



TURKISH ACCREDITATION AGENCY

## ACCREDITATION CERTIFICATE

As a Testing Laboratory,

### AZECOLAB TESTING LABORATORY

Salyan highway 32, Sabail District, street 5 1143 BAKÜ /  
AZERBAIJAN

is **accredited** in accordance with TS EN ISO/IEC 17025:2012 standard within the scope given in Annex following the assessment conducted by **TURKAK**.

**Accreditation Number** : AB-0469-T

**Accreditation Date** : 21 October 2011

**Revision Date / Number** : 26 September 2018 / 06

This certificate shall remain in force until **16 February 2020**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2012**, related regulations and requirements.




**Kadir Kayihan CABIOĞLU**  
Deputy 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.

## Akreditasyon Sertifikası Eki (Sayfa 1/32)

### Akreditasyon Kapsamı


 Test TS EN ISO IEC 17025 AB-0469-T	<b>AZECOLAB TESTING LABORATORY</b>	
	Akreditasyon No: AB-0469-T Revizyon No: 06 Tarih: 26.09.2018	
<b>Deney Laboratuvarı</b>		
<b>Adresi :</b> Salyan highway 32, Sabail District, street 5 1143 BAKÜ/AZERBAYCAN	<b>Tel</b> : Tel: +99412 3100200/3100300 (+227) <b>Faks</b> : +994 12 310 0300 <b>E-Posta</b> : contact@azecolab.com <b>Website</b> : www.azecolab.com	

Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Water	Water sampling of drinking water from treatment works and piped distribution systems	ISO 5667-5
Water	Ground Water Sampling	ASTM D 4448-01
Water	Surface Water Sampling	EPA Field Sampling Guidance Document 1225
Water	Deep Water Sampling	EPA Field Sampling Guidance Document 1225
Water	Water Sampling for Microbiological Analysis	SM 9060
Water	Determination of Temperature Laboratory and Field Method	EPA 170.1
Water	Determination of pH Value Electrometric Method	ASTM D 1293
Water	Determination of Conductivity Electrode Method	EPA 120.1
Water	Determination of Dissolved Oxygen Luminescent Method	ASTM D888
Water	Determination of Turbidity Nephelometric Method	EPA 180.1
Water	Determination of Anions (Sulphate, Chloride, Nitrate, Nitrite, Fluoride, Bromide) Ion Chromatography Method	ASTM D 4327
Water	Determination of Total Dissolved Solids (TDS) Gravimetric Method	EPA 160.1
Water	Determination of Total Chlorine Spectrometric Method	SM 4500-Cl G
Water	Determination of Color Spectrometric Method	SM 2120 C



## Akreditasyon Sertifikası Eki (Sayfa 2/32)

### Akreditasyon Kapsamı


 <p>TÜRKAK Test TS EN ISO/IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Water	Determination of Alkalinity Titrimetric Method	SM 2320 B
Water	Determination of Hardness EDTA Titrimetric Method	SM 2340 C
Water	Determination of Chlorinated Pesticides (Aldrin, $\alpha$ -BCH, $\beta$ -BCH, $\delta$ -BCH, $\gamma$ -BCH, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Endosulfan sulfate, Endrin aldehyde, Heptachlor, Heptachlor epoxide, Toxaphene) Preparation: Liquid-Liquid Extraction Analysis: GC/ECD Method	EPA 3510 C EPA 8081 B
Water	Determination of Poliklorlubifenils (PCBs) (5, 18, 31, 44, 52, 87 101, 110, 138, 141, 151, 153, 170, 180, 183, 187, 206) Preparation: Liquid-Liquid Extraction Analysis: GC/ECD Method	EPA 3510C EPA 8082 A
Water	Determination of Surfactant (MBAS) Spectrometric Method	SM 5540 C
Water	Determination of Total Suspended Solids (TSS) Gravimetric Method	EPA160.2
Water	Determination of Total Solids (TS) Gravimetric Method	EPA160.3
Water	Determination of Phenols Compounds Spectrometric Method	ASTM D1783 A
Water	Determination of Metals: Antimony(Sb), Cadmium(Cd), Calcium(Ca),Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Magnesium(Mg), Manganese(Mn), Nickel(Ni), Potassium(K), Silver(Ag), Sodium(Na), Strontium(Sr), Thallium(Tl), Zinc(Zn) Preparation: Microwave Assisted Acid Digestion Analysis: Flame Atomic Absorption Spectrometric Method	EPA3015A EPA7000B



