

TEST REPORT

FACTORY INFORMATION

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|----------------------------------|--|
| Name | : KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. |
| Address | : Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ |
| Telephone / Fax | : 0 344 236 38 00 |
| VAT Office / Number | : - |
| Application Date / Number | : 10.09.2024 / T-94795-2024-02 |

SAMPLE INFORMATION

| | |
|-------------------------------|--|
| Sample Type | : Wastewater |
| Sample Name | : Untreated Wastewater Sample |
| Number of Samples | : 1 |
| Date of Sampling | : 10.12.2024 |
| Sampling Location | : Untreated Wastewater (N: 37° 31'47.13'' - E: 36° 58'43.18'') |
| Sampling Method | : 6 Hours Composite |
| Sample Arrival Type | : Sampling by our Laboratory (Seal: 26977) |
| Sample Arrival Date | : 11.12.2024 |
| Sample ID | : AS-11122024-005 |
| Test Performing Period | : 11.12.2024 - 26.12.2024 |
| Report Date | : 20.01.2025 |
| Report Number | : R-94795-2025-001 |

TYPE OF WASTEWATER DISCHARGE

| | |
|---|---|
| Type of Wastewater Discharge | : Direct Discharge |
| Average Total Industrial Wastewater Generated | : 335,28 m ³ /day |
| Sampling Method | : Composite Sample at (10:30 - 11:30 - 12:30 - 13:30 - 14:30 - 15:30 - 16:30) |
| Arrival Temperature at Lab | : 5,1 °C |
| Comments | : Samples received within 16 hours. |
| Sampler Accreditation Certification Number | : ZDHC-A-24-E-C001068-R41DC-F4D05 |
| Has the Parameter(s) Exceeded Maximum Holding Time | : Not Exceeded |

| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | | Sample Name | Untreated Wastewater Sample | | | | | |
|---|---|--------------------------------|-----------------------------|----------------------------|---|-------------------------------------|--|---------------------------|
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | | |
| | | Sampling Location | Untreated Wastewater | | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | | |
| | | Sample ID | AS-11122024-005 | | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time | |
| ZDHC MRSL WASTEWATER PARAMETERS AND REPORTING LIMITS, TABLES 1A - 1T | | | | | | | | |
| Table 1A : Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers | | | | | | | | |
| Nonylphenol ethoxylates (NPEO) | Multiple Including 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0 | ISO 18857-2 | µg/L | 0,5 | Textile:5 Leather:5 | n.d. | Maximum holding time not exceeded | |
| Nonylphenol (NP), mixed isomers | Multiple Including 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3 | ASTM D7065 | | | | n.d. | | |
| Octylphenol ethoxylates (OPEO) | Multiple Including 9002-93-1, 9036-19-5, 68987-90-6 | ASTM D7065 | | | | n.d. | | |
| Octylphenol (OP), mixed isomers | Multiple Including 140-66-9, 1806-26-4, 27193-28-8 | ISO 18254-1 | | | | n.d. | | |
| Table 1B : Antimicrobials and Biocides | | | | | | | | |
| o-Phenylphenol (+salts) | 90-43-7 | USEPA 8270E + BS EN 12673-1999 | µg/L | 1 | Textile:100 Leather: Sample and Report | n.d. | Maximum holding time not exceeded | |
| Triclosan | 3380-34-5 | USEPA 8270E + BS EN 12673-1999 | | 0,01 | Textile:100 Leather: 100 | n.d. | | |
| Permethrin | Multiple including 52645-53-1 | USEPA 8270E | | | Textile:500 Leather: 500 | n.d. | | |
| Table 1C : Chlorinated Paraffins | | | | | | | | |
| Medium - Chain Chlorinated Paraffins (MCCPs) (C14-C17) | 85535-85-9 | USEPA 8270E + BS EN 12673-1999 | µg/L | 0,1 | Textile:500 Leather: 500 | n.d. | Maximum holding time not exceeded | |
| Short - Chain Chlorinated Paraffin (SCCPs) (C10- C13) | 85535-84-8 | USEPA 3510 + ISO 18219-2 | | | | | | Textile:25 Leather: 25 |
| Table 1D : Chlorobenzenes and Chlorotoluenes | | | | | | | | |
| Monochlorobenzene | 108-90-7 | USEPA 8270E | µg/L | 0,02 | Textile:0,2 Leather: 0,2 | n.d. | Maximum holding time not exceeded | |
| 1,2-Dichlorobenzene | 95-50-1 | | | | | n.d. | | |
| 1,3-Dichlorobenzene | 541-73-1 | | | | | n.d. | | |
| 1,4-Dichlorobenzene | 106-46-7 | | | | | n.d. | | |
| 1,2,3-Trichlorobenzene | 87-61-6 | | | | | n.d. | | |
| 1,2,4-Trichlorobenzene | 120-82-1 | | | | | n.d. | | |
| 1,3,5-Trichlorobenzene | 108-70-3 | | | | | n.d. | | |
| 1,2,3,4-Tetrachlorobenzene | 634-66-2 | | | | | n.d. | | |
| 1,2,3,5-Tetrachlorobenzene | 634-90-2 | | | | | n.d. | | |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | | | | | n.d. | | |
| Pentachlorobenzene | 608-93-5 | | | | | n.d. | | |
| Hexachlorobenzene | 118-74-1 | | | | | n.d. | | |
| 2-Chlorotoluene | 95-49-8 | | | | | n.d. | | |
| 3-Chlorotoluene | 108-41-8 | | | | | n.d. | | |
| 4-Chlorotoluene | 106-43-4 | | | | | n.d. | | |
| 2,3-Dichlorotoluene | 32768-54-0 | | | | | n.d. | | |
| 2,4-Dichlorotoluene | 95-73-8 | n.d. | | | | | | |
| 2,5-Dichlorotoluene | 19398-61-9 | n.d. | | | | | | |

| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | | Sample Name | Untreated Wastewater Sample | | | | |
|--|------------|---------------------------|-----------------------------|----------------------------|-----------------------------|-------------------------------------|--|
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | |
| | | Sampling Location | Untreated Wastewater | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | |
| | | Sample ID | AS-11122024-005 | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time |
| 2,6-Dichlorotoluene | 118-69-4 | USEPA 8270E | µg/L | 0,02 | Textile:0,2 Leather: 0,2 | n.d. | Maximum holding time not exceeded |
| 3,4-Dichlorotoluene | 95-75-0 | | | | | n.d. | |
| 3,5-Dichlorotoluene | 25186-47-4 | | | | | n.d. | |
| 2,3,4-Trichlorotoluene | 7359-72-0 | | | | | n.d. | |
| 2,3,6-Trichlorotoluene | 2077-46-5 | | | | | n.d. | |
| 2,4,5-Trichlorotoluene | 6639-30-1 | | | | | n.d. | |
| 2,4,6-Trichlorotoluene | 23749-65-7 | | | | | n.d. | |
| 3,4,5-Trichlorotoluene | 21472-86-6 | | | | | n.d. | |
| 2,3,4,5-Tetrachlorotoluene | 76057-12-0 | | | | | n.d. | |
| 2,3,5,6-Tetrachlorotoluene | 875-40-1 | | | | | n.d. | |
| 2,3,4,6-Tetrachlorotoluene | 29733-70-8 | | | | | n.d. | |
| Pentachlorotoluene | 877-11-2 | | | | | n.d. | |
| Table 1E : Chlorophenols | | | | | | | |
| 2-Chlorophenol | 95-57-8 | USEPA 3510C+ EPA 8041A | µg/L | 0,5 | Textile:0,5 Leather: 0,5 | n.d. | Maximum holding time not exceeded |
| 3-Chlorophenol | 108-43-0 | | | | | n.d. | |
| 4-Chlorophenol | 106-48-9 | | | | | n.d. | |
| 2,3-Dichlorophenol | 576-24-9 | | | | | n.d. | |
| 2,4-Dichlorophenol | 120-83-2 | | | | | n.d. | |
| 2,5-Dichlorophenol | 583-78-8 | | | | | n.d. | |
| 2,6-Dichlorophenol | 87-65-0 | | | | | n.d. | |
| 3,4-Dichlorophenol | 95-77-2 | | | | | n.d. | |
| 3,5-Dichlorophenol | 591-35-5 | | | | | n.d. | |
| 2,3,4-Trichlorophenol | 15950-66-0 | | | | | n.d. | |
| 2,3,5-Trichlorophenol | 933-78-8 | | | | | n.d. | |
| 2,3,6-Trichlorophenol | 933-75-5 | | | | | n.d. | |
| 2,4,5-Trichlorophenol | 95-95-4 | | | | | n.d. | |
| 2,4,6-Trichlorophenol | 88-06-2 | | | | | n.d. | |
| 3,4,5-Trichlorophenol | 609-19-8 | | | | | n.d. | |
| 2,3,4,5-Tetrachlorophenol | 4901-51-3 | | | | | n.d. | |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | | | | | n.d. | |
| 2,3,5,6-Tetrachlorophenol | 935-95-5 | n.d. | | | | | |
| Pentachlorophenol | 87-86-5 | n.d. | | | | | |

