TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Central Address: MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / 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-1469-T

Accreditation Date : 24.07.2019

Revision Date / Number : 30.09.2024 / 06

This certificate shall remain in force until **23.07.2027**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

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

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Environmental Tests

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Water	Sampling from Lakes and Ponds	TS ISO 5667-4
Water	Sampling from Rivers and Streams	TS EN ISO 5667-6
Water	Sampling from Groundwaters	TS ISO 5667-11
Water	Measurement of Flow One Point Measurement Method	In-House Method-"DTL.01.Rev.No.01" (Modified from TS 5699)
Water	Determination of pH Electrometric Method	SM 4500-H^+ B
Water	Determination of Conductivity Laboratory Method	SM 2510 B
Water	Determination of Salinity Electrical Conductivity Method	SM 2520 B
Water	Determination of Temperature Electrochemical Method	SM 2550 B
Water	Determination of Turbidity Nephelometric Method	SM 2130 B
Water	Determination of Color Spectrophotometric Method	SM 2120 C
Water	Determination of Dissolved Oxygen Membrane Electrode Method	SM 4500-O G
Water	Determination of Permanganate Index Titrimetric Method	TS 6288 EN ISO 8467
Water	Determination of Chemical Oxygen Demand (COD) Open Reflux-Titrimetric Method	SM 5220 B
Water	Determination of Biochemical Oxygen Demand (BOD) 5 Days BOD Test	SM 5210 B

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.

Accreditation Scope

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T

Revision Nr: 06 Date: 30.09.2024

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Water	Determination of Acidity Titrimetric Method	SM 2310 B
Water	Determination of Alkalinity Titrimetric Method	SM 2320 B
Water	Determination of Hardness EDTA-Titrimetric Method	SM 2340 C
Water	Determination of Silica (SiO_2) Spectrophotometric Method	SM 4500-SiO_2 C
Water	Determination of Total Solids Gravimetric Method	SM 2540 B
Water	Determination of Total Dissolved Solids (TDS) Gravimetric Method	SM 2540 C
Water	Determination of Total Suspended Solids (TSS) Gravimetric Method	SM 2540 D
Water	Determination of Fixed and Volatile Solids Gravimetric Method	SM 2540 E
Water	Determination of Settleable Solids Volumetric Method	SM 2540 F
Water	Determination of Oil and Grease Pre-Treatment: Solvent Extraction Method Measurement: Gravimetric Method	SM 5520 B
Water	Determination of Oil and Grease Pre-Treatment: Soxhlet Extraction Method Measurement: Gravimetric Method	SM 5520 D
Water	Determination of Total Kjeldahl Nitrogen (TKN) Macro Kjeldahl Method	SM 4500-N_{org} B
Water	Determination of Ammonium/Ammonium Nitrogen Pre-Treatment: Distillation Method Measurement: Titrimetric Method	SM 4500-NH_3 B SM 4500-NH_3 C
Water	Determination of Ammonium/Ammonium Nitrogen Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-NH_3 B SM 4500-NH_3 F

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.

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Water	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO_2^- B
Water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
Water	Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method	SM 4500-P E
Water	Determination of Total Phosphorus Pre-Treatment: Extraction Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P E
Water	Determination of Sulfate Spectrophotometric Method	SM 4500-SO_4^{2-} E
Water	Determination of Sulphide Spectrophotometric Method	SM 4500-S^{2-} D
Water	Determination of Fluoride Pre-Treatment: Distillation Method Measurement: SPADNS Method	SM 4500-F^- B SM 4500-F^- D
Water	Determination of Chloride Titrimetric Method	SM 4500-Cl^- B
Water	Determination of Free Chlorine Titrimetric Method	SM 4500-Cl F
Water	Determination of Bound Chlorine Titrimetric Method	SM 4500-Cl B
Water	Determination of Bound Chlorine Titrimetric Method	SM 4500-Cl F
Water	Determination of Total Chlorine Titrimetric Method	SM 4500-Cl B
Water	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN^- E
Water	Determination of Total Cyanide Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN^- C SM 4500-CN^- E

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.