## Akreditasyon Sertifikası Eki (Sayfa 3/32)

### Akreditasyon Kapsamı


	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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<b>Deneyi Yapılan Malzemeler / Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)</b>
Water	Determination of Metals: Antimony(Sb), Arsenic(As), Barium(Ba), Beryllium(Be), Cadmium(Cd), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Manganese(Mn), Molybdenum(Mo), Nickel(Ni), Selenium(Se), Silver(Ag), Thallium(Tl), Vanadium(V) Preparation: Microwave Assisted Acid Digestion Analysis: Graphite Furnace Atomic Absorption Spectrophotometry Method	EPA3015A EPA7010
Water	Determination of Mercury (Hg) Preparation: Microwave Assisted Acid Digestion Analysis: Cold Vapor Atomic Absorption Spectrometric Method	EPA3015A EPA245.1
Water	Determination of Metals: Aluminum(Al), Antimony(Sb), Arsenic(As), Barium(Ba), Beryllium(Be), Cadmium(Cd), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Nickel(Ni), Potassium(K), Selenium(Se), Silver(Ag), Sodium(Na), Strontium(Sr), Seleniun(Se), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B) Preparation: Microwave Assisted Acid Digestion Analysis: ICP-MS Method	EPA3015A EPA6020B
Water	Determination of Total Oil and Grease (TOG) & Total Petroleum Hydrocarbons(TPH) Preparation: Liquid-Liquid Extraction Analysis: Infrared Method (HATR-T2)	In house Method SOP4211/Rev10 (InfraCal TOG/TPH Analyzer HATR-T2 User's Guide)



## Akreditasyon Sertifikası Eki (Sayfa 4/32)

### Akreditasyon Kapsamı


 <p>TÜRKAK Test TS EN ISO IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Water	Determination of Total Oil and Grease (TOG) and Non Polar Material Preparation: Liquid-Liquid Extraction Analysis: Gravimetric Method	EPA 1664 B
Water	Determination of Volatile Organic Compounds (VOC): Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, Dibromochloromethane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, Ethylbenzene, Hexachlorobutadiene, Methylene chloride, Naphthalene, Styrene, Trichloroethene, 1,1,1,2-Tetrachloroethane, Toluene, 1,1,1,2-Tetrachloroethane, Tetrachloroethene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichlorofluoromethane, 1,2,3-Trichloropropane, Vinyl chloride, o-Xylene, m-Xylene, p-Xylene Preparation: Headspace Method Analysis: GC/MS Method	EPA 8260 C EPA 5021 A
Water	Determination of Total Organic Carbon (TOC)/ Dissolved Organic Carbon (DOC) High-Temperature Combustion Method	SM 5310 B
Water	Determination of Biochemical Oxygen Demand (BOD) Respirometric Method	SM5210D
Water	Determination of Biochemical Oxygen Demand (BOD) 5-Day BOD Test	SM5210B