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| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | | |
| | | Sampling Location | Untreated Wastewater | | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | | |
| | | Sample ID | AS-11122024-005 | | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time | |
| Table 1F : N,N-di-methylformamide (DMFa) | | | | | | | | |
| Dimethyl formamide; N,N-dimethylformamide (DMFa) | 68-12-2 | EPA 5030 + EPA8260 | µg/L | 10 | Textile:1000 Leather: Sample and Report | n.d. | Maximum holding time not exceeded | |
| Table 1G : Dyes – Carcinogenic or Equivalent Concern | | | | | | | | |
| Basic violet 3 with >0.1% of Michler's Ketone | 548-62-9 | DIN 54231 | µg/L | 20 | Textile:500 Leather: 500 | n.d. | Maximum holding time not exceeded | |
| C.I. Acid Red 26 | 3761-53-3 | | | | | n.d. | | |
| C.I. Acid Violet 49 | 1694-09-3 | | | | | n.d. | | |
| C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) | 2580-56-5 | | | | | n.d. | | |
| C.I. Basic Green 4 (Malachite Green Chloride) | 569-64-2 | | | | | n.d. | | |
| C.I. Basic Green 4 (Malachite Green Oxalate) | 2437-29-8 | | | | | n.d. | | |
| C.I. Basic Green 4 (Malachite Green) | 10309-95-2 | | | | | n.d. | | |
| C.I. Basic Red 9 | 569-61-9 | | | | | n.d. | | |
| C.I. Basic Violet 14 | 632-99-5 | | | | | n.d. | | |
| C.I. Direct Black 38 | 1937-37-7 | | | | | n.d. | | |
| C.I. Direct Blue 6 | 2602-46-2 | | | | | n.d. | | |
| C.I. Direct Red 28 | 573-58-0 | | | | | n.d. | | |
| C.I. Disperse Blue 1 | 2475-45-8 | | | | | n.d. | | |
| C.I. Disperse Blue 3 | 2475-46-9 | | | | | n.d. | | |
| C.I. Disperse Orange 11 | 82-28-0 | n.d. | | | | | | |
| Table 1H : Dyes – Disperse (Allergenic) | | | | | | | | |
| Disperse Blue 102 | 12222-97-8 | With Reference to In House T512 (Modified from DIN 54231) ZDHC Wastewater Guidelines followed by LC-MS/MS analysis | µg/L | 20 | Textile:50 Leather: NA | n.d. | Maximum holding time not exceeded | |
| Disperse Blue 106 | 12223-01-7 | | | | | n.d. | | |
| Disperse Blue 124 | 61951-51-7 | | | | | n.d. | | |
| Disperse Blue 26 | 3860-63-7 | | | | | n.d. | | |
| Disperse Blue 35 | 12222-75-2, 56524-77-7 | | | | | n.d. | | |
| Disperse Blue 7 | 3179-90-6 | | | | | n.d. | | |
| Disperse Brown 1 | 23355-64-8 | | | | | n.d. | | |
| Disperse Orange 1 | 2581-69-3 | | | | | n.d. | | |
| Disperse Orange 3 | 730-40-5 | | | | | n.d. | | |
| Disperse Orange 37/59/76 | 13301-61-6 | | | | | n.d. | | |
| Disperse Red 1 | 2872-52-8 | | | | | n.d. | | |
| Disperse Red 11 | 2872-48-2 | | | | | n.d. | | |
| Disperse Red 17 | 3179-89-3 | | | | | n.d. | | |

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| | | Sampling Location | Untreated Wastewater | | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | | |
| | | Sample ID | AS-11122024-005 | | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time | |
| Disperse Yellow 1 | 119-15-3 | With Reference to In House T512 (Modified from DIN 54231) ZDHC Wastewater Guidelines followed by LC-MS/MS analysis | µg/L | 20 | Textile:50 Leather: NA | n.d. | Maximum holding time not exceeded | |
| Disperse Yellow 3 | 2832-40-8 | | | | | n.d. | | |
| Disperse Yellow 39 | 12236-29-2 | | | | | n.d. | | |
| Disperse Yellow 49 | 54824-37-2 | | | | | n.d. | | |
| Disperse Yellow 9 | 6373-73-5 | | | | | n.d. | | |
| Table 1I : Dyes – Navy Blue Colourant | | | | | | | | |
| Component 1: C39H23Cl-CrN7O12S 2Na | 118685-33-9 | DIN 54231 | µg/L | 20 | Textile: NA Leather: NA | This group is Not Applicable for testing in wastewater | - | |
| Component 2: C46H-30CrN10O20S2 3Na | Not Allocated | | | | | | | |
| Table 1J : Flame Retardants | | | | | | | | |
| 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) | 3296-90-0 | USEPA 8270E | µg/L | | Textile:25 Leather:25 | n.d. | Maximum holding time not exceeded | |
| Bis(2,3-dibromopropyl) phosphate (BDBPP) | 5412-25-9 | | | | | 0,1 | | |
| Decabromodiphenyl ether (DecaBDE) | 1163-19-5 | | | | | 0,03 | | |
| Hexabromocyclodecane (HBCDD) | 3194-55-6 | | | | | 0,03 | | |
| Octabromodiphenyl ether (OctaBDE) | 32536-52-0 | | | | | 0,03 | | |
| Pentabromodiphenyl ether (PentaBDE) | 32534-81-9 | | | | | 0,03 | | |
| Polybromobiphenyls (PBB) | 59536-65-1 | | | | | 0,03 | | |
| Tetrabromobisphenol A (TBBPA) | 79-94-7 | | | | | 0,1 | | |
| Tris-(2-chloro-1-methylethyl) phosphate (TCPP) | 13674-84-5 | | | | | 0,2 | | |
| Tris(1-aziridinyl) phosphine oxide (TEPA) | 545-55-1 | | | | | 0,1 | | |
| Tris(1,3-dichloro-isopropyl) phosphate (TDCP) | 13674-87-8 | | | | | 0,1 | | |
| Tris(2-chloroethyl) phosphate (TCEP) | 115-96-8 | | | | | 0,1 | | |
| Tris(2,3,-dibromopropyl)- phosphate (TRIS) | 126-72-7 | | | | | 0,1 | | |
| Decabromobiphenyl (DecaBB) | 13654-09-6 | | | | | 0,03 | | |
| Dibromobiphenyls (DiBB) | Multiple | | | | | 0,03 | | |
| Octabromobiphenyls (OctaBB) | | | | | | 0,03 | | |
| Dibromopropylether | 21850-44-2 | | | | | 0,03 | | |
| Heptabromodiphenyl ether (HeptaBDE) | 68928-80-3 | | | | | 0,03 | | |
| Hexabromodiphenyl ether (HexaBDE) | 36483-60-0 | | | | | 0,03 | | |
| Monobromobiphenyls (MonoBB) | Multiple | | | | | 0,03 | | |
| Monobromodiphenylethers (MonoBDEs) | | 0,03 | | | | | | |
| Nonabromobiphenyls (NonaBB) | | 0,03 | | | | | | |
| Nonabromodiphenyl ether (NonaBDE) | 63936-56-1 | 0,03 | | | | | | |

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| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | |
| | | Sampling Location | Untreated Wastewater | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | |
| | | Sample ID | AS-11122024-005 | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time |
| Tetrabromodiphenyl ether (TetraBDE) | 40088-47-9 | USEPA 8270E | µg/L | 0,03 | Textile:25 Leather:25 | n.d. | Maximum holding time not exceeded |
| Tribromodiphenylethers (TriBDEs) | Multiple | | | | | n.d. | |
| Boric acid | 10043-35-3, 11113-50-1 | USEPA 3050 + USEPA 6010D, ISO 11885 | µg/L | 50 | Textile:500 Leather:500 | n.d. | Maximum holding time not exceeded |
| Diboron trioxide | 1303-86-2 | | | | | | |
| Disodium octaborate | 12008-41-2 | | | | | | |
| Disodium tetraborate anhydrous | 1303-96-4, 1330-43-4 | | | | | | |
| Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | | | | | | |
| Table 1K : Glycols / Glycol Ethers | | | | | | | |
| 2-ethoxyethanol | 110-80-5 | USEPA 8270E | µg/L | 0,1 | Textile:50 Leather:50 | n.d. | Maximum holding time not exceeded |
| 2-ethoxyethyl acetate | 111-15-9 | | | | | | |
| 2-methoxyethanol | 109-86-4 | | | | | | |
| 2-methoxyethylacetate | 110-49-6 | | | | | | |
| 2-methoxypropylacetate | 70657-70-4 | | | | | | |
| Bis(2-methoxyethyl)-ether | 111-96-6 | | | | | | |
| Ethylene glycol dimethyl ether | 110-71-4 | | | | | | |
| Triethylene glycol dimethyl ether | 112-49-2 | | | | | | |
| Table 1L : Halogenated Solvents | | | | | | | |
| 1,2-dichloroethane | 107-06-2 | USEPA 5030 C 2003 + USEPA 8260 D 2017 | µg/L | 1 | Textile:1 Leather:1 | n.d. | Maximum holding time not exceeded |
| Methylene chloride | 75-09-2 | USEPA 8260D | | | | | |
| Tetrachloroethylene | 127-18-4 | | | | | | |
| Trichloroethylene | 79-01-6 | | | | | | |
| Table 1M : Organotin Compounds | | | | | | | |
| Dipropyltin compounds (DPT) | Multiple including 867-36-7 | ISO 17353 | µg/L | 0,01 | Textile:0,01 Leather: 0,01 | n.d. | Maximum holding time not exceeded |
| Mono-, di- and tri-butyltin derivatives | Multiple including 1118-46-3, 1461-22-9 | | | | | | |
| Mono-, di- and tri-methyltin derivatives | Multiple including 993-16-8, 753-73-1, 1066-45-1 | | | | | | |
| Mono-, di- and tri-octyltin derivatives | Multiple including 3091-25-6, 3542-36-7, 2587-76-0 | | | | | | |
| Mono-, di- and tri-phenyltin derivatives | Multiple including 1124-19-2, 1135-99-5, 639-58-7 | | | | | | |
| Tetrabutyltin Compounds (TeBT) | Multiple including 1461-25-2 | | | | | | |
| Tripropyltin Compounds (TPT) | Multiple including 2279-76-7 | | | | | | |
| Tetraoctyltin Compounds (TeOT) | Multiple including 3590-84-9 | | | | | | |
| Tricyclohexyltin (TCyHT) | Multiple including 3091-32-5 | | | | | | |
| Tetraethyltin Compounds (TeET) | Multiple including 597-64-8 | | | | | | |