Accreditation Scope

TÜRKAK
Test
TS EN ISO/IEC 17025
AB-1469-T

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Water	Determination of Phenol Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 C
Water	Determination of Phenol Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 D
Water	Determination of Hydrazine Spectrophotometric Method	ASTM D1385-07
Water	Determination of Anionic Surfactants (MBAS) Pre-Treatment: Surfactant Separation by Sublation Measurement: Spectrophotometric Method	SM 5540 B SM 5540 C
Water	Determination of Hexavalent Chromium (Cr^{6+}) Spectrophotometric Method	SM 3500-Cr B
Waste Water	Sampling from Waste Waters (Sampling Techniques)	TS ISO 5667-10
Waste Water	Determination of pH Electrometric Method	SM 4500-H^+ B
Waste Water	Determination of Conductivity Electrometric Method	SM 2510 B
Waste Water	Determination of Salinity Electrical Conductivity Method	SM 2520 B
Waste Water	Determination of Temperature Laboratory and Field Method	SM 2550 B
Waste Water	Determination of Turbidity Nephelometric Method	SM 2130 B
Waste Water	Determination of Color Spectrophotometric Method	TS EN ISO 7887 B
Waste Water	Determination of Dissolved Oxygen Membrane Electrode Method	SM 4500-O G
Waste Water	Determination of Dissolved Oxygen Optical Probe Method	SM 4500-O H
Waste Water	Determination of Chemical Oxygen Demand (COD) Open Reflux-Titrimetric Method	SM 5220 B

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.

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Waste Water	Determination of Biochemical Oxygen Demand (BOD) 5 Days BOD Test	SM 5210 D
Waste Water	Determination of Acidity Titrimetric Method	SM 2310 B
Waste Water	Determination of Alkalinity Titrimetric Method	SM 2320 B
Waste Water	Determination of Hardness EDTA-Titrimetric Method	SM 2340 C
Waste Water	Determination of Silica (SiO_2) Spectrophotometric Method	SM 4500-SiO_2 C
Waste Water	Determination of Total Solids Gravimetric Method	SM 2540 B
Waste Water	Determination of Total Dissolved Solids (TDS) Gravimetric Method	SM 2540 C
Waste Water	Determination of Total Suspended Solids (TSS) Gravimetric Method	SM 2540 D
Waste Water	Determination of Fixed and Volatile Solids Gravimetric Method	SM 2540 E
Waste Water	Determination of Settleable Solids Volumetric Method	SM 2540 F
Waste Water	Determination of Oil and Grease Pre-Treatment: Soxhlet Extraction Method Measurement: Gravimetric Method	SM 5520 D
Waste Water	Determination of Oil and Grease Pre-Treatment: Solvent Extraction Method Measurement: Gravimetric Method	SM 5520 B
Waste Water	Determination of Total Kjeldahl Nitrogen (TKN) Macro Kjeldahl Method	SM 4500-N_{org} B
Waste Water	Determination of Ammonium/Ammonium Nitrogen Pre-Treatment: Distillation Method Measurement: Titrimetric Method	SM 4500-NH_3 B SM 4500-NH_3 C

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.

TÜRKAK
Test
TS EN ISO/IEC 17025
AB-1469-T

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Waste Water	Determination of Ammonium/Ammonium Nitrogen Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-NH_3 B SM 4500-NH_3 F
Waste Water	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO_2^- B
Waste Water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
Waste Water	Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method	SM 4500-P E
Waste Water	Determination of Total Phosphorus Pre-Treatment: Extraction Method Measurement: Spectrophotometric Method	SM 4500-P B SM 4500-P E
Waste Water	Determination of Sulfate Spectrophotometric Method	SM 4500-SO_4^{2-} E
Waste Water	Determination of Sulphide Spectrophotometric Method	SM 4500-S^{2-} D
Waste Water	Determination of Fluoride Pre-Treatment: Distillation Method Measurement: SPADNS Method	SM 4500-F^- B SM 4500-F^- D
Waste Water	Determination of Chloride Titrimetric Method	SM 4500-Cl^- B
Waste Water	Determination of Free Chlorine Titrimetric Method	SM 4500-Cl F
Waste Water	Determination of Bound Chlorine Titrimetric Method	SM 4500-Cl B
Waste Water	Determination of Bound Chlorine Titrimetric Method	SM 4500-Cl F
Waste Water	Determination of Total Chlorine Titrimetric Method	SM 4500-Cl B
Waste Water	Determination of Free Cyanide Spectrophotometric Method	SM 4500-CN^- E

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.