## Akreditasyon Sertifikası Eki (Sayfa 5/32)

### Akreditasyon Kapsamı

	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Water	Determination of Biochemical Oxygen Demand (BOD) Ultimate BOD Test	SM5210C
Water	Determination Permanganate Index Titrimetric Method	ISO 8467-1993
Water	Determination of Radionuclides Gamma Spectrometer Method	EPA 901.1
Water	Determination of Salinity Electrical Conductivity Method	SM 2520 B
Water	Determination of Phosphate/Phosphate Phosphorus Spectrometric method	ISO 6878
Water	Determination of Total Phosphorus Spectrometric method	ISO 6878
Water	Determination of Nitrite/Nitrite Nitrogen Spectrometric Method	SM 4500-NO <sub>2</sub> B
Water	Determination of Nitrate/Nitrate Nitrogen Spectrometric Method	SM 4500-NO <sub>3</sub> E
Water	Determination of Total Nitrogen Oxidation Method	SM 4500-N C
Water	Determination of Ammonium/Ammonium Nitrogen Spectrometric Method	SM 4500-NH <sub>3</sub> F
Water	Determination of Silica Spectrometric Method	ASTM D859
Water	Determination of Total Petroleum Hydrocarbons(TPH) (C9-C18 Aliphatics, C19-C36 Aliphatics, C11-C22 Aromatics) Total All Fractions (C10-C40 TPH) Preparation1: Liquid-liquid extraction Preparation2: Silica Gel Clean-Up Analysis: GC/FID Method	EPA 3510C EPA 3630C MADEP-2004
Water	Determination of Free Cyanide Weak Acid Dissociable Method	ASTM D 2036-09 C



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## Akreditasyon Sertifikası Eki (Sayfa 6/32)

### Akreditasyon Kapsamı


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<b>Deneyi Yapılan Malzemeler / Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)</b>
Water	Determination of Total Cyanide Preparation. Distillation Analysis: Weak Acid Dissociable Method	ASTM D 2036-09 A ASTM D 2036-09 C
Water	Determination of Poly Aromatic, Hydrocarbons (PAH): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)pyrene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene Preparation1: Liquid-Liquid Extraction Preparation2:Silica Gel Clean-Up Analysis: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 D
Water	Determination of Hexavalent Chromium Spectrometric Method	ASTMD1687 A
Water	Enumeration of Escherichia coli (E. coli) and Coliform Bacteria Membrane filtration technique	ISO 9308-1
Water	Enumeration of Escherichia coli (E. coli) and Coliform Bacteria Most probable number method	ISO 9308-2
Water	Determination of Total Plate Count Pour Plate technique	SM 9215 B
Water	Detection and Enumeration of Legionella	EN ISO 11731
Water	Detection and Enumeration of Fecal Entrococci Membrane filtration technique	SM 9230 C
Water	Detection and Enumeration of Fecal Entrococci Most probable number method	ASTM D6503-99
Water	Enumeration of Pseudomonas aeruginosa Membrane filtration technique	SM 9213 E
Waste water	Waste water Sampling	ISO 5667-10



## Akreditasyon Sertifikası Eki (Sayfa 7/32)

### Akreditasyon Kapsamı

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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Waste water	Determination of Temperature Laboratory and Field Method	EPA 170.1
Waste water	Determination of pH Value Electrometric Method	ASTM D1293
Waste water	Determination of Conductivity Electrode Method	EPA 120.1
Waste water	Determination of Dissolved Oxygen Luminescent Method	ASTM D888
Waste water	Determination of Turbidity Nephelometric Method	EPA 180.1
Waste water	Determination of Anions (Sulphate, Chloride, Nitrate, Nitrite, Fluoride, Bromide) Ion Chromatography Method	ASTM D 4327
Waste water	Determination of Total Dissolved Solids (TDS) Gravimetric Method	EPA 160.1
Waste water	Determination of Total Chlorine Spectrometric Method	SM 4500-Cl G
Waste water	Determination of Color Spectrometric Method	SM 2120 C
Waste Water	Determination of Chlorinated Pesticides Aldrin, $\alpha$ -BCH, $\beta$ -BCH, $\delta$ -BCH, $\gamma$ -BCH, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Endosulfan sulfate, Endrin aldehyde, Heptachlor, Heptachlor epoxide, Toxaphene Preparation: Liquid-Liquid Extraction Analysis: GC/ECD Method	EPA 3510 C EPA 8081 B
Waste Water	Determination of Poliklorlubifenils (PCBs) (5, 18, 31, 44, 52, 87 101, 110, 138, 141, 151, 153, 170, 180, 183, 187, 206) Preparation: Liquid-Liquid Extraction Analysis: GC/ECD Method	EPA 3510C EPA 8082 A
Waste water	Determination of Surfactant (MBAS) Spectrometric Method	SM 5540 C





