Metals	Determination of Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )  Sampling: Sampling on filter by the pump Measurement: Flame Absorption Spectrophotometer (AAS)	OSHA-ID 198SG
Occupational Hygiene Calcium Carbonate	Determination of Calcium Carbonate (CaCO <sub>3</sub> )  Sampling: Sampling on filter by the pump Measurement: Flame Absorption Spectrophotometer (AAS)	Internal Method- "TA.400.Rev00" (NIOSH-NMAM 7020:1994)




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Occupational Hygiene Dust Analysis	Determination of Total and Respirable Dust Sampling: Sampling into Filter with Pump Analysis: Gravimetric Method	HSE-MDHS 14/3
Occupational Hygiene Dust Analysis	Determination of Respirable Dust Sampling: Sampling into Filter with Pump Analysis: Gravimetric Method	ASTM D 4532-15
Occupational Hygiene Dust Analysis	Total Dust Determination Sampling: Sampling into Filter with Pump Analysis: Gravimetric Method	NIOSH NMAM 500
Occupational Hygiene Dust Analysis	Determination of Respirable Dust Sampling: Sampling into Cyclone and Filter samples Analysis: Gravimetric Method	NIOSH NMAM 600
Occupational Hygiene Mineral Oil Aerosols	Determination of Aerosols of Metalworking Fluids Sampling: Sampling into Filter with Pump Pretreatment: Extraction Method Analysis: Gravimetric Method	NIOSH NMAM 5524
Occupational Hygiene Mineral Oil Aerosols	Determination of Mineral Oil Aerosols Sampling: Sampling into Filter with Pump Analysis: Gravimetric Method	HSE MDHS 84/2
Occupational Hygiene Aerosol	Determination of Aerosols in Working Environment Analysis: Direct Photometric Reading	CEN / TR 16013-3
Occupational Hygiene Dust Analysis	Determination of Rubber Process Dust and Rubber Fume Sampling: Sampling into Filter with Pump Pretreatment: Sokslet Extraction Analysis: Gravimetric Method	HSE-MDHS 47/3
Occupational Hygiene Nitrogen Oxides	Determination of Nitric Oxide (NO) and Nitrogen Dioxide (NO <sub>2</sub> ) Sampling: Sampling into Triple Sorbent Tube with Pump Pretreatment: Solvent Desorption Analysis: Visible Absorption Spectrophotometer	NIOSH NMAM 6014
Occupational Hygiene Sulfur Dioxide	Determination of Sulfur Dioxide (SO <sub>2</sub> ) Sampling: Sampling to the filter with the pump Pre-Treatment: Solvent Desorption Measurement: Ion Chromatography (IC)	NIOSH-NMAM 6004
Occupational Hygiene Chlorine Dioxide	Determination of Chlorine oxides (ClO <sub>2</sub> ) Sampling: Sampling on imprecise Measurement: Ion Chromatography (IC)	OSHA-ID 202
Occupational Hygiene Hydrogen Peroxide	Determination of Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) Sampling: Sampling on filter by the pump Measurement: Spectrophotometric Method	OSHA-ID 1019
Occupational Hygiene Ozone	Determination of Ozone ( O <sub>3</sub> ) Sampling: Sampling on filter by the pump Pre-Treatment: Solvent Desorption Measurement: Ion Chromatography (IC)	OSHA-ID 214
Occupational Hygiene Phosphine	Determination of Phosphine (PH <sub>3</sub> ) Sampling: Sampling into Sorbent Tube with Pump Pretreatment: Desorption of Sample with Solvent Analysis: UV Visible Spectrophotometer	NIOSH NMAM 6002
Occupational Hygiene Acetic Anhydride	Determination of Acetic Anhydride ((CH <sub>3</sub> co) <sub>2</sub> CO) Sampling: Sampling into Midget Impinger with Pump Pretreatment: Extraction Method Analysis: Visible Absorption Spectrophotometer	NIOSH NMAM 3506