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Waste Water	Determination of Total Cyanide Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-CN^- C SM 4500-CN^- E
Waste Water	Determination of Phenol Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 C
Waste Water	Determination of Phenol Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 5530 B SM 5530 D
Waste Water	Determination of Hydrazine Spectrophotometric Method	ASTM D1385-07
Waste Water	Determination of Anionic Surfactants (MBAS) Pre-Treatment: Surfactant Separation by Sublation Measurement: Spectrophotometric Method	SM 5540 B SM 5540 C
Waste Water	Determination of Hexavalent Chromium (Cr^{6+}) Spectrophotometric Method	SM 3500-Cr B
Water	Sampling for Microbiological Analysis	TS EN ISO 19458
Water	Determination of Secchi Disk Depth/Light Transmittance Disc Method	TS EN ISO 7027-2
Water	Determination of Biochemical Oxygen Demand (BOD) 5 Days BOD Test	SM 5210 D
Water	Determination of Hydrocarbons Pre-Treatment: Soxhlet Extraction Method Measurement: Gravimetric Method	SM 5520 D SM 5520 F
Water	Determination of Chemical Oxygen Demand (COD) Open Reflux-Titrimetric Method	TS 2789
Water	Determination of Color Spectrophotometric Method	TS EN ISO 7887 B
Water	Determination of Free Chlorine Spectrophotometric Method	SM 4500-Cl G
Water	Determination of Bound Chlorine Spectrophotometric Method	SM 4500-Cl G

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.

Accreditation Scope

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T

Revision Nr: 06 Date: 30.09.2024

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Water	Determination of Total Chlorine Spectrophotometric Method	SM 4500-Cl G
Water	Determination of Anions (Bromide, Fluoride, Chloride, Nitrate/Nitrate Nitrogen, Nitrite/Nitrate Nitrogen, Orthophosphate/Phosphate Phosphorus and Sulfate) Ion Chromatography (IC) Method	TS EN ISO 10304-1
Water	Determination of Bromate Ion Chromatography (IC) Method	SM 4110 D
Water	Determination of Aluminium (Al), Antimony (Sb), Arsenic (As), Barium (Ba), Beryllium (Be), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Lithium (Li), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Phosphorus (P), Potassium (K), Selenium (Se), Silver (Ag), Sodium (Na), Strontium (Sr), Thallium (Tl), Tin (S), Vanadium (V) and Zinc (Zn) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	TS EN ISO 15587-1 TS EN ISO 15587-2 TS EN ISO 17294-1 TS EN ISO 17294-2
Water	Determination of Silicon (Si) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	In-House Method-"DTL.59.Rev.No.00" (Modified from TS EN ISO 17294-1 and TS EN ISO 17294-2)
Water	Determination of Titanium (Ti) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	In-House Method-"DTL.59.Rev.No.00" (Modified from TS EN ISO 17294-1 and TS EN ISO 17294-2)
Waste Water	Sampling for Microbiological Analysis	TS EN ISO 19458
Waste Water	Determination of Fish Bioassay (Toxicity Dilution Factor)	Regulation of Water Pollution Control Communique on Sampling and Analysis Methods Annex-1
Waste Water	Determination of Biochemical Oxygen Demand (BOD) 5-Day BOD Test	SM 5210 B
Waste Water	Determination of Hydrocarbons Pre-Treatment: Soxhlet Extraction Method Measurement: Gravimetric Method	SM 5520 D SM 5520 F
Waste Water	Determination of Chemical Oxygen Demand (COD) Open Reflux-Titrimetric Method	TS 2789

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.