## Akreditasyon Sertifikası Eki (Sayfa 8/32)

### Akreditasyon Kapsamı


 <p>TÜRKAK TSE EN ISO/IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Waste water	Determination of Total Suspended Solids (TSS) Gravimetric Method	EPA160.2
Waste water	Determination of Total Solids (TS) Gravimetric Method	EPA160.3
Waste water	Determination of Chemical Oxygen Demand (COD) Closed Reflux-Spectrometric Method	ASTM D1252 B
Waste water	Determination of Phenols Compounds Spectrometric Method	ASTM D1783 A
Waste water	Determination of Metals: Antimony(Sb), Cadmium(Cd), Calcium(Ca), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Magnesium(Mg), Manganese(Mn), Nickel(Ni), Potassium(K), Silver(Ag), Sodium(Na), Strontium(Sr), Thallium(Tl), Zinc(Zn) Preparation: Microwave Assisted Acid Digestion Analysis: Flame Atomic Absorption Spectrometric Method	EPA3015A EPA7000B
Waste water	Determination of Metals: Antimony(Sb), Arsenic(As), Barium(Ba), Beryllium(Be), Cadmium(Cd), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Manganese(Mn), Molybdenum(Mo), Nickel(Ni), Selenium(Se), Silver(Ag), Thallium(Tl), Vanadium(V) Preparation: Microwave Assisted Acid Digestion Analysis: Graphite Furnace Atomic Absorption Spectrophotometry Method	EPA3015A EPA7010
Waste water	Determination of Mercury (Hg) Preparation: Microwave Assisted Acid Digestion Analysis: Cold Vapor Atomic Absorption Spectrometric Method	EPA3015A EPA245.1



## Akreditasyon Sertifikası Eki (Sayfa 9/32)

### Akreditasyon Kapsamı

	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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<b>Deneyi Yapılan Malzemeler / Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)</b>
Waste water	Determination of Metals: Aluminum(Al), Antimony(Sb), Arsenic(As), Barium(Ba), Beryllium(Be), Cadmium(Cd), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Nickel(Ni), Potassium(K), Selenium(Se), Silver(Ag), Sodium(Na), Strontium(Sr), Seleniun(Se), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B) Preparation: Microwave Assisted Acid Digestion Analysis: ICP-MS Method	EPA3015A EPA6020B
Waste water	Determination of Total Oil and Grease (TOG) & Total Petroleum Hydrocarbons(TPH) Preparation: Liquid-Liquid Extraction Analysis: Infrared Method (HATR-T2)	In house Method SOP4211/Rev10 (InfraCal TOG/TPH Analyzer HATR-T2 User's Guide)
Waste water	Determination of Total Oil and Grease (TOG) and Non Polar Materyal Preparation: Liquid-Liquid Extraction Analysis: Gravimetric Method	EPA1664B



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## Akreditasyon Sertifikası Eki (Sayfa 10/32)

### Akreditasyon Kapsamı

	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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<b>Deneyi Yapılan Malzemeler / Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)</b>
Waste water	Determination of Volatile Organic Compounds (VOC) (Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, Dibromochloromethane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, Ethylbenzene, Hexachlorobutadiene, Methylene chloride, Naphthalene, Styrene, Trichloroethene, 1,1,1,2-Tetrachloroethane, Toluene, 1,1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichlorofluoromethane, 1,2,3-Trichloropropane, Vinyl chloride, o-Xylene, m-Xylene, p-Xylene) Preparation: Headspace Method Analysis: GC/MS Method	EPA 8260C EPA 5021A
Waste water	Determination of Total Organic Carbon (TOC)/ Dissolved Organic Carbon (DOC) High-Temperature Combustion Method	SM 5310B
Waste water	Determination of Biochemical Oxygen Demand (BOD) Respirometric Method	SM 5210D
Waste water	Determination of Biochemical Oxygen Demand (BOD) 5-Day BOD Test	SM 5210B
Waste water	Determination of Biochemical Oxygen Demand (BOD) Ultimate BOD Test	SM 5210C