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Occupational Hygiene Bromide,Chloride	Determination of Bromide (Br <sub>2</sub> ) and Chloride (Cl <sub>2</sub> )  Sampling: Sampling on filter by the pump Pre-Treatment: Solvent Desorption Measurement: Ion Chromatography (IC) with Conductivity Detector	NIOSH-NMAM 6011
Occupational Hygiene Hydrogen Sulfide	Determination of Hydrogen Sulfide  Sampling: Sampling into Filter and Sorbent Tube with Pump Pretreatment: Solvent Desorption Analysis: Ion Chromatography with Conductivity Detector	NIOSH NMAM 6013
Occupational Hygiene Inorganic Acid	Determination of Hydrofluoric Acid (HF) and Particulate Fluoride (F)  Sampling: Sampling into Filter with Pump Pretreatment: Solvent Desorption Analysis: Conductivity Detector Ion Chromatography	NIOSH NMAM 7906
Occupational Hygiene Inorganic Acid	Determination of Hydrochloric Acid (HCl) Hydrobromic Acid (HBr) and Nitric Acid (HNO <sub>3</sub> )  Sampling: Sampling into Filter with Pump Pretreatment: Solvent Desorption Analysis: Ion Chromatography with Conductivity Detector	NIOSH NMAM 7907
Occupational Hygiene Inorganic Acid	Determination of Non-Volatile Acids (Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ) and Phosphoric Acid (h <sub>3</sub> po <sub>4</sub> ))  Sampling: Sampling into Filter with Pump Analysis: Ion Chromatography with Conductivity Detector	NIOSH NMAM 7908
Occupational Hygiene Asbestos and Other Fibrous Dusts	Sampling Asbestos and Other Fibers	NIOSH NMAM 7400
Occupational Hygiene Thermal Comfort	Ergonomics of the Thermal Environment - Assessment of Heat Stress Using The WBGT (Wet Bulb Globe Temperature ) Index	TS EN ISO 7243
Occupational Hygiene Thermal Comfort	Determination of PMV and PPD Indexes for Moderate Thermal Environments, Determination of Conditions for Thermal Comfort	TS EN ISO 7730
Occupational Hygiene Thermal Comfort	Ergonomics of the Thermal Environment - Determination and Interpretation of Cold Stress When Using Required Clothing Insulation (Ireq ) and Local Cooling Effects	TS EN ISO 11079
Occupational Hygiene Formaldehyde	Determination of Formaldehyde (CH <sub>2</sub> O)  Sampling: Sampling into Filter + Midjet Impinger ( Standard Nozzle ) with Pump Pretreatment: Extraction Method Analysis: Visible Absorption Spectrophotometer	NIOSH NMAM 3500
Occupational Hygiene Ammonia	Determination of Ammonia (NH <sub>3</sub> )  Sampling: Sampling into Sorbent Tube with Pump Pretreatment: Solvent Desorption Analysis: Visible Absorption Spectrophotometer	NIOSH NMAM 6015
Occupational Hygiene Alkaline Dusts	Determination of Total Alkaline Dusts (Sodium Hydroxide (NaOH) Potassium Hydroxide (KOH) Lithium Hydroxide (LiOH))  Sampling: Sampling into Filter with Pump Analysis: Titration Method	NIOSH NMAM 7401
Occupational Hygiene Crystalline Silica	Determination of Crystal Silica (SiO <sub>2</sub> )  Sampling: Sampling on filter by the pump Analysis :Visible Absorption Spectrophotometer	NIOSH NMAM 7601
Occupational Hygiene Crystalline Silica	Determination of Crystal Silica (SiO <sub>2</sub> )  Sampling: Sampling on filter by the pump Analysis: Fourier Transform Infrared Spectroscopy (FTIR)	NIOSH NMAM 7602

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Occupational Hygiene Crystalline Silica	Determination of Crystal Silica (SiO <sub>2</sub> ) Sampling: Sampling on filter by the pump Analysis: Fourier Transform Infrared Spectroscopy (FTIR)	HSE-MDHS 101/2
Occupational Hygiene Hydrazine	Determination of Hydrazine (H <sub>2</sub> NNH <sub>2</sub> ) Sampling: Sampling into Midget Impinger with Pump Pretreatment: Extraction Method Analysis: Visible Absorption Spectrophotometer	NIOSH NMAM 3503
Occupational Hygiene Hydrogen Cyanide	Determination of Hydrogen Cyanide (HCN) Sampling: Sampling into Sorbent Tube with Pump Pretreatment: Solvent Desorption Analysis: Visible Absorption Spectrophotometer	NIOSH NMAM 6010
Occupational Hygiene Carbon Black	Determination of Carbon Black Sampling: Sampling into Filter with Pump Pretreatment: Solvent Desorption Pretreatment: Heating At Drying Oven and Muffle Furnace Analysis: Gravimetric Method	OSHA ID-196
Occupational Hygiene Magnetic Field	Measurement of Human Exposure to Magnetic Fields <i>Magnetic Field [H] (1 Hz - 1 MHz)</i>	TS EN 50413
Occupational Hygiene Lighting	Measurement of Lighting / Lighting Levels in The Workplaces	COHSR-928-1-IPG-039
Occupational Hygiene Noise	Measurement of Noise Exposed in Working Environment	TS EN ISO 9612
Occupational Hygiene Noise	Determination of Emission Sound Pressure Levels at a Work Station and at Other Specified Positions in an Essentially Free Field Over a Reflecting Plane with Negligible Environmental Corrections	TS EN ISO 11201
Occupational Hygiene Noise	Determination of Emission Sound Pressure Levels at a Work Station and at Other Specified Positions Applying Approximate Environmental Corrections	TS EN ISO 11202
Occupational Hygiene Noise	Determination of Emission Sound Pressure Levels at a Work Station and Other Specified Locations - Requiring Environmental Corrections Method	TS EN ISO 11204
Occupational Hygiene Noise	Determination of noise at workplace	TS ISO 1996-2 (Clause 9.2.2)
Occupational Hygiene Noise	Acoustic - Determination of Sound Pollution From Sound Sources Near The Ear - Part 1: Technique Using a Microphone in a Real Ear (Mire Technique)	TS EN ISO 11904-1
Occupational Hygiene Vibration	Measurement and Evaluation of Whole-Body Exposure to Vibration	TS ISO 2631-1 (TS EN 1032 + A1 with )
Occupational Hygiene Vibration	Measurement and Evaluation of Human Exposure to Hand-Transmitted Vibration	TS EN ISO 5349-1 TS EN ISO 5349-2
Occupational Hygiene Vibration	Determination of Vibration Emission Value by Testing of Mobile Machinery	TS EN 1032 + A1