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Waste Water	Determination of Color Spectrophotometric Method	SM 2120 C
Waste Water	Determination of Free Chlorine Spectrophotometric Method	SM 4500-Cl G
Waste Water	Determination of Bound Chlorine Spectrophotometric Method	SM 4500-Cl G
Waste Water	Determination of Total Chlorine Spectrophotometric Method	SM 4500-Cl G
Waste Water	Determination of Anions (Bromide, Fluoride, Chloride, Nitrate/Nitrate Nitrogen, Nitrite/Nitrate Nitrogen, Orthophosphate/Phosphate Phosphorus and Sulfate) Ion Chromatography (IC) Method	TS EN ISO 10304-1
Waste Water	Determination of Bromate Ion Chromatography (IC) Method	SM 4110 D
Waste Water	Determination of Aluminium (Al), Antimony (Sb), Arsenic (As), Barium (Ba), Beryllium (Be), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Lithium (Li), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Phosphorus (P), Potassium (K), Selenium (Se), Silver (Ag), Sodium (Na), Strontium (Sr), Thallium (Tl), Tin (S), Vanadium (V) and Zinc (Zn) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	TS EN ISO 15587-1 TS EN ISO 15587-2 TS EN ISO 17294-1 TS EN ISO 17294-2
Waste Water	Determination of Silicon (Si) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	In-House Method-"DTL.59.Rev.No.00" (Modified from TS EN ISO 17294-1 and TS EN ISO 17294-2)
Waste Water	Determination of Titanium (Ti) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	In-House Method-"DTL.59.Rev.No.00" (Modified from TS EN ISO 17294-1 and TS EN ISO 17294-2)
Waste Water	Measurement of Flow Flow Method	In-House Method-"DTL.01.Rev.No.01" (Modified from TS 5699)
Water	Determination of Dissolved Oxygen Optical Probe Method	SM 4500-O H

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.

Accreditation Scope

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T

Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Water	Sampling for *Legionella*	Regulation on Legionnaires' Disease Control Procedures and Principles TS EN ISO 19458
Water	Enumeration of *Legionella* Membrane Filtration Technique	TS EN ISO 11731
Water (Water Systems)	Enumeration of *Legionella* Membrane Filtration Technique	TS EN ISO 11731
Water	Sampling for *Legionella*	Regulation on Legionnaires' Disease Control Procedures and Principles TS EN ISO 19458
Water (Water Systems)	Sampling (Water Sample)	Regulation on Legionnaires' Disease Control Procedures and Principles TS EN ISO 19458
Water (Water Systems)	Sampling (Swab Sample)	Regulation on Legionnaires' Disease Control Procedures and Principles TS EN ISO 19458
Water	Sampling of Drinking Water in Treatment Plants and Piped Distribution Systems	TS ISO 5667-5
Water	Sampling of Precipitation	TS ISO 5667-8
Sea Water	Sampling from Marine Waters	TS ISO 5667-9
Sea Water	Sampling for Microbiological Analysis	TS EN ISO 19458
Water	Enumeration of *Escherichia coli* Membrane Filtration Technique	SM 9222 H
Water	Enumeration of Coliform Bacteria Membrane Filtration Technique	SM 9222 B
Water	Enumeration of Fecal Coliform Membrane Filtration Technique	SM 9222 D
Water	Enumeration of Fecal Enterococci Membrane Filtration Technique	SM 9230 C

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.

Accreditation Scope

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T

Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Waste Water	Enumeration of Coliform Bacteria Membrane Filtration Technique	SM 9222 B
Waste Water	Enumeration of Fecal Coliform Membrane Filtration Technique	SM 9222 D
Waste Water	Enumeration of *Escherichia coli* Membrane Filtration Technique	SM 9222 H
Waste Water	Enumeration of Fecal Enterococci Membrane Filtration Technique	SM 9230 C
Sea Water	Enumeration of Fecal Coliform Membrane Filtration Technique	SM 9222 D
Sea Water	Enumeration of Fecal Enterococci Membrane Filtration Technique	SM 9230 C
Sea Water	Enumeration of *Escherichia coli* Membrane Filtration Technique	SM 9222 H
Sea Water	Enumeration of Coliform Bacteria Membrane Filtration Technique	SM 9222 B
Water	Enumeration of *Pseudomonas aeruginosa* Membrane Filtration Technique	TS EN ISO 16266
Water	Colony Count at 22°C	TS EN ISO 6222
Water	Colony count at 37°C	TS EN ISO 6222
Waste Water	Colony count at 22°C	TS EN ISO 6222
Waste Water	Colony count at 37°C	TS EN ISO 6222
Sea Water	Colony Count at 22°C	TS EN ISO 6222
Sea Water	Colony Count at 37°C	TS EN ISO 6222
Water	Detection and enumeration of the spores of the sulfite-reducing anaerobes *(Clostridia)* Membrane Filtration Technique	TS 8020 EN 26461-2
Water	Enumeration of *Clostridium perfringens* (Including Spores) Membrane Filtration Technique	TS EN ISO 14189

