



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

AZECOLAB COMPANY LLC

Central Address: Salyan Highway 32, Sabail District Baku / Azerbaijan

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-0469-T

Accreditation Date : 21.10.2011

Revision Date / Number : 24.01.2025 / 12


This certificate shall remain in force until **15.02.2028**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General





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

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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|  <p>TürkAK TS EN ISO/IEC 17025 AB-0469-T</p> | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
| | Testing Laboratory Address : Salyan Highway 32, Sabail District Baku / Azerbaijan Phone : +99 412 310 0200 Fax : - Email : ellada.aliyeva@azecolab.com Website : https://www.azecolab.com/ | |

| Environmental Tests | | |
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| Tested Materials / Products | Name of Test | Testing Method (National, International Standards, In-house Methods) |
| Water | Sampling of Drinking Water from Treatment Works and Piped Distribution Systems | ISO 5667-5 |
| Water | Sampling of Groundwaters | ASTM D4448-01 |
| Water | Determination of Temperature Laboratory and Field Method | EPA 170.1 |
| Water | Determination of pH Electrometric Method | ASTM D1293 |
| Water | Determination of Conductivity Electrometric Method | EPA 120.1 |
| Water | Determination of Turbidity Nephelometric Method | EPA 180.1 |
| Water | Determination of Sulfate, Chloride, Nitrate, Nitrite, Fluoride, Bromide Ion Chromatography Method | ASTM D4327 |
| Water | Determination of Total Dissolved Solid Material Gravimetric Method | EPA 160.1 |
| Water | Determination of Total Chlorine Colorimetric Method | SM 4500 Cl G |
| Water | Determination of Color Spectrophotometric Method | SM 2120 C |
| Water | Determination of Alkalinity Titrimetric Method | SM 2320 B |
| Water | Determination of Hardness EDTA Titrimetric Method | SM 2340 C |


Accreditation Scope

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|  TÜRKAK  <small>Test</small> <small>TS EN ISO/IEC 17025</small> <small>AB-0469-T</small> | AZECOLAB COMPANY LLC <small>Accreditation Nr: AB-0469-T</small> <small>Revision Nr: 12 Date: 24.01.2025</small> | |
| | Testing Laboratory | |
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| Water | Determination of Chlorinated Pesticides (Aldrin, α -BCH, β -BCH, δ -BCH, γ -BCH, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Endosulfan sulfate, Endrin aldehyde, Heptachlor, Heptachlor epoxide) | EPA 3510 C EPA 3630 C EPA 3660 B EPA 8081 B |
| | Pretreatment: Liquid-Liquid Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-ECD Method | |
| Water | Determination of Polychlorinated Biphenyls (PCBs) (5, 18, 31, 44, 52,66, 87 101, 110, 138, 141, 151, 153, 170, 180, 183, 187, 206) | EPA 3510 C EPA 3630 C EPA 8082 A EPA 3665 A EPA 3660 B |
| | Pretreatment: Liquid-Liquid Extraction Pretreatment: Sulfuric Acid Permanganate Cleanup Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-ECD Method | |
| Water | Determination of Surfactant (MBAS) | SM 5540 B SM 5540 C |
| | Pretreatment: Separation with Sublation Apparatus Measurement: Spectrophotometric Method | |
| Water | Determination of Total Suspended Solids (TSS) Gravimetric Method | EPA 160.2 |
| Water | Determination of Total Solids Gravimetric Method | EPA 160.3 |
| Water | Determination of Chemical Oxygen Demand (COD) Closed Reflux-Spectrophotometric Method | ASTM D1252 B |
| Water | Determination of Phenol Compounds Spectrophotometric Method | ASTM D1783A |
| Water | Determination of 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), Lithium (Li), Strontium (Sr), Thallium (Tl), Zinc (Zn) | EPA 3015 A EPA 7000 B |
| | Preparation: Microwave Assisted Acid Digestion Analysis: Flame Atomic Absorption Spectrophotometric Method | |
| Water | Determination of Mercury (Hg) Preparation: Microwave Assisted Acid Digestion Analysis: Cold Vapor Atomic Absorption Spectrophotometric Method | EPA 245.1 EPA 3015 A |
| Water | Determination of 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), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B) | EPA 3015 A EPA 6020 B |
| | Preparation: Microwave Assisted Acid Digestion Analysis: ICP-MS Method | |


Accreditation Scope

|  TÜRKAK Test TS EN ISO/IEC 17025 AB-0469-T | | | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
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| Testing Laboratory | | | | |
| Address : | | Phone : +99 412 310 0200 | | |
| Salyan Highway 32, Sabail District Baku / Azerbaijan | | Fax : - | | |
| | | Email : ellada.aliyeva@azecolab.com | | |
| | | Website : https://www.azecolab.com/ | | |
| 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 (Rev. no: 16) (InfraCal TOG/TPH Analyzer HATR-T2 User's Guide used as reference) | | |
| Water | Determination of Oil and Grease Preparation: Solvent Extraction Method Analysis: Gravimetric Method | EPA 1664 B | | |
| Water | Determination of Volatile Organic Compounds (VOC's) 1,1-Dichloroethene, MTBE, trans-1,2-Dichloroethene, n-Hexane, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2,2-Dichloropropane, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, 1,1-Dichloropropene, Carbon tetrachloride, Benzene, n-Heptane, Trichloroethene, 1,2-Dichloropropane, Dibromomethane, Bromodichloromethane, cis-1,3-Dichloropropene, Toluene, n-Octane, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 1,3-Dichloropropane, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, 1,1,1,2-Tetrachloroethane, Ethylbenzene, M+p-Xylene, n-Nonane, o-Xylene, Styrene, Bromoform, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, Bromobenzene, 1,2,3-Trichloropropane, n-Propylbenzene, 2-Chlorotoluene, 1,3,5-Trimethylbenzene, n-Decane, 4-Chlorotoluene, Tert-Butylbenzene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, 1,3-Dichlorobenzene, p-Isopropyltoluene, 1,4-Dichlorobenzene, n-Butylbenzene, 1,2-Dichlorobenzene, n-Undecane, 1,2-Dibromo-3-chloropropane, n-Dodecane, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene Pretreatment: Headspace Method Measurement: GC-MS Method | EPA 5021 A EPA 8260 D | | |
| 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 | SM 5210 D | | |
| Water | Determination of Biochemical Oxygen Demand (BOD) 5-Day BOD Test | SM 5210 B | | |
| Water | Determination of Permanganate Index Titrimetric Method | ISO 8467 | | |
| Water | Determination of Salinity Electrical Conductivity Method | SM 2520 B | | |
| Water | Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method | ISO 6878 | | |
| Water | Determination of Total Phosphorus Spectrophotometric Method | ISO 6878 | | |
| Water | Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method | SM 4500-NO ₂ ⁻ B | | |