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 TÜRKAK Tarih TS EN ISO/IEC 17025 AB-0095-T	<b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b>  Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024
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Fluid Quantities				
Measured Quantity/Calibrated Items	Range	Measurement Conditions	Expanded Measurement Uncertainty (k=2)	Remarks / Calibration Method
<b>Volumetric Gas Flow</b>  Air Flow Measurement (Air Sampling Pump)	Flow Rate: (0.2-5) Liters/minute	Measurement Error Experiment	0,2<Q=<1,5 0,0126 l/min 1,5<Q=<2 0,0102 l/min 2<Q<5 0,0200 l/min	TS EN 1359; Clause 7.1.3.2 Comparative Method
<b>Volumetric Gas Flow</b>  Air Flow Measurement (Air Sampling Pump)	Flow Rate: (5-300) Liters/minute	Measurement Error Experiment	%1,93	TS EN 1359; Clause 7.1.3.2 Comparative Method

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 <p>TÜRKAK Türk Akademi Türk Akademi Türk Akademi</p> <p>Test TS EN ISO/IEC 17025 AB-0095-T</p>	<p><b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b></p> <p>Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024</p>
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Agricultural products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Compost and Organic Fertilizers	Determination of pH Electrometric Method	TS 836 Regulation on Market Surveillance and Control of Fertilizers Used in Agriculture, Annex-2 Method 7.4
Compost and Organic Fertilizers	Determination of Moisture Gravimetric Method (at 70 °C)	Regulation on Organic, Mineral and Microbial Fertilizers Used in Agriculture, Analysis Methods, Annex 19
Compost and Organic Fertilizers	Organic Matter Determination Pretreatment: Dry Burning at 550°C Determination: Gravimetric Method	Regulation on Organic, Mineral and Microbial Fertilizers Used in Agriculture, Analysis Methods, Annex 19
Compost and Organic Fertilizers	Determination of Organic Carbon Titrimetric Method	TS 8336
Compost and Organic Fertilizers	Determination of Mercury (Hg) Pretreatment: Microwave Assisted Digestion of Leachate Measurement: AAS- Cold Vapor Atomic Absorption	EPA 3051 A SM 3112 B
Compost and Organic Fertilizers	Determination of Arsenic (As), Cadmium (Cd), Tin (Sn), Lead (Pb) Pretreatment: Microwave Assisted Digestion of Leachate Measurement: AAS - Graphite Furnace Method	EPA 3051 A SM 3113 B
Compost and Organic Fertilizers	Determination of Nickel (Ni), Zinc (Zn), Copper (Cu), Chromium (Cr) Pretreatment: Microwave Assisted Digestion of Leachate Measurement: AAS-Flame Method	EPA 3051 A SM 3111 B

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 TÜRKAK Test TS EN ISO/IEC 17025 AB-0095-T	<p><b>HALIÇ ÇEVRE TEKNOLOJİLERİ MÜHENDİSLİK MÜŞAVİRLİK TURİZM VE SAĞLIK HİZMETLERİ TİCARET PAZ.LTD.ŞTİ.</b></p> <p>Accreditation Nr: AB-0095-T Revision Nr: 24 Date: 14.10.2024</p>
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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)
Magnetic Materials	Gauss Measurement (0-30000 mT)	In-house Method "TA.397.Rev.00" Magnetization Measurement

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