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.

Accreditation Scope

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Sea Water	Determination of pH Electrometric Method	SM 4500-H^+ B
Sea Water	Determination of Conductivity Laboratory Method	SM 2510 B
Sea Water	Determination of Salinity Electrical Conductivity Method	SM 2520 B
Sea Water	Determination of Temperature Laboratory and Field Method	SM 2550 B
Sea Water	Determination of Turbidity Nephelometric Method	SM 2130 B
Sea Water	Determination of Turbidity Measurement: Transparent Test Tube Method Measurement: Disk Method	TS EN ISO 7027-2
Sea Water	Determination of Light Permeability / Seki Disc Depth Measurement: Transparent Test Tube Method Measurement: Disk Method	TS EN ISO 7027-2
Sea Water	Determination of Colour Spectrophotometric Method	SM 2120 C
Sea Water	Determination of Dissolved Oxygen Membrane Electrode Method	SM 4500-O G
Sea Water	Determination of Dissolved Oxygen Optical Probe Method	SM 4500 O H
Sea Water	Determination of Chemical Oxygen Demand (COD) Open Reflux-Titrimetric Method	TS 2789-Annex A
Sea Water	Determination of Degradable Organic Pollutants Respirometric Method	SM 5210 D
Sea Water	Determination of Total Suspended Solids (TSS) Gravimetric Method	SM 2540 D
Sea Water	Determination of Oil and Grease Pre-Treatment: Soxhlet Extraction Method Measurement: Gravimetric Method	SM 5520 D

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.

Accreditation Scope

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Sea Water	Determination of Oil and Grease Pre-Treatment: Solvent Extraction Method Measurement: Gravimetric Method	TS 7887
Water	Determination of Oil and Grease Pre-Treatment: Solvent Extraction Method Measurement: Gravimetric Method	TS 7887
Waste Water	Determination of Oil and Grease Pre-Treatment: Solvent Extraction Method Measurement: Gravimetric Method	TS 7887
Sea Water	Determination of Ammonium / Ammonium Nitrogen Pre-Treatment: Distillation Method Measurement: Spectrophotometric Method	SM 4500-NH_3 B SM 4500-NH_3 F
Sea Water	Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method	SM 4500-NO_2^- B
Sea Water	Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method	TS 6231
Sea Water	Determination of Total Kjeldahl Nitrogen (TKN) Macro Kjeldahl Method	SM 4500-N_{org} B
Sea Water	Determination of Total Nitrogen Calculation Method	SM 4500-Norg B SM 4500-NO_2^- B TS 6231
Sea water	Determinaton of Total Dissolved Inorganic Nitrogen Calculation Method	SM 4500-NO_2^- B SM 4500-NH_3 B SM 4500-NH_3 F TS 6231 SM 4500-Norg B
Sea Water	Determination of Total Phosphorus Pre-Treatment: Extraction 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 Aluminium (Al), Arsenic (As), Copper (Cu), Barium (Ba), Beryllium (Be), Boron (B), Mercury (Hg), Zinc (Zn), Iron (Fe), Phosphorus (P), Cadmium (Cd), Tin (Sn), Cobalt (Co), Chromium (Cr), Lead (Pb), Nickel (Ni), Tin (Sn), Uranium (U), Vanadium (V) Pre-Treatment: Filtration Pre-Treatment: Microwave Acidic Extraction Measurement: ICP-MS Method	TS EN ISO 15587-1 TS EN ISO 15587-2 TS EN ISO 17294-1 TS EN ISO 17294-2

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.