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| | | Website | https://www.azecolab.com/ | |
| Water | Determination of Nitrate/Nitrate Nitrogen Spectrophotometric Method | | SM 4500-NO ₃ ⁻ E | |
| Water | Determination of Total Nitrogen Pretreatment: Persulfate Method Measurement: Spectrophotometric Method | | SM 4500-N C | |
| Water | Determination of Silica Spectrophotometric Method | | ASTM D859 | |
| Water | Determination of Total Petroleum Hydrocarbons(TPH) (C9-C18 Aliphatics, C19-C36 Aliphatics, C11-C22 Aromatics) Total All Fractions (C9-C36 TPH) Preparation1: Liquid-Liquid Extraction Preparation2: Silica Gel Clean-Up Analysis: GC/FID Method | | EPA 3510 C EPA 3630 C MADEP-2019 | |
| 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/FID Method | | EPA 3510 C EPA 3630 C EPA 8270 E | |
| Water | Determination of Chromium (VI) Spectrophotometric Method | | ASTM D1687 A | |
| Water | Enumeration of <i>Escherichia coli</i> Membrane Filtration Technique | | ISO 9308-1 | |
| Water | Enumeration of Coliform Bacteria Membrane Filtration Technique | | ISO 9308-1 | |
| Water | Enumeration of <i>Escherichia coli</i> Most Probable Number Technique | | ISO 9308-2 | |
| Water | Enumeration of Coliform Bacteria Most Probable Number Technique | | ISO 9308-2 | |
| Water | Heterotrophic Colony Count Pour Plate Technique | | SM 9215 B | |
| Water | Enumeration of <i>Legionella</i> Membrane Filtration Technique | | ISO 11731 | |
| Water | Enumeration of <i>Fecal Enterococcus</i> Membrane Filtration Technique | | SM 9230 C | |
| Water | Enumeration of <i>Fecal Entrococci</i> Most Probable Number Technique | | ASTM D6503-19 | |
| Water | Enumeration of <i>Pseudomonas aeruginosa</i> Membrane Filtration Technique | | SM 9213 E | |



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| Water | Determination of Phenols (Phenol, 4-Chloro-3-methylphenol, Pentachlorophenol, 2,4-Dimethylphenol, 3-Methylphenol (m-cresol)) Preparation: Solid Phase Extraction Analysis: GC/MS Method | EPA 528 | | |
| Water | Determination of Phenol and Phenol Compounds (o-Cresol, 2,4-Dichlorophenol) Pretreatment: Solid Phase Extraction Analysis: GC-MS Method | EPA 528 | | |
| Water | Determination of Nitrite Semi-Automated Colorimetric Method | In-house Method SOP1920 (Rev. no: 05) (Modified Standard SM 4500 NO ₂ B) | | |
| Water | Determination of Ammonium Nitrogen Preparation: Distillation Analysis: Semi-Automated Colorimetric Method | ISO 7150-1 | | |
| Water | Determination of Cyanide by Semi-automatic spectrometry Preparation: Free Cyanide- Microdiffusion WAD and Total Cyanide-reflux distillation | Determination: EPA 335.4 Microdiffusion: ASTM D4282 Reflux distillation: ASTM D 2036A,C | | |
| Water | Determination of Sulfide Ion Selective Electrode Method | ASTM D4658 | | |
| Water | Determination of Bromate IC Method | ASTM D6581 | | |
| Water | Determination of Silver(Ag), Aluminum(Al), Arsenic(As), Boron(B), Barium(Ba), Beryllium(Be), Bismuth (Bi), Calcium(Ca), Cadmium(Cd), Cobalt(Co), Chromium(Cr), Copper(Cu), Iron(Fe), Gallium(Ga), Potassium(K), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Sodium(Na), Nickel(Ni), Phosphorus(P), Lead(Pb), Tin(Sn), Strontium(Sr), Titanium(Ti), Vanadium(V), Tungsten(W), Zinc(Zn), Zirconium(Zr), Preparation: Microwave Assisted Acid Digestion Analysis: ICP-OES Method | EPA 3015A ISO 11885 | | |
| Water | Sampling of Lakes, Natural and Man-Made | ISO 5667-4 | | |
| Water | Determination of Semi-Volatile Organic Compounds (SVOCs) α-HCH, β-HCH, δ-HCH, γ-HCH (Lindane), 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, Endosulfan I, Endosulfan II, Endosulfan Solute, Dieldrin, Endrin, Pentachlorophenol, Chlorothalonil, Acetochlor, Heptachlor, Dacthal (DCPA), Heptachlor epoxide, Trans-Chlordane, cis-Chlordane, Trans-Nonachlor, cis-Permethrin, Trans-Permethrin, Atraton, Atrazine, Propazine, Metribuzin, Simetryn, Ametryn, Prometryn, Prometryn, Prometryn, Terbutryn (Prebane), Hexazinone, S-Ethyl dipropylthiocarbamate (EPTC), Butylate, Vermolate, Etridiazole, Pebulate, 2,4-Dinitrotoluene, Molinate, N,N-Diethyl-meta-toluamide (DEET), Propachlor, Chlorpropham, Trifluralin, Pronamide (propyzamide), Terbacil, Vinclozolin, Alachlor, Metolachlor, Diphenamide, MGK 264(B), Butachlor, Napropamide, Oxyfluorfen, Nitrofen, Norflurazon, Fenarimol, Fluridone, Diisopropyl methylphosphonate (DIMP), Dichlorvos, Mevinphos, Phorate, Methyl parathion, Chlorpyrifos (Dursbans), Chlorfenvinphos, Tetrachlorvinphos, Ethion, Isophorone, Dimethylphthalate, Fluorene, Phenanthrene, Anthracene, Pyrene, Benz[a]anthracene, Chrysene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene, Dibenz[a,h]anthracene, Benzo[g,h,i]perylene Preparation: Solid-Phase Extraction Analysis: GC/MS Method | EPA Method 525.3 | | |
| Water | Sampling for Microbiological Analysis | ISO 19458 | | |

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| Water | Sampling of Rivers and Streams | ISO 5667-6 |
| Wastewater | Sampling Techniques | ISO 5667-10 |
| Wastewater | Determination of Temperature Laboratory and Field Method | EPA 170.1 |
| Wastewater | pH Determination Electrometric Method | ASTM D1293 |
| Wastewater | Determination of Conductivity Electrometric Method | EPA 120.1 |
| Wastewater | Determination of Turbidity Nephelometric Method | EPA 180.1 |
| Wastewater | Determination of Sulfate, Chloride, Nitrate, Nitrite, Fluoride, Bromide Ion Chromatography Method | ASTM D4327 |
| Wastewater | Determination of Total Dissolved Solids Gravimetric Method | EPA 160.1 |
| Wastewater | Total Chlorine Determination Colorimetric Method | SM 4500-Cl G |
| Wastewater | Color Determination Spectrophotometric Method | SM 2120 C |
| Wastewater | Determination of Chlorinated Pesticides Aldrin, α -BCH, β -BCH, δ -BCH, γ -BCH, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Endosulfan Sulfate, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide Pretreatment: Liquid-Liquid Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-ECD Method | EPA 3510 C EPA 3630 C EPA 3660 B EPA 8081 B |
| Wastewater | Determination of Polychlorinated Biphenyls (PCBs) (5, 18, 31, 44, 52, 66, 87, 101, 110, 138, 141, 151, 153, 170, 180, 183, 187, 206) Pretreatment: Liquid-Liquid Extraction Pretreatment: Sulfuric Acid Permanganate Cleanup Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-ECD Method | EPA 3510 C EPA 3630 C EPA 8082 A EPA 3665 A EPA 3660 B |