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## Akreditasyon Sertifikası Eki (Sayfa 11/32)

### Akreditasyon Kapsamı

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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Waste water	Determination of Radionuclides Gamma Spectrometer Method	EPA 901.1
Waste water	Determination of Phosphate/Phosphate Phosphorus Spectrometric method	ISO 6878
Waste water	Determination of Total Phosphorus Spectrometric Method	ISO 6878
Waste water	Determination of Nitrite/Nitrite Nitrogen Spectrometric Method	SM 4500-NO <sub>2</sub> B
Waste water	Determination of Nitrate/Nitrate Nitrogen Spectrometric Method	SM 4500-NO <sub>3</sub> E
Waste water	Determination of Total Nitrogen Oxidation Method	SM 4500-N C
Waste water	Determination of Ammonium/Ammonium Nitrogen Spectrometric Method	SM 4500-NH <sub>3</sub> F
Waste water	Determination of Silica Spectrometric Method	ASTM D859
Waste water	Determination of Total Petroleum Hydrocarbons(TPH) (C9-C18 Aliphatics, C19-C36 Aliphatics, C11-C22 Aromatics) Total All Fractions (C10-C40 TPH) Preparation1: Liquid-liquid extraction Preparation2: Silica Gel Clean-Up Analysis: GC/FID Method	EPA 3510C EPA 3630C MADEP-2004
Waste water	Determination of Free Cyanide Weak Acid Dissociable Method	ASTM D 2036-09 C
Waste water	Determination of Total Cyanide Preparation. Distillation Analysis: Weak Acid Dissociable Method	ASTM D 2036-09 A ASTM D 2036-09 C



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## Akreditasyon Sertifikası Eki (Sayfa 12/32)

### Akreditasyon Kapsamı


 <p>TÜRKAK Testi TS EN ISO IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Waste water	Determination of Poly Aromatic, Hydrocarbons (PAH): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene Preparation1: Liquid-Liquid Extraction Preparation2:Silica Gel Clean-Up Analysis: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 D
Waste water	Determination of Hexavalent Chromium Spectrometric Method	ASTMD1687 A
Waste water	Enumeration of Escherichia coli (E. coli) and Coliform Bacteria Most probable number method	ISO 9308-2
Sea water	Determination of Total Suspended Solids (TSS) Gravimetric Method	EPA 160.2
Sea water	Determination of Biochemical Oxygen Demand (BOD) Respirometric Method	SM 5210 D
Sea water	Determination of Phenols Compounds Spectrometric Method	ASTM D1783 A
Sea water	Determination of Metals: Antimony(Sb), Cadmium(Cd), Calcium(Ca),Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Magnesium(Mg), Manganese(Mn), Nickel(Ni), Potassium(K), Silver(Ag), Sodium(Na), Strontium(Sr), Thallium(Tl), Zinc(Zn) Preparation: Microwave Assisted Acid Digestion Analysis: Flame Atomic Absorption Spectrometric Method	EPA 3015A EPA 7000B



## Akreditasyon Sertifikası Eki (Sayfa 13/32)

### Akreditasyon Kapsamı


 <p>TÜRKAK Test TS EN ISO IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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<b>Deneyi Yapılan Malzemeler / Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)</b>
Sea water	Determination of Metals: Antimony(Sb), Arsenic(As), Barium(Ba), Beryllium(Be), Cadmium(Cd), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Manganese(Mn), Molybdenum(Mo), Nickel(Ni), Selenium(Se), Silver(Ag), Thallium(Tl), Vanadium(V) Preparation: Microwave Assisted Acid Digestion Analysis: Graphite Furnace Atomic Absorption Spectrophotometry Method	EPA 3015A EPA 7010
Sea water	Determination of Mercury (Hg) Preparation: Microwave Assisted Acid Digestion Analysis: Cold Vapor Atomic Absorption Spectrometric Method	EPA 3015A EPA 245.1
Sea water	Determination of Metals: Aluminum(Al), Antimony(Sb), Arsenic(As), Barium(Ba), Beryllium(Be), Cadmium(Cd), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Nickel(Ni), Potassium(K), Selenium(Se), Silver(Ag), Sodium(Na), Strontium(Sr), Seleniun(Se), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B) Preparation: Microwave Assisted Acid Digestion Analysis: ICP-MS Method	EPA3015A EPA6020B
Sea water	Determination of Salinity Electrical Conductivity Method	SM 2520 B
Sea water	Determination of Total Organic Carbon TOC / Dissolved Organic Carbon (DOC) High-Temperature Combustion Method	SM 5310 B