Accreditation Scope

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

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	Determination of Chlorophyll-a Spectrophotometric Method	TS 9092 ISO 10260
Water	Determination of Carbonate and Bicarbonate Titration Method Caculation Method	SM 2320 B SM 4500-CO_2 D
Water	Determination of Total Nitrogen Calculation Method	SM 4500-N_{org} B SM 4500-NO_2^- B TS 6231 TS EN ISO 10304-1
Waste Water	Determination of Total Nitrogen Calculation Method	SM 4500-Norg B SM 4500-NO_2^- B TS 6231 TS EN ISO 10304-1
Water	Determination of Changeable Sodium (Na) Percentage Calculation Method	TS 7739 TS EN ISO 15587-1 TS EN ISO 15587-2 TS EN ISO 17294-1 TS EN ISO 17294-2
Water	Determination of Sodium Adsorption Rate (SAR) Calculation Method	TS 7739 TS EN ISO 15587-1 TS EN ISO 15587-2 TS EN ISO 17294-1 TS EN ISO 17294-2
Water	Determination of Residual Sodium Carbonate (RSC) Index Calculation Method	SM 2320 B TS EN ISO 17294-1 TS EN ISO 17294-2
Waste Water	Determination of Residual Sodium Carbonate (RSC) Index Calculation Method	SM 2320 B TS EN ISO 17294-1 TS EN ISO 17294-2
Water	Calculation of Carbon Dioxide and Its Forms from Alkalinity Calculation Method	SM 4500-CO_2 D SM 2320 B
Water	Determination of Sulphide Spectrophotometric Method	SM 4500 SO32- C
Water	Determination of Sulphide Ion Chromatography (IC) Method	TS EN ISO 10304-3

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.

GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

TÜRKAK
Test
TS EN ISO/IEC 17025
AB-1469-T

Testing Laboratory

Address :
MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye

Phone : +90 232 348 2258
Fax : -
Email : info@gesacevre.com.tr
Website : www.gesacevre.com.tr

Waste Water	Sulphide Determination Spectrophotometric Method	SM 4500 SO_3^{2-} C
Waste Water	Determination of Sulfite Ion Chromatography (IC) Method	TS EN ISO 10304-3
Water	Determination of Oxidation Reduction Potential (ORP) Electrometric Method	SM 2580 B
Waste Water	Determination of Oxidation Reduction Potential (ORP) Electrometric Method	SM 2580 B
Sea Water	Determination of Oxidation Reduction Potential (ORP) Electrometric Method	SM 2580 B
Sea Water	Determination of Hydrocarbon Oil index Pre-Treatment: Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2
Water	Determination of Iron (Fe) Spectrophotometric Method	SM 3500-Fe B
Water	Determination of Aluminum (Al) Spectrophotometric Method	SM 3500-Al B
Water	Determination of Hydrocarbon Oil Index Pre-Treatment: Solvent Extraction Measurement: GC-FID Method	TS EN ISO 9377-2
Water	Determination of Hydrocarbon Oil index Pre-Treatment: Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2
Waste Water	Determination of Hydrocarbon Oil index Pre-Treatment: Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2

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.