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| Wastewater | Determination of Surfactant (MBAS) Pretreatment: Separation with Sublation Apparatus Measurement: Spectrophotometric Method | SM 5540 B SM 5540 C |
| Wastewater | Determination of Total Suspended Solids (TSS) Gravimetric Method | EPA 160.2 |
| Wastewater | Determination of Total Solids Gravimetric Method | EPA 160.3 |
| Wastewater | Determination of Chemical Oxygen Demand (COD) Closed Reflux-Spectrophotometric Method | ASTM D1252-B |
| Wastewater | Determination of Phenol Compounds Spectrophotometric Method | ASTM D1783 A |
| Wastewater | Determination of 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), Lithium(Li), Strontium(Sr), Thallium(Tl), Zinc(Zn) Preparation: Microwave Assited Acid Digestion Analysis: Flame Atomic Absorption Spectrophotometric Method | EPA 3015 A EPA 7000 B |
| Wastewater | Determination of Mercury (Hg) Preparation: Microwave Assited Acid Digestion Analysis: Cold Vapor Atomic Absorption Spectrophotometric Method | EPA 245.1 EPA 3015A |
| Wastewater | Determination of 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), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron(B) Preparation: Microwave Assisted Acid Digestion Analysis: ICP-MS Method | EPA 3015 A EPA 6020 B |
| Wastewater | Determination of Total Oil and Grease (TOG) & Total Petroleum Hydrocarbons (TPH) Preparation: Liquid-Liquid Extraction Analysis: Infrared Method (HATR-T2) | In house Method SOP4211 (rev.no:16) (InfraCal TOG/TPH Analyzer HATR-T2 User's Guide used as reference) |
| Wastewater | Determination of Total Oil and Grease (TOG) and Non-Polar Material Preparation: Liquid-Liquid Extraction Analysis: Gravimetric Method | EPA 1664 B |


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| Wastewater | Determination of Volatile Organic Compounds (VOC's) 1,1-Dichloroethene, MTBE, trans-1,2-Dichloroethene, n-Hexane, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2,2-Dichloropropane, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, 1,1-Dichloropropene, Carbon tetrachloride, Benzene, n-Heptane, Trichloroethene, 1,2-Dichloropropane, Dibromomethane, Bromodichloromethane, cis-1,3-Dichloropropene, Toluene, n-Octane, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 1,3-Dichloropropane, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, 1,1,1,2-Tetrachloroethane, Ethylbenzene, M+p-Xylene, n-Nonane, o-Xylene, Styrene, Bromoform, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, Bromobenzene, 1,2,3-Trichloropropane, n-Propylbenzene, 2-Chlorotoluene, 1,3,5-Trimethylbenzene, n-Decane, 4-Chlorotoluene, Tert-Butylbenzene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, 1,3-Dichlorobenzene, p-Isopropyltoluene, 1,4-Dichlorobenzene, n-Butylbenzene, 1,2-Dichlorobenzene, n-Undecane, 1,2-Dibromo-3-chloropropane, n-Dodecane, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene Pretreatment: Headspace Method Measurement: GC-MS Method | EPA 5021 A EPA 8260 D | | |
| Wastewater | Determination of Total Organic Carbon (TOC)/ Dissolved Organic Carbon (DOC) High-Temperature Combustion Method | SM 5310B | | |
| Wastewater | Determination of Biochemical Oxygen Demand (BOD) Respirometric Method | SM 5210 D | | |
| Waste Water | Determination of Biochemical Oxygen Demand (BOD) 5-Day BOD Test | SM 5210 B | | |
| Wastewater | Determination of Phosphate / Phosphate Phosphorus Spectrophotometric Method | ISO 6878 | | |
| Wastewater | Determination of Total Phosphorus Spectrophotometric Method | ISO 6878 | | |
| Wastewater | Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method | SM 4500-NO ₂ ⁻ B | | |
| Wastewater | Determination of Nitrate /Nitrate Nitrogen Spectrophotometric Method | SM 4500-NO ₃ ⁻ E | | |
| Wastewater | Total Nitrogen Determination Pretreatment: Persulfate Method Measurement: Spectrophotometric Method | SM 4500-N C | | |
| Wastewater | Determination of Silica Spectrophotometric Method | ASTM D859 | | |
| Wastewater | Determination of Total Petroleum Hydrocarbons(TPH) (C9-C18 Aliphatics, C19-C36 Aliphatics, C11-C22 Aromatics Total All Fractions (TPH C9-C36)) Preparation1: Liquid-liquid extraction Preparation2: Silica Gel Clean-Up Analysis: GC/FID Method | EPA 3630 C EPA 3510C MADEP-2019 | | |


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| | | | Website : https://www.azecolab.com/ | |
| Wastewater | 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 E | | |
| Wastewater | Chromium (VI) Tayini Spectrophotometric Method | ASTM D1687-A | | |
| Wastewater | Enumeration of <i>Escherichia coli</i> Most Probable Number Technique | ISO 9308-2 | | |
| Wastewater | Enumeration of Coliform Bacteria Most Probable Number Technique | ISO 9308-2 | | |
| Wastewater | Determination of Phenols (Phenol, 4-Chloro-3-methylphenol, Pentachlorophenol, 2,4-Dimethylphenol, 3-Methylphenol (m-cresol)) Preparation: Solid Phase Extraction Analysis: GC/MS Method | EPA 528 | | |
| Wastewater | Determination of Phenol and Phenol Compounds (o-Cresol, 2,4-Dichlorophenol) Pretreatment:Solid Phase Extraction Analysis: GC-MS Method | EPA 528 | | |
| Wastewater | Determination of Nitrite Semi-Automated Colorimetric Method | In House Method- SOP 1920 (Rev. no:05) (Modified Standard SM 4500 NO ₂ B) | | |
| Wastewater | Determination of Ammonium Nitrogen Preparation: Distillation Analysis: Semi-Automated Colorimetric Method | ISO 7150-1 | | |
| Wastewater | Determination of Sulfide Ion Selective Electrode Method | ASTM D4658 | | |
| Wastewater | Determination of Cyanide by Semi-Automatic Spectrometry Preparation: Free Cyanide- Microdiffusion WAD and Total Cyanide-reflux distillation | Determination: EPA 335.4 Microdiffusion: ASTM D4282 Reflux distillation: ASTM D 2036A,C | | |
| Sea Water | Determination of Total Suspended Solids (TSS) Gravimetric Method | EPA 160.2 | | |
| Sea Water | Determination of Biochemical Oxygen Demand (BOD) Respirometric Method | SM 5210D | | |
| Sea Water | Determination of Phenols Compounds Spectrophotometric Method | ASTM D1783 A | | |