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| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | | |
| | | Sampling Location | Untreated Wastewater | | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | | |
| | | Sample ID | AS-11122024-005 | | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time | |
| Table 1N : Other/Miscellaneous Chemicals | | | | | | | | |
| AEEA [2-(2-aminoethylamino)ethanol] | 111-41-1 | EPA 538 | µg/L | 10 | Textile:500 Leather: 500 | n.d. | Maximum holding time not exceeded | |
| Bisphenol A | 80-05-7 | DIN EN ISO 18254-1 | | 0,1 | Textile:10 Leather: 10 | n.d. | | |
| Thiourea | 62-56-6 | EPA 538 | | 10 | Textile:50 Leather: 50 | n.d. | | |
| Quinoline | 91-22-5 | EPA 538 | | 10 | Textile:50 Leather: 50 | n.d. | | |
| Borate, zinc salt | 12767-90-7 | USEPA 3050 + USEPA 6010D | | 10 | Textile:100 Leather: 100 | B: n.d. Zn: n.d. | | |
| Table 1O : Perfluorinated and Polyfluorinated Chemicals (PFCs) | | | | | | | | |
| Perfluorooctane sulfonate (PFOS) and related substances | Multiple including 1763-23-1 | DIN 38407-42 (Modified) | µg/L | 0,0006 | Textile:0,01 Leather: 0,01 | n.d. | Maximum holding time not exceeded | |
| Perfluorooctanoic acid (PFOA) and related substances | Multiple including 335-67-1 | | | | Textile:1 Leather: 1 | n.d. | | |
| Table 1P : Phthalates – Including All Other Esters of Ortho-Phthalic Acid | | | | | | | | |
| 1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP) | 71888-89-6, 84777-06-0 | USEPA 3510C 1996 + USEPA 8270E 2017 | µg/L | 0,5 | Textile:10 Leather: 10 | n.d. | Maximum holding time not exceeded | |
| 1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP) | 68515-42-4, 68515-50-4 | | | | | n.d. | | |
| Bis(2-methoxyethyl) phthalate (DMEP) | 117-82-8 | | | | | n.d. | | |
| Butyl benzyl phthalate (BBP) | 85-68-7 | | | | | n.d. | | |
| Di-cyclohexyl phthalate (DCHP) | 84-61-7 | | | | | n.d. | | |
| Di-iso-decyl phthalate (DIDP) | 26761-40-0 | | | | | n.d. | | |
| Di-iso-octyl phthalate (DIOP) | 27554-26-3 | | | | | n.d. | | |
| Di-isobutyl phthalate (DIBP) | 84-69-5 | | | | | n.d. | | |
| Di-isononyl phthalate (DINP) | 28553-12-0 | | | | | n.d. | | |
| Di-n-hexyl phthalate (DnHP) | 84-75-3 | | | | | n.d. | | |
| Di-n-octyl phthalate (DNOP) | 117-84-0 | | | | | n.d. | | |
| Di-n-pentylphthalates | 131-18-0 | | | | | n.d. | | |
| Di-n-propyl phthalate (DPRP) | 131-16-8 | | | | | n.d. | | |
| Di(ethylhexyl) phthalate (DEHP) | 117-81-7 | | | | | n.d. | | |
| Dibutyl phthalate (DBP) | 84-74-2 | | | | | n.d. | | |
| Diethyl phthalate (DEP) | 84-66-2 | | | | | n.d. | | |
| Diisopentylphthalates | 605-50-5 | | | | | n.d. | | |
| Dinonyl phthalate (DNP) | 84-76-4 | n.d. | | | | | | |
| Table 1Q : Polycyclic Aromatic Hydrocarbons (PAHs) | | | | | | | | |
| Acenaphthene | 83-32-9 | USEPA 3510C 1996 + USEPA 8270E 2017 | µg/L | 0,02 | Textile:1 Leather: 1 | n.d. | Maximum holding time not exceeded | |
| Acenaphthylene | 208-96-8 | | | | | n.d. | | |
| Anthracene | 120-12-7 | | | | | n.d. | | |

| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | | Sample Name | Untreated Wastewater Sample | | | | |
|--|------------|--|-----------------------------|----------------------------|-----------------------------|-------------------------------------|--|
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | |
| | | Sampling Location | Untreated Wastewater | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | |
| | | Sample ID | AS-11122024-005 | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time |
| Benzo[a]anthracene | 56-55-3 | USEPA 3510C 1996 + USEPA 8270E 2017 | µg/L | 0,02 | Textile:1 Leather: 1 | n.d. | Maximum holding time not exceeded |
| Benzo[a]pyrene (BaP) | 50-32-8 | | | | | n.d. | |
| Benzo[b]fluoranthene | 205-99-2 | | | | | n.d. | |
| Benzo[e]pyrene | 192-97-2 | | | | | n.d. | |
| Benzo[ghi]perylene | 191-24-2 | | | | | n.d. | |
| Benzo[j]fluoranthene | 205-82-3 | | | | | n.d. | |
| Benzo[k]fluoranthene | 207-08-9 | | | | | n.d. | |
| Chrysene | 218-01-9 | | | | | n.d. | |
| Dibenz[a,h]anthracene | 53-70-3 | | | | | n.d. | |
| Fluoranthene | 206-44-0 | | | | | n.d. | |
| Fluorene | 86-73-7 | | | | | n.d. | |
| Indeno[1,2,3-cd]pyrene | 193-39-5 | | | | | n.d. | |
| Naphthalene | 91-20-3 | | | | | n.d. | |
| Phenanthrene | 85-01-8 | | | | | n.d. | |
| Pyrene | 129-00-0 | | | | | n.d. | |
| Table 1R : Restricted Aromatic Amines (Cleavable from Azo-Colourants) | | | | | | | |
| 2-naphthylamine | 91-59-8 | USEPA 8270E | µg/L | 0,1 | Textile:0,1 Leather: 0,1 | n.d. | Maximum holding time not exceeded |
| 2-Naphthylammoniumacetate | 553-00-4 | | | | | n.d. | |
| 2,4-xylidine | 95-68-1 | | | | | n.d. | |
| 2,4,5-trimethylaniline | 137-17-7 | | | | | n.d. | |
| 2,4,5-trimethylaniline hydrochloride | 21436-97-5 | | | | | n.d. | |
| 2,6-xylidine | 87-62-7 | | | | | n.d. | |
| 3,3'-dichlorobenzidine | 91-94-1 | | | | | n.d. | |
| 3,3-dimethoxybenzidine | 119-90-4 | | | | | n.d. | |
| 3,3-dimethylbenzidine | 119-93-7 | | | | | n.d. | |
| 4-aminoazobenzene | 60-09-3 | | | | | n.d. | |
| 4-aminodiphenyl | 92-67-1 | | | | | n.d. | |
| 4-chloro-o-toluidine | 95-69-2 | | | | | n.d. | |
| 4-chloro-o-toluidinium chloride | 3165-93-3 | | | | | n.d. | |
| 4-chloroaniline | 106-47-8 | | | | | n.d. | |
| 4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisoole sulphate | 39156-41-7 | | | | | n.d. | |
| 4-methoxy-m-phenylenediamine | 615-05-4 | n.d. | | | | | |
| 4-methyl-m-phenylenediamine | 95-80-7 | n.d. | | | | | |

| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | | Sample Name | Untreated Wastewater Sample | | | | |
|--|------------|---------------------------|-----------------------------|----------------------------|-----------------------------|-------------------------------------|--|
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | |
| | | Sampling Location | Untreated Wastewater | | | | |
| | | Sampling Start - End time | 10:30 – 16:30 | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | |
| | | Sample ID | AS-11122024-005 | | | | |
| Items | CAS No. | Methods | Unit | Laboratory Reporting Limit | (V2.2) ZDHC Reporting Limit | Untreated Wastewater Sample Results | Has the Parameter(s) Exceeded the Maximum Holding Time |
| 4,4-methylenebis-(2-chloro-aniline) | 101-14-4 | USEPA 8270E | µg/L | 0,1 | Textile:0,1 Leather: 0,1 | n.d. | Maximum holding time not exceeded |
| 4,4-methylenedi-o-toluidine | 838-88-0 | | | | | n.d. | |
| 4,4-methylenedianiline | 101-77-9 | | | | | n.d. | |
| 4,4-oxydianiline | 101-80-4 | | | | | n.d. | |
| 4,4-thiodianiline | 139-65-1 | | | | | n.d. | |
| 5-nitro-o-toluidine | 99-55-8 | | | | | n.d. | |
| 6-methoxy-m-toluidine | 120-71-8 | | | | | n.d. | |
| Benzidine | 92-87-5 | | | | | n.d. | |
| o-aminoazotoluene | 97-56-3 | | | | | n.d. | |
| o-anisidine | 90-04-0 | | | | | n.d. | |
| o-toluidine | 95-53-4 | | | | | n.d. | |
| Table 1S : UV Absorbers | | | | | | | |
| 2-(2H-benzotriazol-2-yl) - 4-(tert-butyl)-6-(sec-butyl) phenol (UV-350) | 36437-37-3 | USEPA 8270 | µg/L | 1 | Textile:100 Leather: 100 | n.d. | Maximum holding time not exceeded |
| 2-(2H-benzotriazol-2-yl) - 4,6-ditertpentylphenol (UV-328) | 25973-55-1 | | | | | n.d. | |
| 2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320) | 3846-71-7 | | | | | n.d. | |
| 2,4-Di-tert-butyl- 6-(5- chlorobenzotriazole-2-yl) Phenol (UV-327) | 3864-99-1 | | | | | n.d. | |
| Table 1T : Volatile Organic Compounds (VOC) | | | | | | | |
| Benzene | 71-43-2 | USEPA 8260D | µg/L | 1 | Textile:1 Leather: 1 | n.d. | Maximum holding time not exceeded |
| Xylene | 1330-20-7 | | | | | n.d. | |
| Toluene | 108-88-3 | EPA 8260 D | | | | n.d. | |
| m-cresol | 108-39-4 | USEPA 3510C + EPA 8041A | 0,5 | n.d. | | | |
| o-cresol | 95-48-7 | | | n.d. | | | |
| p-cresol | 106-44-5 | | | n.d. | | | |

