

# TEST REPORT

## FACTORY INFORMATION

<b>Name</b>	: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.
<b>Address</b>	: Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ
<b>Telephone / Fax</b>	: 0 344 236 38 00 / -
<b>VAT Office / Number</b>	: AKSU / 5630516480
<b>Application Date / Number</b>	: 15.10.2025 / T-94795-2025-03

## SAMPLE INFORMATION

<b>Sample Type</b>	: Wastewater
<b>Sample Name</b>	: Untreated Wastewater Sample
<b>Number of Samples</b>	: 1
<b>Date of Sampling</b>	: 18.11.2025
<b>Sampling Location</b>	: Untreated Wastewater (N: 37.529776 - E: 36.978642)
<b>Sampling Method</b>	: 6 Hours Composite
<b>Sample Arrival Type</b>	: Sampling by our Laboratory (Seal: 22812)
<b>Sample Arrival Date</b>	: 19.11.2025
<b>Sample ID</b>	: AS-19112025-002
<b>Test Performing Period</b>	: 19.11.2025 - 05.12.2025
<b>Report Date</b>	: 10.12.2025
<b>Report Number</b>	: R-94795-2025-008

## TYPE OF WASTEWATER DISCHARGE

<b>Type of Wastewater Discharge</b>	: Direct Discharge
<b>Average Total Industrial Wastewater Generated</b>	: 7556 m <sup>3</sup> /day
<b>Sampling Method</b>	: Composite Sample at (09:00 - 10:00 - 11:00 - 12:00 - 13:00 - 14:00 - 15:00)
<b>Arrival Temperature at Lab</b>	: 4,9 °C
<b>Comments</b>	: Samples received within 16 hours.
<b>Sampler Accreditation Certification Number</b>	: ZDHC-A-23-E-C001068-R330B-695C5
<b>Has the Parameter(s) Exceeded Maximum Holding Time</b>	: Not Exceeded

Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.		Sample Name	Untreated Wastewater Sample					
Factory Address: Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ		Date of Sampling	18.11.2025					
		Sampling Location	Untreated Wastewater					
		Sampling Start - End time	09:00 – 15:00					
		Sample Arrival Date	19.11.2025					
		Sample ID	AS-19112025-002					
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	
<b>ZDHC MRSL WASTEWATER PARAMETERS AND REPORTING LIMITS, TABLES 1A - 1T</b>								
<b>Table 1A : Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers</b>								
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.		
<b>Table 1B : Antimicrobials and Biocides</b>								
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.			
<b>Table 1C : Chlorinated Paraffins</b>								
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		n.d.
<b>Table 1D : Chlorobenzenes and Chlorotoluenes</b>								
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.						

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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.	
<b>Table 1E : Chlorophenols</b>							
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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<b>Table 1F : N,N-di-methylformamide (DMFa)</b>								
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	
<b>Table 1G : Dyes – Carcinogenic or Equivalent Concern</b>								
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.						
<b>Table 1H : Dyes – Disperse (Allergenic)</b>								
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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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.		
<b>Table 11 : Dyes – Navy Blue Colourant</b>								
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							
<b>Table 1J : Flame Retardants</b>								
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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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	83,2	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						
<b>Table 1K : Glycols / Glycol Ethers</b>							
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						
<b>Table 1L : Halogenated Solvents</b>							
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						
<b>Table 1M : Organotin Compounds</b>							
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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<b>Table 1N : Other/Miscellaneous Chemicals</b>								
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>B: 83,2 Zn: 92,8</b>		
<b>Table 1O : Perfluorinated and Polyfluorinated Chemicals (PFCs)</b>								
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.		
<b>Table 1P : Phthalates – Including All Other Esters of Ortho-Phthalic Acid</b>								
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.						
<b>Table 1Q : Polycyclic Aromatic Hydrocarbons (PAHs)</b>								
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.		