Accreditation Scope

|  TÜRKAK <small>Test</small> <small>TS EN ISO/IEC 17025</small> <small>AB-0469-T</small> | | | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
|--|--|--|--|--|
| Testing Laboratory | | | | |
| Address : | | Phone : +99 412 310 0200 | | |
| Salyan Highway 32, Sabail District Baku / Azerbaijan | | Fax : - | | |
| | | Email : ellada.aliyeva@azecolab.com | | |
| | | Website : https://www.azecolab.com/ | | |
| Sea Water | Determination of 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), Lithium(Li), Strontium(Sr), Thallium(Tl), Zinc(Zn) Preparation: Microwave Assisted Acid Digestion Analysis: Flame Atomic Absorption Spectrophotometric Method | EPA 3015 A EPA 7000 B | | |
| Sea Water | Determination of Mercury (Hg) Preparation: Microwave Assisted Acid Digestion Analysis: Cold Vapor Atomic Absorption Spectrophotometric Method | EPA 245.1 EPA 3015A | | |
| Sea Water | Determination of 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), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B) Preparation: Microwave Assisted Acid Digestion Analysis: ICP-MS Method | EPA 3015 A EPA 6020 B | | |
| Sea Water | 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 | | |
| Sea Water | Total Phosphorus Determination Spectrophotometric Method | ISO 6878 | | |
| Sea Water | Determination of Phosphate/Phosphate Phosphorus Spectrophotometric Method | ISO 6878 | | |
| Sea Water | Determination of Nitrite/Nitrite Nitrogen Spectrophotometric Method | SM 4500-NO ₂ ⁻ B | | |
| Sea Water | Determination of Nitrate/Nitrate Nitrogen Determination Spectrophotometric Method | SM 4500-NO ₃ ⁻ E | | |
| Sea Water | Determination of Total Nitrogen Pretreatment: Persulfate Method Measurement: Spectrophotometric Method | SM 4500-N C | | |
| Sea water | Determination of Silica Spectrophotometric Method | ASTM D859 | | |


Accreditation Scope

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| | | Email : ellada.aliyeva@azecolab.com | | |
| | | Website : https://www.azecolab.com/ | | |
| Sea Water | Determination of Total Petroleum Hydrocarbons (TPH) (C9-C18 Aliphatics, C19-C36 Aliphatics, C11-C22 Aromatics) Total All Fractions (C9-C36) Preparation1: Liquid-Liquid Extraction Preparation2: Silica Gel Clean-Up Analysis: GC/FID Method | EPA 3630 C EPA 3510 C MADEP-2019 | | |
| 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 E | | |
| Sea Water | Enumeration of <i>Escherichia coli</i> Most Probable Number Technique | ISO 9308-2 | | |
| Sea Water | Enumeration of Coliform Bacteria Most Probable Number Technique | ISO 9308-2 | | |
| Sea Water | Zooplankton Toxicity Test LC50 Counting Method | ISO 14669 | | |
| Sea Water | Phytoplankton Toxicity Test EC50 Counting Method | ISO 10253 | | |
| Sea Water | Determination of Phenols (Phenol, 4-Chloro-3-methylphenol, Pentachlorophenol, 2,4-Dimethylphenol, 3-Methylphenol (m-cresol)) Preparation: Solid Phase Extraction Analysis: GC/MS Method | EPA 528 | | |
| Sea Water | Determination of Phenol and Phenol Compounds (o-Cresol, 2,4-Dichlorophenol) Pretreatment:Solid Phase Extraction Analysis: GC-MS Method | EPA 528 | | |
| Sea Water | Determination of Sulfide Ion Selective Electrode Method | ASTM D4658 | | |
| Sea Water | Determination of Cyanide by Semi-Automatic Spectrometry Preparation: Free Cyanide- Microdiffusion WAD and Total Cyanide-reflux distillation | Determination: EPA 335.4 Microdiffusion: ASTM D4282 Reflux distillation: ASTM D 2036A,C | | |
| Sea Water | Determination of Ammonium Nitrogen Preparation: Distillation Analysis: Semi-Automated Colorimetric Method | ISO 7150-1 | | |


Accreditation Scope

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| Address : Salyan Highway 32, Sabail District Baku / Azerbaijan | | | Phone : +99 412 310 0200 Fax : - Email : ellada.aliyeva@azecolab.com Website : https://www.azecolab.com/ | |
| Sea Water | Determination of Nitrite Semi-Automated Colorimetric Method | In-house Method SOP1920 (Rev. no:05) (Modified Standard SM 4500 NO ₂ B) | | |
| Sea Water | Determination of Temperature Laboratory and Field Method | EPA 170.1 | | |
| Soil | Soil Sampling | EPA/600/R-92/128 | | |
| Sea Water | Determination of Cadmium (Cd), Cobalt (Co), Copper (Cu), Iron (Fe), Nickel (Ni), Lead (Pb), Zinc (Zn), Preparation: Microwave Assisted Acid Digestion Analysis: ICP-OES Method | EPA 3015A ISO 11885 | | |
| Sea Water | pH Determination Electrometric Method | ASTM D1293 | | |
| Sea Water | Determination of Turbidity Nephelometric Method | EPA 180.1 | | |
| Sea Water | Taking Samples from Seawaters | ISO 5667-9 | | |
| Soil | Determination of Calcium(Ca), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Manganese(Mn), Nickel(Ni), Sodium(Na), Potassium(K) Preparation: Microwave Acidic Digestion Analysis: F-AAS Method | EPA 3051 A EPA 7000 B | | |
| Soil | Determination of Mercury (Hg) Preparation: Microwave Acidic Digestion Preparation: Cold Vapor Analysis: AAS Method | EPA 3051A EPA 245.1 | | |
| Soil | Determination of 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), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B) Preparation: Microwave Acidic Digestion Analysis: ICP-MS Method | EPA 3051 A EPA 6020 B | | |
| Soil | Determination of Volatile Organic Compounds (VOC) (1,1-Dichloroethene, Trans-1,2-Dichloroethene, MTBE, n-Hexane, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2,2-Dichloropropane, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, 1,1-Dichloropropene, Carbon tetrachloride, Benzene, n-Heptane, Trichloroethene, 1,2-Dichloropropane, Dibromomethane, Bromodichloromethane, cis-1,2-Dichloropropene, Toluene, n-Octane, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, tetrachloroethene, 1,3-Dichloropropane, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, 1,1,1,2-Tetrachloroethane, Ethylbenzene, m+p-Xylene, n-Nonane, o-Xylene, Styrene, Bromoform, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, Bromobenzene, 1,2,3-Trichloropropane, n-Propylbenzene, 2-Chlorotoluene, 1,3,5-Trimethylbenzene, n-Decane, 4-Chlorotoluene, Tert-Butylbenzene, 1,2,4-Trimethylbenzene, 1,2,4-Trimethylbenzene, sec-butylbenzene, 1,3-Dichlorobenzene, p-Isopropyltoluene, 1,4-Dichlorobenzene, n-Butylbenzene, 1,2-Dichlorobenzene, n-Undecane, 1,2-Dibromo-3-chloropropane, n-Dodecane, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene) Pretreatment. Headspace Method Measurement: GC-MS Method | EPA 5021 A EPA 8260 D | | |