Remarks: N.D. = Not Detected , NA = Not Applicable

Sampling Photos




ZDHC Wastewater Sampling Field Data Form

| ALKA LABORATORIES | | NUMUNE ALMA TUTANAĞI | | | | SERİNGİ | |
|---|--|---|--|--|--|--|--|
| Numuneye Erişim Rütusu Talep Yüzü: <input type="checkbox"/> Par <input type="checkbox"/> Yok Tarih: Sayısı: | | Teslim Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. Teslim Adresi: KARACASU KARAZİYARET, FATİH SULTAN MEHMET CADDESİ 1/A, 46090 DÜLKADİROĞLU / KAHRAMANMARAŞ Tel: 03442363800 Fax: 03442363800 Vergi Dairesi: | | | | DOKÜMAN NO: F 30 REVİZYON TARİHİ: 17.06.2021-05 YAYIN TARİHİ: 08.05.2007 SAYFA NO: 1/2 | |
| Hava Durumu: <u>Güneşli</u> Hava Sıcaklığı: <u>18</u> °C Koordinatlar: <u>37°31'47.13" - 36°58'43.18"</u> | | Cinsi: ATIKSU Alınış Tarihi: <u>10.12.2024</u> Saati: <u>10:30 - 16:30</u> Alınış Noktası: A.A.T. GİRİŞ Alınış Amacı: ZDHC ANALİZİ Saklıt Numune Teslimi: <input checked="" type="checkbox"/> İstenmemiştir <input type="checkbox"/> İstenmiştir <input checked="" type="checkbox"/> adet numune alınmış olup, <input type="checkbox"/> adet şahit numune teslim edilmiştir. | | | | Alınış Sebebi: <input type="checkbox"/> Anlık <input checked="" type="checkbox"/> Kompozit 6 saatlik <input type="checkbox"/> Kompozit 24 saatlik | |
| Su-Arıtma-Dezite Sayısı, İçme ve Kullanılabilir Su Sayısı: Toprak Numunesi: Toprak kirliliğine sebep olan madde veya test vb. Zemin Yapısı: <input type="checkbox"/> EVET (<input type="checkbox"/> Sulu <input type="checkbox"/> Kuru) <input checked="" type="checkbox"/> HAYIR Numunesinin temsil ettiği tarla veya arazi büyüklüğü: Katı Atık Numunesi: Cinsi: <input type="checkbox"/> Evsel <input type="checkbox"/> Endüstriyel <input type="checkbox"/> Evsel ve Endüstriyel Yıkılı Numunesi: Cinsi: | | Sektör Tablo No: ZDHC WWG V2.1 TABLO 1A - 1T ARASI Numune Sıcaklığı: <u>33.2</u> °C pH: <u>9.62</u> Elektriksel İletkenlik: <u>8120</u> µS/cm Tuzluluk: <u>4.16</u> Çözünmüş Oksijen (mg/L): <u>6.66</u> Oksijen Doymululuğu(%): <u>67.8</u> Derinlik: m Debi: m ³ /saniye Sıcaklık: m | | | | Özet Notlar: ALKA ÇEVRE LAB. MÜHÜR İLE MÜHÜRLENMİŞTİR. <u>26977</u> | |
| İki bu tutanak tarafımıza imza altına alınmış olup, yukarıdaki nitelikleri belirtilen numune tesis sahibi veya vekil gözetiminde yerinde alınarak ambalajlanmıştır ve mühürlenmiştir. Tutanağın ek sayfası: <input type="checkbox"/> vardır (..... sayfa) <input checked="" type="checkbox"/> yoktur | | Yetkili İmzalar: <u>Muammer KEŞKİN</u> Numune Alınan Yerin Sahibi veya Yetkili: <u>Kıbrca Deniz</u> | | | | ALKA İNŞAAT TEKSTİL ELEKTRİK ÇEVRE SAN. VE TİC. LTD. ŞTİ. Merkez: İstanbul Deri OSB Arama Cad. Dilek Sok. No:2/A Tuzla / İSTANBUL - Gebze Şube: Yenikent Mah. 2402 Sok. No:17/A Gebze/KOCAELİ Telefon: 0 216 446 91 22 - 0 262 721 41 41 E-mail: alka@alkacevre.com.tr Web: http://www.alkacevre.com.tr | |

Sampler ID : ZDHC-A-24-E-C001068-R41DC-F4D05
 ZDHC-A-24-E-C001068-R41DC-F4D05

| ALKA LABORATORIES | | NUMUNE ALMA TUTANAĞI | | | | SERİNGİ | |
|---|--|--|--|--|--|--|--|
| Numuneye Erişim Rütusu Talep Yüzü: <input type="checkbox"/> Par <input type="checkbox"/> Yok Tarih: Sayısı: | | Teslim Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. Teslim Adresi: KARACASU KARAZİYARET, FATİH SULTAN MEHMET CADDESİ 1/A, 46090 DÜLKADİROĞLU / KAHRAMANMARAŞ Tel: 03442363800 Fax: 03442363800 Vergi Dairesi: | | | | DOKÜMAN NO: F 30 REVİZYON TARİHİ: 17.06.2021-05 YAYIN TARİHİ: 08.05.2007 SAYFA NO: 2/2 | |
| Hava Durumu: Hava Sıcaklığı: °C Koordinatlar: | | Cinsi: ATIKSU Alınış Tarihi: Saati: Alınış Noktası: A.A.T. GİRİŞ Alınış Amacı: ZDHC ANALİZİ Saklıt Numune Teslimi: <input type="checkbox"/> İstenmemiştir <input type="checkbox"/> İstenmiştir <input type="checkbox"/> adet numune alınmış olup, <input type="checkbox"/> adet şahit numune teslim edilmiştir. | | | | Alınış Sebebi: <input type="checkbox"/> Anlık <input type="checkbox"/> Kompozit 6 saatlik <input type="checkbox"/> Kompozit 24 saatlik | |
| Su-Arıtma-Dezite Sayısı, İçme ve Kullanılabilir Su Sayısı: Toprak Numunesi: Toprak kirliliğine sebep olan madde veya test vb. Zemin Yapısı: <input type="checkbox"/> EVET (<input type="checkbox"/> Sulu <input type="checkbox"/> Kuru) <input checked="" type="checkbox"/> HAYIR Numunesinin temsil ettiği tarla veya arazi büyüklüğü: Katı Atık Numunesi: Cinsi: <input type="checkbox"/> Evsel <input type="checkbox"/> Endüstriyel <input type="checkbox"/> Evsel ve Endüstriyel Yıkılı Numunesi: Cinsi: | | Sektör Tablo No: ZDHC WWG V2.1 TABLO 1A - 1T ARASI Numune Sıcaklığı: °C pH: Elektriksel İletkenlik: µS/cm Tuzluluk: Çözünmüş Oksijen (mg/L): Oksijen Doymululuğu(%): Derinlik: m Debi: m ³ /saniye Sıcaklık: m | | | | Özet Notlar: ALKA ÇEVRE LAB. MÜHÜR İLE MÜHÜRLENMİŞTİR. | |
| İki bu tutanak tarafımıza imza altına alınmış olup, yukarıdaki nitelikleri belirtilen numune tesis sahibi veya vekil gözetiminde yerinde alınarak ambalajlanmıştır ve mühürlenmiştir. Tutanağın ek sayfası: <input type="checkbox"/> vardır (..... sayfa) <input checked="" type="checkbox"/> yoktur | | Yetkili İmzalar: <u>Muammer KEŞKİN</u> Numune Alınan Yerin Sahibi veya Yetkili: <u>Kıbrca Deniz</u> | | | | ALKA İNŞAAT TEKSTİL ELEKTRİK ÇEVRE SAN. VE TİC. LTD. ŞTİ. Merkez: İstanbul Deri OSB Arama Cad. Dilek Sok. No:2/A Tuzla / İSTANBUL - Gebze Şube: Yenikent Mah. 2402 Sok. No:17/A Gebze/KOCAELİ Telefon: 0 216 446 91 22 - 0 262 721 41 41 E-mail: alka@alkacevre.com.tr Web: http://www.alkacevre.com.tr | |

Sampler ID : ZDHC-A-24-E-C001068-R41DC-F4D05

| | | |
|---|---|--|
| <p>PREPARED Report Responsible</p> | <p>APPROVED Laboratory Manager</p> | <p>SEAL</p>  |
|---|---|--|

This certificate is a qualified electronic certificate according to the Electronic Signature Law No. 5070. This report is archived electronically by our laboratory.