Accreditation Scope

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Sea Water	Determination of Hydrocarbon Oil index Pre-Treatment: Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2
Water	Determination of Chlorophyll-a Spectrophotometric Method	TS 9092 ISO 10260
Water	Determination of Volatile Organic Compounds (VOCs) (Bromochloromethane, Bromodichloromethane, Tribromomethane (Bromoform), Tetrachloromethane (Carbontetrachloride), Chloroform, Dibromochloromethane, Dibromomethane, Dichloromethane (Methylene chloride), 1,2-Dibromoethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, 1,2-Dibromo-3-chloropropane, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane,1,1-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, Hexachloro-1,3-butadiene(Hexachlorobutadiene), 1,2,3-Trichloropropane, Benzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene,Ethylbenzene, Isopropylbenzene, 4-Isopropyltoluene, Naphthalene, n-Propylbenzene, Styrene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, o-Xylene, m-Xylene, p-Xylene, Bromobenzene, Chlorobenzene, 2-Chlorotoluene,4-Chlorotoluene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene 1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifl uoromethane, Fluorotrichloromethane(Trichlorofl uoromethane), Vinylchloride, Epichlorohydrin, Acetone, 1-Butanol) Pre-Treatment: Purge & Trap Measurement: GC-MS Method	EPA 5030 C EPA 8260 D
Waste Water	Determination of Volatile Organic Compounds (VOCs) (Bromochloromethane, Bromodichloromethane, Tribromomethane (Bromoform), Tetrachloromethane (Carbontetrachloride), Chloroform, Dibromochloromethane, Dibromomethane, Dichloromethane (Methylene chloride), 1,2-Dibromoethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, 1,2-Dibromo-3-chloropropane, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane,1,1-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, Hexachloro-1,3-butadiene(Hexachlorobutadiene), 1,2,3-Trichloropropane, Benzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene,Ethylbenzene, Isopropylbenzene, 4-Isopropyltoluene, Naphthalene, n-Propylbenzene, Styrene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, o-Xylene, m-Xylene, p-Xylene, Bromobenzene, Chlorobenzene, 2-Chlorotoluene,4-Chlorotoluene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene 1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifl uoromethane, Fluorotrichloromethane(Trichlorofl uoromethane), Vinylchloride, Epichlorohydrin, Acetone, 1-Butanol) Pre-Treatment: Purge & Trap Measurement: GC-MS Method	EPA 5030 C EPA 8260 D

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.

Accreditation Scope

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Sea Water	Determination of Volatile Organic Compounds (VOCs) (Bromochloromethane, Bromodichloromethane, Tribromomethane (Bromoform), Tetrachloromethane (Carbontetrachloride), Chloroform, Dibromochloromethane, Dibromomethane, Dichloromethane (Methylene chloride), 1,2-Dibromoethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, 1,2-Dibromo-3-chloropropane, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane,1,1-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, Hexachloro-1,3-butadiene(Hexachlorobutadiene), 1,2,3-Trichloropropane, Benzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene,Ethylbenzene, Isopropylbenzene, 4-Isopropyltoluene, Naphthalene, n-Propylbenzene, Styrene, Toluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, o-Xylene, m-Xylene, p-Xylene, Bromobenzene, Chlorobenzene, 2-Chlorotoluene,4-Chlorotoluene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene 1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, Chloromethane, Dichlorodifl uoromethane, Fluorotrichloromethane(Trichlorofl uoromethane), Vinylchloride, Epichlorohydrin, Acetone, 1-Butanol) Pre-Treatment: Purge & Trap Measurement: GC-MS Method	EPA 5030 C EPA 8260 D
Water	Determination of Phenols (4-Chloro-3-Methylphenol, 2-Chlorophenol, 2-Methylphenol (o-Cresol), 3-Chlorophenol, 3-Methylphenol (m-Cresol), 4-Methylphenol (p-Cresol), 2,4-Dichlorophenol, 2,6-Dichlorophenol, 2,4-Dimethylphenol 2-Methyl-4,6-dinitrophenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol2,4,6-Trichlorophenol, 4-Chlorophenol) Pre-Treatment: Liquid-Liquid Extraction Pre-Treatment: Silica Gel Cleaning Measurement: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 E
Waste Water	Determination of Phenols (4-Chloro-3-Methylphenol, 2-Chlorophenol, 2-Methylphenol (o-Cresol), 3-Chlorophenol, 3-Methylphenol (m-Cresol), 4-Methylphenol (p-Cresol), 2,4-Dichlorophenol, 2,6-Dichlorophenol, 2,4-Dimethylphenol 2-Methyl-4,6-dinitrophenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol2,4,6-Trichlorophenol, 4-Chlorophenol) Pre-Treatment: Liquid-Liquid Extraction Pre-Treatment: Silica Gel Cleaning Measurement: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 E
Sea Water	Determination of Phenols (4-Chloro-3-Methylphenol, 2-Chlorophenol, 2-Methylphenol (o-Cresol), 3-Chlorophenol, 3-Methylphenol (m-Cresol), 4-Methylphenol (p-Cresol), 2,4-Dichlorophenol, 2,6-Dichlorophenol, 2,4-Dimethylphenol 2-Methyl-4,6-dinitrophenol, 2,4-Dinitrophenol, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol2,4,6-Trichlorophenol, 4-Chlorophenol) Pre-Treatment: Liquid-Liquid Extraction Pre-Treatment: Silica Gel Cleaning Measurement: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 E

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.