Accreditation Scope

|  TÜRKAK Test TS EN ISO/IEC 17025 AB-0469-T | | | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
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| | | Email : ellada.aliyeva@azecolab.com | | |
| | | Website : https://www.azecolab.com/ | | |
| Soil | Determination of Organo Chlorinated Pesticides (Aldrin, α -BCH, β -BCH, δ -BCH, γ -BCH, 4,4'-DDD,4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Endosulfan sulfate, Endrin aldehyde, Heptachlor, Heptachlor epoxide, Toxaphene) Pretreatment: Ultrasonic Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-ECD Method | EPA 3550 C EPA 3630 C EPA 3660 B EPA 8081 B | | |
| Soil | Total Petroleum Hydrocarbons (TPH) (C10-C40) Pretreatment: Ultrasonic Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-FID Method | EPA 3550 C EPA 3630 C EPA 3660 B In House Method- "SOP4425. Rev. 18" (Modified Standard- MADEP-2019) | | |
| Soil | Determination of Poly Aromatic Hydrocarbons (PAH) (1-Methylnaphthalene, 1,3-Dimethylnaphthalene, 1-Methylphenanthrene, 3,6-Dimethylphenanthrene, 5-Methylbenzo[a]anthracene, 7-Methylbenzo[a]pyrene, 6,8-Dimethylbenzo[a]anthracene, 7,10-Dimethylbenzo[a]pyrene, 2-Methylfluoranthene, 4-Methylidibenzothiophene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)aceanthne, Benzo(a)pyrene, Benzo(e)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, Perylene, Dibenzothiophene) Pretreatment: Ultrasonic Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-MS Method | EPA 3550 C EPA 3630 C EPA 3660 B EPA 8270 E MADEP 2019 | | |
| Soil | Determination of TOC and Carbonate Gravimetric Method | In House Method SOP 4520 (Rev. no:12) (Modified Standard BS-1377-3) | | |
| Soil | Determination of Total Organic Carbon (TOC) Titrimetric Method | In House Method SOP 3016 (Rev. no:08) (Modified Standard TSE 8336, BS-1377- 3) | | |
| Soil | Determination of Particle Size and Sieve Pipette Analysis | EPA AD/103788 | | |
| Soil | Determination of Phenols Spectrometric Method | In House Method "SOP 3313. Rev. No:10" (Modified Standard EPA NSCEP) | | |
| Soil | Determination of Bulk Density Gravimetric Method | ASTM D 1895 | | |
| Soil | Determination of Colorific Value Calorimeter Oxygen Bomb Method | In House Method-"SOP4605. Rev.08" (Modified Standard-ASTM D5865) | | |

Accreditation Scope

|  TÜRKAK <small>Test</small> <small>TS EN ISO/IEC 17025</small> <small>AB-0469-T</small> | | | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
|--|--|--|--|--|
| Testing Laboratory | | | | |
| Address : | | Phone : | | |
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| | | ellada.aliyeva@azecolab.com | | |
| | | Website : | | |
| | | https://www.azecolab.com/ | | |
| Soil | Chromium (VI) Determination Preparation: Alkaline Extracting Method Measurement: Spectrophotometric Method | EPA 3060 A EPA 7196 A | | |
| Soil | pH Determination Electrometric Method | EPA 9045 D | | |
| Soil | Determination of Water Content Gravimetric Method | ASTM D2216 | | |
| Soil | Determination of the Mass Loss on Ignition Gravimetric Method | BS 1377-3 | | |
| Soil | Determination of n-Hexane Extractable Material Gravimetric Method | In House Method SOP4201(Rev. No:08) (Modified Standard: EPA 9071B, EPA 1664B) | | |
| Soil | Determination of Acid Soluble Anions (Chloride, Sulphate) Preparation: Nitric Acid Extraction Analysis: Ion Chromatography Method | BS 1377-3 | | |
| Soil | Determination of Water Soluble Anions (Chloride, Sulphate) Preparation: Deionized Water Extraction Analysis: Ion Chromatography Method | BS 1377-3 | | |
| Soil | Determination of Volatile Organic Compounds (VOC) (MTBE, n-Hexane, 1,1-Dichloroethane,cis-1,2-Dichloroethene, 2,2-Dichloropropane, Bromochloromethane, Chloroform,1,1,1-Trichloroethane, 1,1-Dichloropropene, Carbon tetrachloride, Benzene, n-Heptane, Trichloroethene,1,2-Dichloropropane, Dibromomethane, Bromodichloromethane, cis-1,3-Dichloropropene, Toluene, n-Octane,1,1,2-Trichloroethane, tetrachloroethene,1,3-Dichloropropane,Dibromochloromethane,1,2-Dibromoethane, Chlorobenzene,1,1,1,2-Tetrachloroethane, Ethylbenzene, M+p-Xylene, n-Nonane, o-Xylene, Styrene, Bromoform, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, Bromobenzene, 1,2,3-Trichloropropane,n-Propylbenzene, 2-Chlorotoluene,1,3,5-Trimethylbenzene,n-Decane,4-Chlorotoluene,Tert-Butylbenzene,1,2,4-Trimethylbenzene,sec-butylbenzene, 1,3-Dichlorobenzene,p-Isopropyltoluene, 1,4- Dichlorobenzene, n-Butylbenzene, 1,2-Dichlorobenzene, n-Undecane,1,2-Dibromo-3-chloropropane, n-Dodecane,1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene) Pretreatment: Headspace Method Measurement: GC-MS Method | EPA 5021 A ISO 22155 EPA 8260 D | | |
| Sediment | Sediment Sampling | ISO 5667-19 | | |


Accreditation Scope

|  TÜRKAK Test TS EN ISO/IEC 17025 AB-0469-T | | | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
|---|---|--|--|--|
| Testing Laboratory | | | | |
| Address : | | Phone : +99 412 310 0200 | | |
| Salyan Highway 32, Sabail District Baku / Azerbaijan | | Fax : - | | |
| | | Email : ellada.aliyeva@azecolab.com | | |
| | | Website : https://www.azecolab.com/ | | |
| Sediment | Benthic Infaunal Toxicity Test Analysis: LC50 Counting Method | Caspian - specific ecotoxicity procedures OSPAR commission, 2006: PART A | | |
| Sediment | Determination of Calcium(Ca), Chromium(Cr), Cobalt(Co), Copper(Cu), Iron(Fe), Manganese(Mn), Nickel(Ni), Sodium(Na), Potassium(K) Preparation: Microwave Acidic Digestion Analysis: F-AAS Method | EPA 3051 A EPA 7000 B | | |
| Sediment | Determination of Mercury (Hg) Preparation: Microwave Acidic Digestion Preparation: Cold Vapor Analysis: AAS Method | EPA 245.1 EPA 3051A | | |
| Sediment | Determination of 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), Silver(Ag), Sodium(Na), Strontium(Sr), Selenium(Se), Thallium(Tl), Tin(Sn), Vanadium(V), Zinc(Zn), Thorium(Th), Uranium(U), Boron (B); Preparation: Microwave Acidic Digestion Analysis: ICP-MS Method | EPA 3051 A EPA 6020 B | | |
| Sediment | Total Petroleum Hydrocarbons (TPH) (C10 -C40) Pretreatment: Ultrasonic Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-FID Method | EPA 3550 C EPA 3630 C EPA 3660 B In House Method- "SOP4425. Rev. 18" (Modified Standard-MADEP-2019) | | |
| Sediment | Determination of Poly Aromatic Hydrocarbons (PAH): 1-Methylnaphthalene,1,3-Dimethylnaphthalene, 1-Methylphenanthrene, 3,6-Dimethylphenanthrene, 5-Methylbenzo[a]anthracene, 7-Methylbenzo[a]pyrene, 6,8-Dimethylbenzo[a]anthracene, 7,10-Dimethylbenzo[a]pyrene, 2-Methylfluoranthene, 4-Methyldibenzothiophene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(e)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, Perylene, Dibenzothiophene; Pretreatment: Ultrasonic Extraction Pretreatment: Silica Gel Cleanup Pretreatment: Sulfur Cleanup Measurement: GC-MS Method | EPA 3550 C EPA 3630 C EPA 3660B EPA 8270E | | |
| Sediment | Determination of TOC and Carbonate Gravimetric Method | In House Method SOP 4520 (Rev. No:12) (Modified Standard BS-1377-3) | | |
| Sediment | Determination of Total Organic Carbon (TOC) Titrimetric Method | In House Method SOP 3016 (Rev. no:08) (Modified Standard TSE 8336, BS-1377- 3) | | |
| Sediment | Determination of Particle Size and Sieve Pipette Analysis | EPA AD/103788 | | |