## Akreditasyon Sertifikası Eki (Sayfa 14/32)

### Akreditasyon Kapsamı


 <p>TÜRKAK Test TS EN ISO IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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<b>Deneyi Yapılan Malzemeler / Ürünler</b>	<b>Deney Adı</b>	<b>Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)</b>
Sea water	Determination of Phosphate/Phosphate Phosphorus Spectrometric method	ISO 6878
Sea water	Determination of Total Phosphorus Spectrometric Method	ISO 6878
Sea water	Determination of Nitrite/Nitrite Nitrogen Spectrometric Method	SM 4500-NO <sub>2</sub> B
Sea water	Determination of Nitrate/Nitrate Nitrogen Spectrometric Method	SM 4500-NO <sub>3</sub> E
Sea water	Determination of Total Nitrogen Oxidation Method	SM 4500-N C
Sea water	Determination of Ammonium/Ammonium Nitrogen Spectrometric Method	SM 4500-NH <sub>3</sub> F
Sea water	Determination of Silica Spectrometric Method	ASTM D859
Sea water	Determination of Total Petroleum Hydrocarbons(TPH) (C9-C18 Aliphatics, C19-C36 Aliphatics, C11-C22 Aromatics) Total All Fractions (C10-C40 TPH) Preparation1: Liquid-liquid extraction Preparation2: Silica Gel Clean-Up Analysis: GC/FID Method	EPA 3510C EPA 3630C MADEP-2004
Sea water	Determination of Free Cyanide Weak Acid Dissociable Method	ASTM D 2036-09 C
Sea water	Determination of Total Cyanide Preparation. Distillation Analysis: Weak Acid Dissociable Method	ASTM D 2036-09 A ASTM D 2036-09 C



# Akreditasyon Sertifikası Eki (Sayfa 15/32)

## Akreditasyon Kapsamı

 <p>TÜRKAK Test TS EN ISO IEC 17025 AB-0469-T</p>	<p style="text-align: center;"><b>AZECOLAB TESTING LABORATORY</b></p> <p style="text-align: center;"><b>Akreditasyon No: AB-0469-T</b> <b>Revizyon No: 06 Tarih: 26.09.2018</b></p>
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Deneyi Yapılan Malzemeler / Ürünler	Deney Adı	Deney Metodu (Ulusal, Uluslararası standartlar, işletme içi metodlar)
Sea water	Determination of Poly Aromatic, Hydrocarbons (PAH): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene Preparation1: Liquid-Liquid Extraction Preparation2:Silica Gel Clean-Up Analysis: GC-MS Method	EPA 3510 C EPA 3630 C EPA 8270 D
Sea water	Enumeration of Escherichia coli (E. coli) and Coliform Bacteria Most probable number method	ISO 9308-2
Sea water	Zooplankton Toxicity Test LC50 Counting Method	ISO 14669
Sea water	Phytoplankton Toxicity Test EC50 Counting Method	ISO 10253
Soil	Soil Sampling	EPA/600/R-92/128
Soil	Asbestos Sampling	HSG264
Soil	Determination of Metals: Cadmium(Cd), Calcium(Ca), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Lead(Pb), Magnesium(Mg), Manganese(Mn), Nickel(Ni), Potassium(K), Silver(Ag), Sodium(Na), Strontium(Sr), Thallium(Tl), Zinc(Zn) Preparation: Microwave Assisted Acid Digestion Analysis: Flame Atomic Absorption Spectrometric Method	EPA 3051A EPA 7000B