END OF REPORT

TEST REPORT

FACTORY INFORMATION

| | |
|----------------------------------|--|
| Name | : KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. |
| Address | : Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ |
| Telephone / Fax | : 0 344 236 38 00 |
| VAT Office / Number | : - |
| Application Date / Number | : 10.09.2024 / T-94795-2024-02 |

SAMPLE INFORMATION

| | |
|-------------------------------|--|
| Sample Type | : Wastewater |
| Sample Name | : Effluent Sample |
| Number of Samples | : 1 |
| Date of Sampling | : 10.12.2024 |
| Sampling Location | : Effluent (N: 37° 31'45.08'' - E: 36° 58'39.50'') |
| Sampling Method | : 6 Hours Composite |
| Sample Arrival Type | : Sampling by our Laboratory (Seal: 26976) |
| Sample Arrival Date | : 11.12.2024 |
| Sample ID | : AS-11122024-004 |
| Test Performing Period | : 11.12.2024 - 26.12.2024 |
| Report Date | : 20.01.2025 |
| Report Number | : R-94795-2025-002 |

TYPE OF WASTEWATER DISCHARGE

| | |
|---|---|
| Type of Wastewater Discharge | : Direct Discharge |
| Average Total Industrial Wastewater Generated | : 335,28 m ³ /day |
| Sampling Method | : Composite Sample at (11:00 - 12:00 - 13:00 - 14:00 - 15:00 - 16:00 - 17:00) |
| Arrival Temperature at Lab | : 5,1 °C |
| Comments | : Samples received within 16 hours. |
| Sampler Accreditation Certification Number | : ZDHC-A-24-E-C001068-R41DC-F4D05 |
| Has the Parameter(s) Exceeded Maximum Holding Time | : Not Exceeded |

| | | | |
|---|----------------------------------|-----------------|---|
| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | Sample Name | Effluent Sample | Limit Values According to ZDHC Wastewater Guidelines Version 2.2 |
| | Date of Sampling | 10.12.2024 | |
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | Sampling Location | Effluent | |
| | Sampling Start - End time | 11:00 – 17:00 | |
| | Sample Arrival Date | 11.12.2024 | |
| | Sample ID | AS-11122024-004 | |

| Items | CAS No. | Methods | Lab Reporting Limit | Unit | Effluent Sample Results | Foundational Limit mg/L | Progressive Limit mg/L | Aspirational Limit mg/L |
|-------|---------|---------|---------------------|------|-------------------------|-------------------------|------------------------|-------------------------|
|-------|---------|---------|---------------------|------|-------------------------|-------------------------|------------------------|-------------------------|

TABLE 2 : ZDHC HEAVY METAL WASTEWATER PARAMETERS AND LIMITS

| | | | | | | | | |
|----------------------|---|---------------------------|-------|------|--------------|---|---------------------------------|--------------------------------|
| Antimony (Sb) | - | USEPA 3051A + USEPA 200.7 | 0,005 | mg/L | n.d. | Textile and Leather: 0,1 | Textile and Leather: 0,05 | Textile and Leather: 0,01 |
| Arsenic (As) | - | USEPA 3051A + USEPA 200.7 | 0,005 | | n.d. | Textile and Leather: 0,05 | Textile and Leather: 0,01 | Textile and Leather:0,005 |
| Barium (Ba) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | 0,066 | Textile and Leather: Sample and report only | | |
| Selenium (Se) | - | USEPA 3051A + USEPA 200.7 | 0,005 | | n.d. | | | |
| Tin (Sn) | - | ISO 11885 | 0,05 | | n.d. | | | |
| Cadmium (Cd) | - | USEPA 3051A + USEPA 200.7 | 0,003 | | n.d. | Textile and Leather: 0,1 | Textile and Leather: 0,05 | Textile and Leather: 0,01 |
| Chromium (VI) | - | SM 3500-Cr B | 0,001 | | 0,009 | Textile: 0,05 Leather: 0,15 | Textile: 0,005 Leather: 0,05 | Textile: 0,001 Leather:0,02 |
| Chromium, total (Cr) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | n.d. | Textile: 0,2 Leather: 1,5 | Textile: 0,1 Leather: 0,8 | Textile: 0,05 Leather: 0,3 |
| Cobalt (Co) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | n.d. | Textile and Leather: 0,05 | Textile and Leather: 0,02 | Textile and Leather: 0,01 |
| Copper (Cu) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | n.d. | Textile and Leather: 1 | Textile and Leather: 0,5 | Textile and Leather: 0,25 |
| Lead (Pb) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | n.d. | Textile and Leather: 0,1 | Textile and Leather: 0,05 | Textile and Leather: 0,01 |
| Mercury (Hg) | - | ISO 11885 | 0,001 | | n.d. | Textile and Leather: 0,01 | Textile and Leather:0,005 | Textile and Leather:0,001 |
| Nickel (Ni) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | n.d. | Textile and Leather: 0,2 | Textile and Leather: 0,1 | Textile and Leather: 0,05 |
| Silver (Ag) | - | USEPA 3051A + USEPA 200.7 | 0,005 | | n.d. | Textile and Leather: 0,1 | Textile and Leather: 0,05 | Textile and Leather:0,005 |
| Zinc (Zn) | - | USEPA 3051A + USEPA 200.7 | 0,01 | | n.d. | Textile and Leather: 5 | Textile and Leather: 1 | Textile and Leather: 0,5 |

TABLE 3 : ZDHC CONVENTIONAL AND ANION WASTEWATER PARAMETERS AND LIMITS

| | | | | | | | | |
|---|---|---------------|------|------------------|---------------|---|------------------------------|------------------------------|
| Ammonium-Nitrogen | - | SM 4500 NH3-F | 0,01 | mg/L | 0,596 | Textile: 10 Leather: 15 | Textile: 1 Leather: 10 | Textile: 0,5 Leather: 1 |
| AOX | - | HACH LCK 390 | 0,1 | | n.d. | Textile: 3 Leather: 3 | Textile: 0,5 Leather: 0,5 | Textile: 0,1 Leather: 0,1 |
| Biochemical Oxygen Demand 5-days concentration (BOD5) | - | SM 5210-B | 2 | | 12,25 | Textile: 30 Leather: 50 | Textile: 15 Leather: 30 | Textile: 8 Leather: 20 |
| Chemical Oxygen Demand (COD) | - | SM 5220-D | 5 | | 44 | Textile: 150 Leather: 250 | Textile: 80 Leather: 150 | Textile: 40 Leather: 100 |
| Chloride | - | ISO 10304-1 | 0,1 | | 2350,2 | Textile and Leather: Sample and report only | | |
| Colour (436 nm) | - | ISO 7887-B | 0,3 | m ⁻¹ | 2,48 | 7 | 5 | 2 |
| Colour (525 nm) | - | | | | 1,26 | 5 | 3 | 1 |
| Colour (620 nm) | - | | | | 0,88 | 3 | 2 | 1 |
| Cyanide, total | - | APHA 4500-CN | 0,02 | mg/L | n.d. | Textile: 0,2 Leather: NA | Textile: 0,1 Leather: NA | Textile: 0,05 Leather: NA |
| Dissolved Oxygen (DO) | - | SM 4500-O-G | - | mg/L | 5,09 | Textile and Leather: ≥ 4 | | |
| E.coli | - | ISO 9308-2 | 1,8 | MPN/100-ml | n.d. | Textile and Leather: 126 MPN/100-ml | | |
| Oil & Grease | - | ISO 9377-2 | 0,1 | mg/L | 0,219 | Textile: 10 Leather: 20 | Textile: 2 Leather: 10 | Textile: 0,5 Leather: 5 |
| Persistent Foam | - | Visual | - | Absent / Present | Absent | Textile and Leather: No indication of Persistent foam in receiving water | | |

| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | | Sample Name | Effluent Sample | Limit Values According to ZDHC Wastewater Guidelines Version 2.2 | | | | |
|---|---------|---------------------------|---------------------|--|-------------------------|---|-------------------------------|--------------------------------|
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | Date of Sampling | 10.12.2024 | | | | | |
| | | Sampling Location | Effluent | | | | | |
| | | Sampling Start - End time | 11:00 – 17:00 | | | | | |
| | | Sample Arrival Date | 11.12.2024 | | | | | |
| | | Sample ID | AS-11122024-004 | | | | | |
| Items | CAS No. | Methods | Lab Reporting Limit | Unit | Effluent Sample Results | Foundational Limit mg/L | Progressive Limit mg/L | Aspirational Limit mg/L |
| pH | | SM 4500-H | 6-9 | - | 7,93 | Textile and Leather: 6 - 9 | | |
| Total Phenols / Phenol Index | | SM 5530-B | 0,001 | mg/L | n.d. | Textile: 0,5 Leather: 0,5 | Textile: 0,01 Leather: 0,3 | Textile: 0,001 Leather: 0,1 |
| Sulfate | | ISO 10304-1 | 0,1 | | 1228,2 | Textile and Leather: Sample and report only | | |
| Sulfide | | SM 4500-S2-D | 0,01 | | n.d. | Textile: 0,5 Leather: 1 | Textile: 0,05 Leather: 0,5 | Textile: 0,01 Leather: 0,2 |
| Sulfite | | SM 4500-SO32-C | 0,1 | | 0,106 | Textile: 2 Leather: 2 | Textile: 0,5 Leather: 0,5 | Textile: 0,2 Leather: 0,2 |
| Temperature difference | | SM 2550-B | - | | °C | 6,8 | Δ+15 | Δ+10 |
| Total Chlorine | | SM 4500-Cl G | 0,03 | mg/L | n.d. | Textile and Leather: 1 | | |
| Total Dissolved Solids (TDS) | | SM 2540-C | 10 | | 3220 | Textile and Leather: Sample and report only | | |
| Total Nitrogen | | ISO 20236 | 0,25 | | 12,36 | Textile: 20 Leather: 35 | Textile: 10 Leather: 20 | Textile: 5 Leather: 10 |
| Total Phosphorus | | USEPA 200.7 | 0,05 | | 2,96 | Textile: 3 Leather: 3 | Textile: 0,5 Leather: 1 | Textile: 0,1 Leather: 0,5 |
| Total Suspended Solids (TSS) | | SM 2540D | 5 | | 45 | Textile: 50 Leather: 70 | Textile: 15 Leather: 50 | Textile: 5 Leather: 20 |