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| Address : Salyan Highway 32, Sabail District Baku / Azerbaijan | Phone : +99 412 310 0200 Fax : - Email : ellada.aliyeva@azecolab.com Website : https://www.azecolab.com/ | |
| Sediment | Determination of Chromium (VI) Preparation: Alkaline Digestion Method Analysis: Spectrophotometric Method | EPA 3060 A EPA 7196 A |
| Sediment | Determination of n-Hexane Extractable Material Gravimetric Method | In House Method SOP4201 (Rev. No:08) (Modified Standard: EPA 9071 B, EPA 1664 B) |
| Sediment | Determination of the Mass Loss on Ignition | BS 1377-3 |
| Soild samples | Determination of the Mass Loss on Ignition | BS 1377-3 |
| 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-Determination of Nitrogen Monoxide (NO), Nitrogen Dioxide (N ₂) and Nitrogen Oxide (x) Emissions Electrochemical Cell Method | EPA CTM 022 * |
| Stack Gas | Emissions from Stationary Sources Determination of SO ₂ Electrochemical Cell Method | ISO 7935 |
| Stack Gas | Emissions from Stationary Sources Determination of CO, O ₂ , CO ₂ Electrochemical Cell Method | ISO 12039 * |
| Imission (Ambient Air) | Determination of PM ₁₀ and PM _{2.5} Mass Concentration of Suspended Particulate Matter in Ambient Air Gravimetric Method | EN 12341 |
| Imission(Ambient Air) | NO, NO ₂ passive sampling and measurement; Spectrophotometry Method | In House Method SOP1570 (rev. no:10) (Modified Standard EN 13528-1-2-3) |
| Imission(Ambient Air) | Passive Charcoal sampling and Oil hydrocarbon tests; Preparation: Carbon Disulfide (CS ₂) extraction, Analysis: GC-FID Method | In House Method SOP4309 rev. no:06 (Modified Standard EN 13528-1-2-3) |
| Imission(Ambient Air) | SO ₂ passive sampling and measurement Ion Chromatography Method | In House Method SOP1580 (rev. no: 09) (Modified Standard EN 13528-1-2-3) |
| Imission(Ambient Air) | Passive Charcoal sampling and BTEX tests; Preparation: Carbon Disulfide (CS ₂) extraction, Analysis: GC-FID Method | In House Method SOP4308,rev. no: 07 (Modified Standard EN 13528-1-2-3) |

Accreditation Scope

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| | | Website : https://www.azecolab.com/ | | |
| Ambient Air | Carbopack-X sampling thermodesorbition (1,1-Dichloroethene, 1,1-Dichloroethane, 1,1,1-Trichloroethane, Carbon tetrachloride, Benzene, Trichloroethene, 1,2-Dichloropropene, Toluene, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Ethylbenzene, m+p-Xylene, o-Xylene, Styrene, 1,4-Dichlorobenzene) | EPA Method 325A EPA Method 325B | | |
| Wastewater | Determination of Silver(Ag), Aluminum(Al), Arsenic(As), Boron(B), Barium(Ba), Beryllium(Be), Bismuth (Bi), Calcium(Ca), Cadmium(Cd), Cobalt(Co), Chromium(Cr), Copper(Cu), Iron(Fe), Gallium(Ga), Potassium(K), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Sodium(Na), Nickel(Ni), Phosphorus(P), Lead(Pb), Tin(Sn), Strontium(Sr), Titanium(Ti), Vanadium(V), Tungsten(W), Zinc(Zn), Zirconium(Zr), Preparation: Microwave Assisted Acid Digestion Analysis: ICP-OES Method | EPA 3015 A ISO 11885 | | |
| Soil | Determination of Silver(Ag), Aluminum(Al), Arsenic(As), Boron(B), Barium(Ba), Beryllium(Be), Bismuth(Bi), Calcium(Ca), Cadmium(Cd), Cobalt(Co), Chromium(Cr), Copper(Cu), Iron(Fe), Gallium(Ga), Potassium(K), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Sodium(Na), Nickel(Ni), Phosphorus(P), Lead(Pb), Tin(Sn), Strontium(Sr), Titanium(Ti), Thallium(Tl), Vanadium(V), Tungsten(W), Zinc(Zn), Zirconium(Zr) Preparation: Microwave Acidic Digestion Analysis: ICP-OES Method | EPA 3051 A ISO 11885 | | |
| Sediment | Determination of Silver(Ag), Aluminum(Al), Arsenic(As), Boron(B), Barium(Ba), Beryllium(Be), Bismuth(Bi), Calcium(Ca), Cadmium(Cd), Cobalt(Co), Chromium(Cr), Copper(Cu), Iron(Fe), Gallium(Ga), Potassium(K), Lithium(Li), Magnesium(Mg), Manganese(Mn), Molybdenum(Mo), Sodium(Na), Nickel(Ni), Phosphorus(P), Lead(Pb), Tin(Sn), Strontium(Sr), Titanium(Ti), Thallium(Tl), Vanadium(V), Tungsten(W), Zinc(Zn), Zirconium(Zr) Preparation: Microwave Acidic Digestion Analysis: ICP-OES Method | EPA 3051 A ISO 11885 | | |
| Soil | Determination of Total Barium Preparation: Lithium Metaborate Fusion Analysis: ICP-OES Method | In House Method SOP 2010 (Rev. No:11) (ASTM D4503, ODP Technical Note 29; ISO 11885) | | |
| Soil | Determination of Total Silicon Preparation: Lithium Metaborate Fusion Analysis: ICP-OES Method | In House Method SOP 2010 Rev.09 (ODP Technical Note 29; ISO 11885) | | |
| Sediment | Determination of Total Barium Preparation: Lithium Metaborate Fusion Analysis: IPC-OES Method | In House Method SOP 2010 (Rev. No:11) (ASTM D4503, ODP Technical Note 29; ISO 11885) | | |
| Sediment | Determination of Total Silicon Preparation: Lithium Metaborate Fusion Analysis: ICP-OES Method | In House Method SOP 2010 Rev.09 (ODP Technical Note 29; ISO 11885) | | |
| Vibration | Vibration of fixed structures - Guidelines for the measurement of vibrations and evaluation of their effects on structures | ISO 4866 | | |
| Water | Detection of <i>Salmonella spp.</i> | ISO 19250 | | |
| Acoustic-Noise | Description, measurement and assessment of environmental noise-Part 1: Basic quantities and assessment procedures | ISO 1996-1 | | |
| Acoustic-Noise | Description, measurement and assessment of environmental noise-Part 2: Determination of sound pressure levels | ISO 1996-2 | | |

Accreditation Scope

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| Water | Determination of Free Chlorine Colorimetric Method | SM 4500-Cl G |
| Waste Water | Determination of Free Chlorine Colorimetric Method | SM 4500-Cl G |
| Soil | Determination of Total Cyanide Pretreatment: Distillation Method Measurement: Semi-automatic Spectrometry Method | In House Method- "SOP1912. Rev.01" (EPA 335.4 ve Simple Dist System Operating & Instruction Manual) |

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.