Accreditation Scope

Test TS EN ISO/IEC 17025 AB-1469-T	**GESA ZEMİN VE ÇEVRE TEKNOLOJİLERİ LABORATUVAR HİZMETLERİ İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ - GESA ÇEVRE ANALİZ LABORATUVARI** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**
	Testing Laboratory
	Address : MANSUROĞLU MAH. 284/1 SK. NO:10 A BAYRAKLI İzmir / Türkiye Phone : +90 232 348 2258 Fax : - Email : info@gesacevre.com.tr Website : www.gesacevre.com.tr

Water	Determination of Hydrocarbon Oil index Pre-Treatment: Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2
Waste Water	Determination of Hydrocarbon Oil index Pre-Treatment::Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2
Sea Water	Determination of Hydrocarbon Oil index Pre-Treatment: Solvent Extraction Pre-Treatment: Micro Separator Pre-Treatment: Florisil Cleaning Measurement: GC-FID Method	TS EN ISO 9377-2
Water	Determination of Chlorophyll-a Spectrophotometric Method	TS 9092 ISO 10260

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.

TÜRKAK
Test
TS EN ISO/IEC 17025
AB-1469-T

GESA SOIL AND CONSTRUCTION LABORATORY

Accreditation Nr: AB-1469-T
Revision Nr: 06 Date: 30.09.2024

Testing Laboratory

Address :
TACMOR Project Transmitter Site, Elab Village, Ngaraard State, Republic of Palau

Phone : +90 549 540 2090
Fax :
Email :
Website :

Construction Materials, Products and Buildings

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Soils	Determination of Liquid Limit, Plastic Limit, and Plasticity Index	ASTM D4318
Soils	Determining the Amount of Material Finer than 75-µm (No. 200) Sieve	ASTM D1140
Soils	Laboratory Compaction Characteristics of Soil Using Modified Effort	ASTM D1557
Soils - Field Tests	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938
Soils - Field Tests	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D1556 / D1556M
Aggregates	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C136 / C136 M
Aggregates	Standard Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
Aggregates	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88
Aggregates	Determination of Resistance to Fragmentation with Los Angeles Test	ASTM C131 / C131 M
Aggregates	Determining the Percentage of Fractured Particles in Coarse Aggregate	ASTM D5821
Aggregates	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	ASTM C142 / C142 M
Aggregates	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127
Aggregates	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	ASTM C128
Aggregates	Standard Test Method for Potential Alkali Reactivity of Aggregates (Accelerated Mortar Bar Method)	ASTM C1260
Aggregates	Standard Test Method for Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	ASTM C1567
Concrete	Air Content of Freshly Mixed Concrete by the Pressure Method	ASTM C231/C231M
Concrete	Compressive Strength of Cylindrical Concrete Specimens	ASTM C39/C39M

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.

Accreditation Scope

TÜRKAK Test TS EN ISO/IEC 17025 AB-1469-T	**GESA SOIL AND CONSTRUCTION LABORATORY** **Accreditation Nr: AB-1469-T** **Revision Nr: 06 Date: 30.09.2024**	
	Testing Laboratory	
	Address : TACMOR Project Transmitter Site, Elab Village, Ngaraard State, Republic of Palau	Phone : +90 549 540 2090 Fax : Email : Website :

Concrete	Standard Test Method Instruction for Flexural Strength Concrete (Third Point Loading)	ASTM C 78
Fresh Concrete	Standard Test Method for Slump of Hydraulic-Cement Concrete	ASTM C143/143 M

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.