Remarks: N.D. = Not Detected , NA = Not Applicable

Sampling Photos




ZDHC Wastewater Sampling Field Data Form

| ALKA LABORATORIES | | NEMUNE ALMA TUTANAĞI | | SERİ/NO: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|------------------------------|--|--------------------------|-------------------------------------|------------------------|-------------------------------------|------------|--------------|---|-----------|-----------------|---|---------|-----|------------------|---|--|---|--|--|--|--|---|--|--|--|------------------------------|---|--|---|--|--|--|--|--|--|--|----------------|---|--|---|--|--|--|--|--|--|--|------------------|---|--|---|--|--|--|--|--|--|--|----------------|---|--|---|--|--|--|--|---|-----|-----|--------|---|--|---|--|--|--|--|--|---|-----|-----|------------------|---|---|--|--|--|--|--|--|---|---------|-----|--------|---|--|--|--|--|--|--|--|---|------------|--------|--|--|--|--|--|--|--|--|--|--|--|
| Nümuneye Karş. Renkli Tıpaç Yapıtı: <input type="checkbox"/> Har <input type="checkbox"/> Yeşil Zırık: _____ Sayısı: _____ | | Testin Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. Testin Adresi: KARACASU KARAZIYARET, FATİH SULTAN MEHMET CADDESİ 1/A, 46990 DÜLKADİROĞLU / KAHRAMANMARAŞ Tel: 03442363800 Fax: 03442363800 Vergi Dairesi: _____ Vergi: _____ | | Class : ATIKSU Alınış Tarihi: 10.12.2024 Saat: 11:00 - 12:00 Alınış Noktası: A.A.T. ÇIKIŞ Alınış Amacı: ZDHC ANALİZİ Sahibi Numune Teslimi: <input checked="" type="checkbox"/> İnternasyonal <input type="checkbox"/> İnternasyonal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hava Durumu: Güneşli Hava Sıcaklığı: 18 °C Koordinatlar: _____ | | Alınış Şekli: <input type="checkbox"/> Anlık <input type="checkbox"/> Anlık <input type="checkbox"/> Kompozit 6 saatlik <input type="checkbox"/> Kompozit 24 saatlik | | 1 adet numune alınmış olup, _____ adet daha numune teslim edilmiştir. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Su Arıtma-Dezite Sayısı, İçme ve Kullanma Sayısı Numarası: _____ Çürütme Ölçümü (mg/L): 5,09 Okunmuş Doğruluk (%): 7718 Değerlik: _____ m Dibi: _____ Seccih Dibi: _____ m | | Sektör Tablo No: ZDHC WWG V3.1 TABLO 2 ve TABLO 3 Numune Sıcaklığı: 24,6 °C pH: 7,93 Elektriksel Hedeflik: 5936 uS/cm Tuzluluk: % 3,12 Toprak Numarası: _____ Zımsat Yapıyı: <input type="checkbox"/> EYET <input type="checkbox"/> Sulu <input type="checkbox"/> Kara <input type="checkbox"/> HAYIR Numunenin teslim edildiği tarih veya aralık büyüklüğü: _____ | | Kan Arık Numarası: _____ Yalut Numarası: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Kap No</th> <th>Nümunne Kabı Cinsi</th> <th>Nümunne Miktarı</th> <th>Bakılacak Parametre(ler)</th> <th>Seçilmiştir</th> <th>BiNO₃ pH<2</th> <th>H₂SO₄ pH<2</th> <th>NaOH pH>12</th> <th>Çinko Asetat</th> <th>EDTA</th> <th>BICI pH<2</th> <th>Özellik Notları</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Plastik</td> <td>1 L</td> <td>Ammonia-Nitrogen</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="5">ALKA ÇEVRE LAB 26996 NOLU MÜHÜR İLE MÜHÜRLENMİŞTİR.</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Chemical Oxygen Demand (COD)</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total Nitrogen</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total Phosphorus</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Oil and Grease</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Cam</td> <td>1 L</td> <td>Phenol</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Cam</td> <td>1 L</td> <td>ADX Heavy Metals</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>Plastik</td> <td>1 L</td> <td>E coli</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Steril Kap</td> <td>0.25 L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | Kap No | Nümunne Kabı Cinsi | Nümunne Miktarı | Bakılacak Parametre(ler) | Seçilmiştir | BiNO ₃ pH<2 | H ₂ SO ₄ pH<2 | NaOH pH>12 | Çinko Asetat | EDTA | BICI pH<2 | Özellik Notları | 1 | Plastik | 1 L | Ammonia-Nitrogen | ✓ | | ✓ | | | | | ALKA ÇEVRE LAB 26996 NOLU MÜHÜR İLE MÜHÜRLENMİŞTİR. | | | | Chemical Oxygen Demand (COD) | ✓ | | ✓ | | | | | | | | Total Nitrogen | ✓ | | ✓ | | | | | | | | Total Phosphorus | ✓ | | ✓ | | | | | | | | Oil and Grease | ✓ | | ✓ | | | | | 2 | Cam | 1 L | Phenol | ✓ | | ✓ | | | | | | 3 | Cam | 1 L | ADX Heavy Metals | ✓ | ✓ | | | | | | | 4 | Plastik | 1 L | E coli | ✓ | | | | | | | | 5 | Steril Kap | 0.25 L | | | | | | | | | | İki bu tutanak tarafından imza altına alınmış olup, yukarıda belirtilen numune tesis sahibi veya vekil güvencisinde yerinde alınarak ambalajlanıp ve mühürlenmiştir. Tutanağın iki nüshası: <input type="checkbox"/> vade () sayfa () | |
| Kap No | Nümunne Kabı Cinsi | Nümunne Miktarı | Bakılacak Parametre(ler) | Seçilmiştir | BiNO ₃ pH<2 | H ₂ SO ₄ pH<2 | NaOH pH>12 | Çinko Asetat | EDTA | BICI pH<2 | Özellik Notları | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Plastik | 1 L | Ammonia-Nitrogen | ✓ | | ✓ | | | | | ALKA ÇEVRE LAB 26996 NOLU MÜHÜR İLE MÜHÜRLENMİŞTİR. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Chemical Oxygen Demand (COD) | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Total Nitrogen | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Total Phosphorus | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Oil and Grease | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Cam | 1 L | Phenol | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Cam | 1 L | ADX Heavy Metals | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Plastik | 1 L | E coli | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Steril Kap | 0.25 L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yetkili İmza: <i>Muammer KESKİNGİL</i> | | Numune Alınış Yeri Sahibi veya Yetkili: _____ | | ALKA İNŞAAT YATIRIM, İNTERTRİK ÇEVRE SAN. VE TİC. LTD. ŞTİ. Merkez: İstanbul Deri OSB Arma Cad. No: 2/A - Tuzla / İSTANBUL - Gebze Şişe Temizleme Mah. 2402 Sok. No: 17/A Gebze/KOCAELİ Telefon: 0 216 446 91 22 - 0 262 721 41 41 E-mail: alka@alkacevre.com.tr Web: http://www.alkacevre.com.tr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ALKA LABORATORIES | | NEMUNE ALMA TUTANAĞI | | SERİ/NO: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|---|--|--------------------------|-------------------------------------|------------------------|-------------------------------------|------------|--------------|--|-----------|-----------------|---|---------|-----|-----------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------------|---|--|--|--|--|--|--|--|--|--|------------------|---|--|--|--|--|--|--|--|--|--|--------------------------------------|---|--|--|--|--|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|------------------------------|---|--|--|--|--|--|--|--|---|---------|-----|---------|---|--|--|---|--|--|--|--|---|---------|--------|---------|---|--|--|---|---|--|--|---|---|---------|-------|---------|---|--|--|--|--|---|--|---|----|-----|-------|--------------|---|--|--|--|--|--|--|---|--|--|
| Nümuneye Karş. Renkli Tıpaç Yapıtı: <input type="checkbox"/> Har <input type="checkbox"/> Yeşil Zırık: _____ Sayısı: _____ | | Testin Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. Testin Adresi: KARACASU KARAZIYARET, FATİH SULTAN MEHMET CADDESİ 1/A, 46990 DÜLKADİROĞLU / KAHRAMANMARAŞ Tel: 03442363800 Fax: 03442363800 Vergi Dairesi: _____ Vergi: _____ | | Class : ATIKSU Alınış Tarihi: _____ Saat: _____ Alınış Noktası: A.A.T. ÇIKIŞ Alınış Amacı: ZDHC ANALİZİ Sahibi Numune Teslimi: <input type="checkbox"/> İnternasyonal <input type="checkbox"/> İnternasyonal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hava Durumu: _____ Hava Sıcaklığı: _____ °C Koordinatlar: _____ | | Alınış Şekli: <input type="checkbox"/> Anlık <input type="checkbox"/> Anlık <input type="checkbox"/> Kompozit 6 saatlik <input type="checkbox"/> Kompozit 24 saatlik | | 1 adet numune alınmış olup, _____ adet daha numune teslim edilmiştir. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Su Arıtma-Dezite Sayısı, İçme ve Kullanma Sayısı Numarası: _____ Çürütme Ölçümü (mg/L): _____ Okunmuş Doğruluk (%): _____ Değerlik: _____ m Dibi: _____ Seccih Dibi: _____ m | | Sektör Tablo No: ZDHC WWG V3.1 TABLO 2 ve TABLO 3 Numune Sıcaklığı: _____ °C pH: _____ Elektriksel Hedeflik: _____ uS/cm Tuzluluk: % _____ Toprak Numarası: _____ Zımsat Yapıyı: <input type="checkbox"/> EYET <input type="checkbox"/> Sulu <input type="checkbox"/> Kara <input type="checkbox"/> HAYIR Numunenin teslim edildiği tarih veya aralık büyüklüğü: _____ | | Kan Arık Numarası: _____ Yalut Numarası: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Kap No</th> <th>Nümunne Kabı Cinsi</th> <th>Nümunne Miktarı</th> <th>Bakılacak Parametre(ler)</th> <th>Seçilmiştir</th> <th>BiNO₃ pH<2</th> <th>H₂SO₄ pH<2</th> <th>NaOH pH>12</th> <th>Çinko Asetat</th> <th>EDTA</th> <th>BICI pH<2</th> <th>Özellik Notları</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>Plastik</td> <td>1 L</td> <td>Total Chlorine - mg/L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td rowspan="5">ALKA ÇEVRE LAB MÜHÜR İLE MÜHÜRLENMİŞTİR.</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total Dissolved Solids (TDS)</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Chloride Sulfate</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Colour (Pt-Co) (436nm: 625nm: 620nm)</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Biological Oxygen Demand 5 - days concentration (BOD₅)</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total Suspended Solids (TSS)</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>Plastik</td> <td>1 L</td> <td>Cyanide</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td>NaOH - pH<2 0.1 ml of 10% Sodium Thiosulfate Keep cool - between 2°C and 8°C</td> </tr> <tr> <td>8</td> <td>Plastik</td> <td>0.25 L</td> <td>Sulfide</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>4 drops 2% zinc acetate NaOH - pH<2 Keep cool - between 2°C and 8°C</td> </tr> <tr> <td>9</td> <td>Plastik</td> <td>0.1 L</td> <td>Sulfite</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td>Lead 2% NaOH Keep cool - between 2°C and 8°C</td> </tr> <tr> <td>10</td> <td>Cam</td> <td>0.1 L</td> <td>Chromat (VI)</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.4% zinc acetate NaOH - pH<2 Keep cool - between 2°C and 8°C</td> </tr> </tbody> </table> | | Kap No | Nümunne Kabı Cinsi | Nümunne Miktarı | Bakılacak Parametre(ler) | Seçilmiştir | BiNO ₃ pH<2 | H ₂ SO ₄ pH<2 | NaOH pH>12 | Çinko Asetat | EDTA | BICI pH<2 | Özellik Notları | 6 | Plastik | 1 L | Total Chlorine - mg/L | | | | | | | | ALKA ÇEVRE LAB MÜHÜR İLE MÜHÜRLENMİŞTİR. | | | | Total Dissolved Solids (TDS) | ✓ | | | | | | | | | | Chloride Sulfate | ✓ | | | | | | | | | | Colour (Pt-Co) (436nm: 625nm: 620nm) | ✓ | | | | | | | | | | Biological Oxygen Demand 5 - days concentration (BOD ₅) | ✓ | | | | | | | | | | Total Suspended Solids (TSS) | ✓ | | | | | | | | 7 | Plastik | 1 L | Cyanide | ✓ | | | ✓ | | | | NaOH - pH<2 0.1 ml of 10% Sodium Thiosulfate Keep cool - between 2°C and 8°C | 8 | Plastik | 0.25 L | Sulfide | ✓ | | | ✓ | ✓ | | | 4 drops 2% zinc acetate NaOH - pH<2 Keep cool - between 2°C and 8°C | 9 | Plastik | 0.1 L | Sulfite | ✓ | | | | | ✓ | | Lead 2% NaOH Keep cool - between 2°C and 8°C | 10 | Cam | 0.1 L | Chromat (VI) | ✓ | | | | | | | 0.4% zinc acetate NaOH - pH<2 Keep cool - between 2°C and 8°C | İki bu tutanak tarafından imza altına alınmış olup, yukarıda belirtilen numune tesis sahibi veya vekil güvencisinde yerinde alınarak ambalajlanıp ve mühürlenmiştir. Tutanağın iki nüshası: <input type="checkbox"/> vade () sayfa () | |
| Kap No | Nümunne Kabı Cinsi | Nümunne Miktarı | Bakılacak Parametre(ler) | Seçilmiştir | BiNO ₃ pH<2 | H ₂ SO ₄ pH<2 | NaOH pH>12 | Çinko Asetat | EDTA | BICI pH<2 | Özellik Notları | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Plastik | 1 L | Total Chlorine - mg/L | | | | | | | | ALKA ÇEVRE LAB MÜHÜR İLE MÜHÜRLENMİŞTİR. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Total Dissolved Solids (TDS) | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Chloride Sulfate | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Colour (Pt-Co) (436nm: 625nm: 620nm) | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Biological Oxygen Demand 5 - days concentration (BOD ₅) | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Total Suspended Solids (TSS) | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Plastik | 1 L | Cyanide | ✓ | | | ✓ | | | | NaOH - pH<2 0.1 ml of 10% Sodium Thiosulfate Keep cool - between 2°C and 8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Plastik | 0.25 L | Sulfide | ✓ | | | ✓ | ✓ | | | 4 drops 2% zinc acetate NaOH - pH<2 Keep cool - between 2°C and 8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Plastik | 0.1 L | Sulfite | ✓ | | | | | ✓ | | Lead 2% NaOH Keep cool - between 2°C and 8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Cam | 0.1 L | Chromat (VI) | ✓ | | | | | | | 0.4% zinc acetate NaOH - pH<2 Keep cool - between 2°C and 8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yetkili İmza: <i>Muammer KESKİNGİL</i> | | Numune Alınış Yeri Sahibi veya Yetkili: _____ | | ALKA İNŞAAT YATIRIM, İNTERTRİK ÇEVRE SAN. VE TİC. LTD. ŞTİ. Merkez: İstanbul Deri OSB Arma Cad. No: 2/A - Tuzla / İSTANBUL - Gebze Şişe Temizleme Mah. 2402 Sok. No: 17/A Gebze/KOCAELİ Telefon: 0 216 446 91 22 - 0 262 721 41 41 E-mail: alka@alkacevre.com.tr Web: http://www.alkacevre.com.tr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sampler ID : ZDHC-A-23-E-C601968-R41DC-F4066