AZECOLAB COMPANY LLC

Accreditation Nr: AB-0469-T
Revision Nr: 12 Date: 24.01.2025

Food and Feed Products


| Tested Materials / Products | Name of Test | Testing Method (National, International Standards, In-house Methods) |
|--|---|--|
| Food | Total Bacteria Count Colony-Count Technique | GOST 10444.15-1994 |
| Food | Enumeration of <i>Coliform bacteria</i> Most Probable Number Technique | GOST 31747-2012 |
| Food | Enumeration of <i>Staphylococcus aureus</i> Most Probable Number Technique | GOST 31746-2012 |
| Food | Detection of <i>Salmonella spp.</i> | GOST 31659-2012 |
| Food | Enumeration of Yeast and Mould Pour Plate Technique | GOST 10444.12-2013 |
| Food | Food Sampling for Microbiological Tests | ISO/TS 17728 |
| Environmental Samples from Food Premises | Sampling for Microbiological Analysis (swap/contact plate) | ISO 18593 |
| Food | Enumeration of <i>Escherchia coli</i> Most Probable Number Technique | GOST 30726-2001 |
| Food | Detection of <i>Listeria monocytogenes</i> | GOST 32031-2022 |
| Food | Enumeration of <i>Bacillus cereus</i> Colony Count Technique | GOST 10444.8-2013 |
| Environmental Samples from Food Premises | Detection of <i>Escherichia coli</i> | GOST 30726-2001 |
| Environmental Samples from Food Premises | Detection of <i>Staphylococcus aureus</i> | GOST 31746-2012 |

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| Fuels | | |
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| Tested Materials / Products | Name of Test | Testing Method (National, International Standards, In-house Methods) |
| Middle Distillate Fuels | Particulate Contamination by Laboratory Filtration | ASTM D6217 |

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| Petroleum and Petroleum Products | | |
|--|--|--|
| Tested Materials / Products | Name of Test | Testing Method (National, International Standards, In-house Methods) |
| Distillate and residual fuels, gas turbine fuels, crude oils, lubricant oils, waxes and other petroleum products | Ash Content Determination | ASTM D482 |
| Petroleum products, tars, and bituminous materials | Determination of Water Amount Distillation Method | ASTM D95 |
| Fuel Oil | Pour Point of Petroleum Products | ASTM D97-17b |
| Gasoline, volatile crude oil, and other volatile petroleum products | Vapor Pressure of Petroleum Products Reid Method | ASTM D323 |
| Liquid petroleum products | Determination of Kinematic Viscosity and Calculation of Dynamic Viscosity | ASTM D445 |
| Petroleum products, and biodiesel fuels | Cloud Point Determination | ASTM D2500 |
| Crude Oil | Salt Determination Electrometric Method | ASTM D3230 |
| Crude Oil | Determination of Water Distillation Method | • ASTM D4006 |
| Petroleum distillates, and viscous oils | Density and Relative Density Determination Oscillating U-Tube Method | ASTM D4052 |
| Liquid petroleum products, middle distillates | Determination of Total Pollution Amount | IP 440 |
| Crude Oil | Density and Relative Density of Crude Oils by Digital Density Analyzer | ASTM D5002 |
| Crude Oil | Pour Point of Crude Oil | ASTM D5853-17a |
| Crude oil, Petroleum products | Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method | ASTM D1298 |
| None-volatile petroleum products | Determination of Carbon Residue Amount Conradson Method | ASTM D189 |

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Occupational Hygiene Analyses

| Tested Materials / Products | Name of Test | Testing Method (National, International Standards, In-house Methods) |
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| Occupational Hygiene Asbestos in Solid Materials and Products | Determination of Asbestos Species in Solid Materials and Semi-Quantitative Analysis (Amosite, Chrysotile, Crocidolite, Actinolite, Anthophyllite, Tremolite) Sampling: Sampling Representative Track from Solid Material (Manual Sampling) Pretreatment: Homogeneous Subsample Preparation Pretreatment: Pre-Analysis with Stereo Microscope and Mounting Fibers in RI Liquid Analysis: Polarized Light Microscope (PLM) | NIOSH NMAM 9002 EPA/600/R-93/116 HSG48 A-2 |
| Occupational Hygiene Noise | Measurement of Noise Exposed in Working Environment | ISO 9612* |
| Occupational Hygiene Asbestos and Other Fibrous Dusts | Asbestos and Other Fibres Counting** Sampling: Sampling of air for fiber counting (Personal or Area) Analysis: Membrane Filter Method using Phase Contrast Microscopy (PCM) **The scope does not include species identification. If the type of fibers in the area is known to be asbestos, asbestos fibers can be counted. | NIOSH NMAM 7400 HSG248 A-1 MDHS 39/4 |
| 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 Aromatic Hydrocarbons | Determination of BTEX Sampling: Sampling into Activated Carbon Sorbent Tube with Pump Pretreatment: Solvent Desorption Analysis: GC-FID Method | NIOSH NMAM 1501 |
| Occupational Hygiene Lighting | Measurement of Lighting / Lighting Levels in The Workplaces | COHSR-928-1-IPG-039 |
| Occupational Hygiene Vibration | Measurement and Evaluation of Whole-Body Exposure to Vibration | ISO 2631-1 |
| Occupational Hygiene Vibration | Measurement and Evaluation of Human Exposure to Hand-Transmitted Vibration | ISO 5349-1 ISO 5349-2 |

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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) |
| Medical electrical equipment | Medical electrical equipment - Part 1: General requirements for basic safety and essential performance Defibrillator: Mains on Voltage Protective Earth Resistance test Device Current Draw test Earth Leakage Current test Enclosure Leakage Current test Main on Applied Part Leakage test Patient Leakage Current AC+DC test Patient Auxiliary Current AC+DC test Insulation Resistance test | IEC 60601-1 Subclause 8.5.3: Subclause 8.6.4: Subclause 8.7.4.6: Subclause 8.7.4.5: Subclause 8.7.4.6: Subclause 8.7.4.7d Subclause 8.7.4.7: Subclause 8.7.4.8: Subclause 8.8.4.1: |
| Medical electrical equipment | Medical electrical equipment-Part 2-4: Particular requirements for basic safety and essential performance of cardiac defibrillators AED: Rhythm recognition to charge ready time test Output accuracy-test Charge time test Energy test AED Arrhythmia tests | EVS EN60601-2-4 Subclause 201.101.3: Subclause 201.12.1: Subclause 201.101.3 Subclause 201.12.1: Subclause 201.7.9.3.103: |
| Medical electrical equipment | Medical electrical equipment-Part 2-27: particular requirements for basic safety and essential performance of electrocardiographic monitoring equipment Defibrillator: Heart rate accuracy-test Recorder speed accuracy-test Amplitude accuracy-test Alarm functions test | EVS EN60601-2-27 Subclause 201.12.1.101.15: Subclause 201.12.1.101.7: Subclause 201.12.1.101.16: Subclause 208.6.6.2.103: |
| Medical electrical equipment | Medical electrical equipment-Part 2-4: particular requirements for basic safety and essential performance of cardiac defibrillators Defibrillator: Output accuracy test Energy test Charge time testing Energy after 1 min full charge test Synchronizer operation test Pacer output accuracy test Demand-mode sensitivity test Pacer rate accuracy test | EVS EN60601-2-4 Subclause 201.12.1: Subclause 201.12.1: Subclause 201.101.1: Subclause 201.12.1: Subclause 201.104 Subclause 201.109.4: Subclause 201.109.7: Subclause 201.109.5: |
| Medical electrical equipment | Medical electrical equipment-Part 2-27: particular requirements for basic safety and essential performance of electrocardiographic monitoring equipment ECG: Heart Rate Accuracy test Amplitude accuracy-test Frequency test ST Deviation test Recorder speed test Alarm Functions test | EVS EN 60601-2-27 Subclause 201.12.1.101.15: Subclause 201.12.1.101.16: Subclause 201.12.1.101.8: Subclause 201.12.1.101.13: Subclause 201.12.1.101.7: Subclause 208.6.6.2.103: |

Accreditation Scope

|  Test TS EN ISO/IEC 17025 AB-0469-T | AZECOLAB COMPANY LLC Accreditation Nr: AB-0469-T Revision Nr: 12 Date: 24.01.2025 | |
|--|---|---|
| Medical electrical equipment | Medical electrical equipment-Part 2-47: particular requirements for basic safety and essential performance of ambulatory electrocardiographic systems ECG: Arrhythmia Test | EVS EN60601-2-47 Subclause 201.12.1.101.1.5.2 |
| Medical electrical equipment | Medical electrical equipment-Part 2-30: particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers NIBP monitor: Leak Test Static pressure accuracy test Pressure relief test Dynamic pressure accuracy test Alarm function test | EVS EN80601-2-30 Subclause 201.105.3.3 Clause 201.104 Subclause 201.105.3.3 Subclause 201.12.1.102 Subclause 201.105.3: |
| Medical electrical equipment | Medical electrical equipment-Part 2-34: particular requirements for basic safety and essential performance of invasive blood pressure monitoring equipment IBP Monitor: Static Pressure test Dynamic Pressure test Alarm Function test | EVS EN 60601-2-34 Subclause 201.12.1.101.1: Subclause 201.12.1.101.2: Clause 208.6 |
| Medical electrical equipment | Medical electrical equipment-Part 2-61: particular requirements for basic safety and essential performance of pulse oximeter equipment SpO ₂ - Pulse Oximeter: Heart rate accuracy-test SpO ₂ functionality test Alarm Function test | EVS EN ISO 80601-2-61 Subclause 201.12.1.104 Subclause 201.12.1.101.2: Subclause 208.6.1.2.101: |
| Medical suction equipment | Medical suction equipment-Part-1: Electrically powered suction equipment Aspirator: Suction testing Vacuum gauge accuracy test Free flow rate test Vacuum rise time test | ISO 10079-1 Clause 7 Clause 7 Clause 7 Clause 7 |
| Medical electrical equipment | Medical electrical equipment-Part 2-27: Particular Requirements for basic safety and essential performance of electrocardiographic monitoring equipment Vital Signs Monitor: ECG Heart Rate Accuracy test ECG Amplitude accuracy-test ECG Frequency test ECG ST Deviation test ECG Recorder speed test ECG Alarm Function test | EVS EN 60601-2-27 Subclause 201.12.1.101.15: Subclause 201.12.1.101.16: Subclause 201.12.1.101.8: Subclause 201.12.1.101.13: Subclause 201.12.1.101.7: Subclause 208.6.6.2.103: |
| Medical electrical equipment | Medical electrical equipment-Part 2-47: Particular Requirements for basic safety and essential performance of ambulatory electrocardiographic systems Vital Signs Monitor: ECG Arrhythmia Test | EVS EN60601-2-47 Subclause 201.12.1.101.1.5.2 |

Accreditation Scope

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| Medical electrical equipment | Medical electrical equipment-Part 2-30: Particular Requirements for basic safety and essential performance of automated non-invasive sphygmomanometers Vital Signs Monitor: NIBP Leak Test NIBP Static pressure accuracy test NIBP Pressure relief test NIBP Dynamic pressure accuracy test NIBP Auto interval time test NIBP Alarm function test | EVS EN 80601-2-30 Subclause 201.105.3.3 Clause 201.104 Subclause 201.105.3.3 Subclause 201.12.1.102 Subclause 201.105.3: Subclause 201.12.3.101 |
| Medical electrical equipment | Medical electrical equipment-Part 2-61: Particular Requirements for basic safety and essential performance of pulse oximeter equipment Vital Signs Monitor: Pulse Oximeter Heart rate accuracy-test Pulse Oximeter SpO2 functionality test Pulse Oximeter Alarm Function test | EVS EN ISO 80601-2-61 Subclause 201.12.1.104 Subclause 201.12.1.101.2: Subclause 208.6.1.2.101: |
| Medical electrical equipment | Medical electrical equipment-Part 2-34: Particular Requirements for basic safety and essential performance of invasive blood pressure monitoring equipment Vital Signs Monitor: IBP Static Pressure test IBP Dynamic Pressure test IBP Alarm Function test | EVS EN 60601-2-34 Subclause 201.12.1.101.1: Subclause 201.12.1.101.2: Clause 208.6 |
| Non-invasive sphygmomanometers | Non-invasive sphygmomanometers- Part 1: Requirements and test methods for non-automated measurement type Sphygmomanometer Aneroid: Leak Test Pressure accuracy test | EVS EN ISO81060-1 Subclause 7.2.1: Subclause 7.1.1: |
| Medical Electrical Equipment | Medical electrical equipment-Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators Ventilator: Tank Pressure accuracy-test Peak Inspiration Pressure test Tidal Volume accuracy-test Respiration rate test I: E ratio test Pressure Accuracy test PEEP testing Flow test test Limit pressure test test O2 Accuracy test Alarm function test | ISO 80601-2-12 Subclause 201.12.1.102: Subclause 6.8.3: Subclause 201.12.4.103.1 Subclause 201.9.101: Subclause 201.9.101: Subclause 201.12.1.102: Subclause 201.12.4.104: Subclause 201.12.1.102: Subclause 201.12.4.104: Subclause 201.15.102: Subclause 201.12.4.107: |
| Medical Electrical Equipment | Pressure regulators for use with medical gases-Part 1: Pressure regulators and pressure regulators with flow-metering devices Medical Pressure/Flow regulators: Output pressure test Flow accuracy-test Gauge accuracy test | EVS EN ISO 10524-1 Subclause 6.2 Subclause 6.14.2: Subclause 8.8 |

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| Nuclear Energy Products | | |
|-----------------------------|---|--|
| Tested Materials / Products | Name of Test | Testing Method (National, International Standards, In-house Methods) |
| Air | Background Radiation; Radiation monitors based on appropriate radiation detector | In House Method SOP7150 (rev. no: 07) (Modified Standard DOE 1107-97) |

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