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| | | |
|---|---|--|
| <p>PREPARED Report Responsible</p> | <p>APPROVED Laboratory Manager</p> | <p>SEAL</p>  |
|---|---|--|

This certificate is a qualified electronic certificate according to the Electronic Signature Law No. 5070. This report is archived electronically by our laboratory.

END OF REPORT

TEST REPORT

FACTORY INFORMATION

| | |
|----------------------------------|--|
| Name | : KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. |
| Address | : Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ |
| Telephone / Fax | : 0 344 236 38 00 |
| VAT Office / Number | : - |
| Application Date / Number | : 10.09.2024 / T-94795-2024-02 |

SAMPLE INFORMATION

| | |
|-------------------------------|--|
| Sample Type | : Sludge |
| Sample Name | : Sludge Sample |
| No. of Samples | : 1 |
| Sampling Date | : 10.12.2024 |
| Sampling Location | : Waste Sludge Collection Area (N: 37° 31'46.08'' - E: 36° 58'41.76'') |
| Sampling Method | : Grab |
| Sample Arrival Type | : Sampling by our Laboratory (Seal: 26978) |
| Sample Volume | : (~) 2.5 kg Sample Container |
| Sample Received Date | : 11.12.2024 |
| Sample ID | : ATC-11122024-001 |
| Test Performing Period | : 11.12.2024 - 26.12.2024 |
| Report Date | : 20.01.2025 |
| Report No | : R-94795-2025-003 |

TYPE OF WASTEWATER DISCHARGE

| | |
|---|-------------------------------------|
| Type of Wastewater Discharge | : Direct Discharge |
| Average Total Industrial Wastewater Generated | : 335,28 m ³ /day |
| Sampling Method | : Grab - Sampled at 14:45 - 15:00 |
| Arrival Temperature at Lab | : 5,1 °C |
| Comments | : Samples received within 16 hours. |
| Sampler Accreditation Certification Number | : ZDHC-A-24-E-C001068-R41DC-F4D05 |
| Has the Parameter(s) Exceeded Maximum Holding Time | : Not Exceeded |

| | | | | | | | |
|--|--------------------------|--|----------------------------|-------------------------------------|-------------|------------------------------|--|
| Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. | | | Sample Name | | | Sludge Sample | |
| | | | Date of Sampling | | | 10.12.2024 | |
| Factory Address: Karacasu Karaziyaret F.S.M. Caddesi No: 1/A Dulkadiroğlu / KAHRAMANMARAŞ | | | Sampling Location | | | Waste Sludge Collection Area | |
| | | | Sampling Time | | | 14:45 - 15:00 | |
| | | | Sample Arrival Date | | | 11.12.2024 | |
| | | | Sample ID | | | ATC-11122024-001 | |
| ITEMS | CAS No. | Methods | Lab Reporting Limit | (V 2.2) ZDHC Reporting Limit | Unit | Sludge Sample Results | |
| ZDHC SLUDGE PARAMETERS AND LIMITS, TABLE 4A – 4C | | | | | | | |
| Table 4C: CONVENTIONAL | | | | | | | |
| % Solids | - | USEPA 160.3 | - | Sample and Report | % | 20,155 | |
| Table 4A: MRSL GROUP | | | | | | | |
| Nonylphenol (NP), mixed isomers | 104-40-5 | USEPA 3540 + ASTM D7065 | 0,4 | Textile and Leather: 0,4 | | n.d. | |
| Nonylphenol ethoxylates (NPEO) | 127087-87-0 | USEPA 3540 + ISO 18254-1 + ISO 18857-2 | | | | n.d. | |
| Octylphenol (OP), mixed isomers | 140-66-9 | USEPA 3540 + ASTM D7065 | | | | n.d. | |
| Octylphenol ethoxylates (OPEO) | 68987-90-6 | USEPA 3540 + ISO 18254-1 + ISO 18857-2 | | | | n.d. | |
| Acenaphthene | 83-32-9 | USEPA 3540 + USEPA 3650 + USEPA 8270 | 0,02 | Textile and Leather: 0,2 | mg/kg | n.d. | |
| Acenaphthylene | 208-96-8 | | | | | n.d. | |
| Anthracene | 0120-12-7 | | | | | n.d. | |
| Benzo[a]anthracene | 56-55-3 | | | | | n.d. | |
| Benzo[a]pyrene | 50-32-8 | | | | | n.d. | |
| Benzo[b]fluoranthene | 205-99-2 | | | | | n.d. | |
| Benzo[e]pyrene | 192-97-2 | | | | | n.d. | |
| Benzo[ghi]perylene | 191-24-2 | | | | | n.d. | |
| Benzo[j]fluoranthene | 205-82-3 | | | | | n.d. | |
| Benzo[k]fluoranthene | 0207-08-09 | | | | | n.d. | |
| Chrysene | 0218-01-09 | | | | | n.d. | |
| Dibenz[a,h]anthracene | 53-70-3 | | | | | n.d. | |
| Fluoranthene | 206-44-0 | | | | | n.d. | |
| Fluorene | 86-73-7 | | | | | n.d. | |
| Indeno[1,2,3-cd]pyrene | 193-39-5 | | | | | n.d. | |
| Naphthalene | 91-20-3 | | | | | 0,088 | |
| Phenanthrene | 85-01-8 | | | | | 0,047 | |
| Pyrene | 129-00-0 | n.d. | | | | | |
| Other isomers of mono-, di-, tri-, tetra-, penta- and hexa- Chlorobenzene and mono-, di-, tri-, tetra- and penta-chlorotoluene | Multiple (Other isomers) | USEPA 8270E | 0,2 | | | n.d. | |

Remarks: N.D. = Not Detected

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Sampling Photos



ZDHC Sludge Sampling Field Data Form

| ALKA | | NUMUNE ALMA TUTANAĞI | | SERİ NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|--|-------------------------------------|--|-----------------------|-------------------------------------|---|--------------|------|----------|-------------|---|-------------------------------------|--|-------------------------------------|--|--|--|--|---|-------------------------------------|-------------------------------------|--|--|--|--|--|---|-------------------------------------|--|--|--|--|--|--|---|-------------------------------------|--|--|--|--|--|---|---|-------------------------------------|--|--|--|--|--|--|---|-------------------------------------|--|--|--|--|--|--|
| <p>Numune Esas Rezult Talep Yüzü</p> <p><input type="checkbox"/> Var <input checked="" type="checkbox"/> Yok</p> <p>Tarih:</p> <p>Sayfa:</p> | | <p>Tesisin Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.</p> <p>Tesisin Adresi: KARACASU KARAZİYARET, FATİH SULTAN MEHMET CADDESİ 1/A, 46900</p> <p>DÜLKADİROĞLU / KAHRAMANMARAŞ</p> <p>Tel: 03442363800 Fax: 03442363800</p> <p>Vergi Dairesi: Vergi:</p> | | <p>DOKÜMAN NO: F 26</p> <p>REVİZYON TARİHİ: 17.06.2024-05</p> <p>YAYIN TARİHİ: 08.05.2007</p> <p>SAYFA NO: 1/1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Hava Durumu: <u>Güneşli</u> Hava Sıcaklığı: <u>18 °C</u> Koordinatlar: <u>37°31'46.08" - 36°58'41.76"</u></p> | | <p>Cinsi: ÇAMUR</p> <p>Alınış Tarihi: <u>10.12.2024</u> Saat: <u>15:00</u></p> <p>Alınış Noktası: FİLTRE PRES ÇIKIŞI</p> <p>Alınış Amacı: ZDHC ANALİZİ</p> <p>Sabit Numune Teslimi: <input checked="" type="checkbox"/> İstenmiyor <input type="checkbox"/> İsteniyor</p> <p><u>L</u> adet numune alınmış olup, <u>—</u> adet sabit numune teslim edilmiştir.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Su-Atık-su-Deniz Suyu, İçme ve Kullandırı Suyu Numanesi</p> <p>Sektör Tablo No: ZDHC WWG V2.1 TABLO 4A</p> <p>Namune Sıcaklığı: °C pH: Elektriksel İletkenlik: µS/cm Tuzluluk: %</p> <p>Çözünmüş Oksijen (mg/L) Oksijen Doymunluğu(%) Derinlik: m Deri: m Sıcaklık: m</p> | | <p>Alınış Şekli: <input checked="" type="checkbox"/> Aşık <input type="checkbox"/> Kompozit 6 saatlik <input type="checkbox"/> Kompozit 24 saatlik</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Toprak Numanesi</p> <p>Toprak kirliliğine sebep olan madde veya testis vb.:</p> <p>Zirant Yapıyı: <input type="checkbox"/> EVET <input checked="" type="checkbox"/> Sade <input type="checkbox"/> Kuru <input type="checkbox"/> HAYIR Numunenin temsil ettiği tarla veya arazi büyüklüğü:</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Kan Atık Numanesi</p> <p>Çirri: <input type="checkbox"/> Evet <input type="checkbox"/> Endüstriyel <input type="checkbox"/> Evsel ve Endüstriyel</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Yakıt Numanesi</p> <p>Çirri:</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <p>Koruma Ölemleri</p> <table border="1"> <thead> <tr> <th>Sırası</th> <th>HNO₃ pH<2</th> <th>H₂SO₄ pH<2</th> <th>NaOH pH>12</th> <th>Çinko Asetat</th> <th>EDTA</th> <th>HCl pH<3</th> <th>Özet Notlar</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><input checked="" type="checkbox"/></td> <td></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td>ALKA CEVRE LAB. 26978 NOLU MÜHÜR İLE MÜHÜRLENMİŞTİR.</td> </tr> <tr> <td>2</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00% Na₂S₂O₅ V/V keep cool between 2°C and 8°C</td> </tr> <tr> <td>5</td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.1 ml of 10% Sodium Thiosulfate keep in the dark and cool between 2°C and 8°C</td> </tr> <tr> <td>6</td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | Sırası | HNO ₃ pH<2 | H ₂ SO ₄ pH<2 | NaOH pH>12 | Çinko Asetat | EDTA | HCl pH<3 | Özet Notlar | 1 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | ALKA CEVRE LAB. 26978 NOLU MÜHÜR İLE MÜHÜRLENMİŞTİR. | 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | 3 | <input checked="" type="checkbox"/> | | | | | | | 4 | <input checked="" type="checkbox"/> | | | | | | 0.00% Na ₂ S ₂ O ₅ V/V keep cool between 2°C and 8°C | 5 | <input checked="" type="checkbox"/> | | | | | | 0.1 ml of 10% Sodium Thiosulfate keep in the dark and cool between 2°C and 8°C | 6 | <input checked="" type="checkbox"/> | | | | | | |
| Sırası | HNO ₃ pH<2 | H ₂ SO ₄ pH<2 | NaOH pH>12 | Çinko Asetat | EDTA | HCl pH<3 | Özet Notlar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | ALKA CEVRE LAB. 26978 NOLU MÜHÜR İLE MÜHÜRLENMİŞTİR. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | <input checked="" type="checkbox"/> | | | | | | 0.00% Na ₂ S ₂ O ₅ V/V keep cool between 2°C and 8°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 6 | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>İş bu tutanak tarafımızca imza altına alınmış olup, yukarıda nitelikleri belirtilen numune testi sabitli veya vekil gözetiminde yerinde alınarak analiz/taahhüt ve mühürlenmiştir.</p> <p>Tutanak ek sayfası <input type="checkbox"/> vardır (- sayfa) <input checked="" type="checkbox"/> yoktur</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Yetkili İmza</p> <p><i>Muammer KESKİN</i></p> | | | | <p>Numune Alınış Yeri Sahibi veya Yetkilisi</p> <p><i>[Signature]</i></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ALKA İNŞAAT TEKSTİL ELEKTRİK ÇEVRE SAN. VE TİC. LTD. ŞTİ.</p> <p>Merkez: İstanbul Deri OSB Arma Cad. Dış Sok. No:2/A Tuzla / İSTANBUL — Gebze Şube: Yenikent Mah. 2402 Sok. No:17/A Gebze/KOCAELİ</p> <p>Telefon: 0 216 446 91 22 — 0 262 721 41 41 E-mail: alka@alkacevre.com.tr Web: http://www.alkacevre.com.tr</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sampler Id : ZDHC-A-2L-F-001068-R300-6950-NA
ZDHC-A-2L-F-001068-R300-6950-NA

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| <p>PREPARED Report Responsible</p> | <p>APPROVED Laboratory Manager</p> | <p>SEAL</p>  |
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END OF REPORT

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