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Factory Address: Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ		Date of Sampling	18.11.2025				
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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 1/A Dulkadiroğlu / KAHRAMANMARAŞ		Date of Sampling	18.11.2025				
		Sampling Location	Untreated Wastewater				
		Sampling Start - End time	09:00 – 15:00				
		Sample Arrival Date	19.11.2025				
		Sample ID	AS-19112025-002				
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.	
<b>Table 1S : UV Absorbers</b>							
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.	
<b>Table 1T : Volatile Organic Compounds (VOC)</b>							
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**

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<p><b>PREPARED</b> Report Responsible</p>	<p><b>APPROVED</b> Laboratory Manager</p>	<p><b>SEAL</b></p> 
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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

<b>Name</b>	: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.
<b>Address</b>	: Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ
<b>Telephone / Fax</b>	: 0 344 236 38 00 / -
<b>VAT Office / Number</b>	: AKSU / 5630516480
<b>Application Date / Number</b>	: 15.10.2025 / T-94795-2025-03

## SAMPLE INFORMATION

<b>Sample Type</b>	: Wastewater
<b>Sample Name</b>	: Effluent Sample
<b>Number of Samples</b>	: 1
<b>Date of Sampling</b>	: 18.11.2025
<b>Sampling Location</b>	: Effluent (N: 37.529303 - E: 36.977606)
<b>Sampling Method</b>	: 6 Hours Composite
<b>Sample Arrival Type</b>	: Sampling by our Laboratory (Seal: 22813)
<b>Sample Arrival Date</b>	: 19.11.2025
<b>Sample ID</b>	: AS-19112025-003
<b>Test Performing Period</b>	: 19.11.2025 - 05.12.2025
<b>Report Date</b>	: 10.12.2025
<b>Report Number</b>	: R-94795-2025-009

## TYPE OF WASTEWATER DISCHARGE

<b>Type of Wastewater Discharge</b>	: Direct Discharge
<b>Average Total Industrial Wastewater Generated</b>	: 7556 m <sup>3</sup> /day
<b>Sampling Method</b>	: Composite Sample at (10:00 - 11:00 - 12:00 - 13:00 - 14:00 - 15:00 - 16:00)
<b>Arrival Temperature at Lab</b>	: 4,9 °C
<b>Comments</b>	: Samples received within 16 hours.
<b>Sampler Accreditation Certification Number</b>	: ZDHC-A-23-E-C001068-R330B-695C5
<b>Has the Parameter(s) Exceeded Maximum Holding Time</b>	: Not Exceeded

Factory Name: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.	Sample Name	Effluent Sample	<b>Limit Values According to ZDHC Wastewater Guidelines Version 2.2</b>
	Date of Sampling	18.11.2025	
Factory Address: Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ	Sampling Location	Effluent	
	Sampling Start - End time	10:00 – 16:00	
	Sample Arrival Date	19.11.2025	
	Sample ID	AS-19112025-003	

Items	CAS No.	Methods	Lab Reporting Limit	Unit	Effluent Sample Results	Foundational Limit mg/L	Progressive Limit mg/L	Aspirational Limit mg/L
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**TABLE 2 : ZDHC HEAVY METAL WASTEWATER PARAMETERS AND LIMITS**

Antimony (Sb)		USEPA 3015A + USEPA 200.7	0,005		n.d.	Textile and Leather: 0,1	Textile and Leather: 0,05	Textile and Leather: 0,01
Arsenic (As)		USEPA 3015A + 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 3015A + USEPA 200.7	0,01		<b>0,046</b>	Textile and Leather: Sample and report only		
Selenium (Se)		USEPA 3015A + USEPA 200.7	0,005		n.d.			
Tin (Sn)		USEPA 3015A + USEPA 200.7	0,05		n.d.			
Cadmium (Cd)		USEPA 3015A + 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 + In-House Method	0,001		n.d.	Textile: 0,05 Leather: 0,15	Textile: 0,005 Leather: 0,05	Textile: 0,001 Leather:0,02
Chromium, total (Cr)	-	USEPA 3015A + USEPA 200.7	0,01	mg/L	n.d.	Textile: 0,2 Leather: 1,5	Textile: 0,1 Leather: 0,8	Textile: 0,05 Leather: 0,3
Cobalt (Co)		USEPA 3015A + 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 3015A + USEPA 200.7	0,01		<b>0,027</b>	Textile and Leather: 1	Textile and Leather: 0,5	Textile and Leather: 0,25
Lead (Pb)		USEPA 3015A + USEPA 200.7	0,01		n.d.	Textile and Leather: 0,1	Textile and Leather: 0,05	Textile and Leather: 0,01
Mercury (Hg)		USEPA 3015A + USEPA 245.2 + USEPA 200.7	0,001		n.d.	Textile and Leather: 0,01	Textile and Leather:0,005	Textile and Leather:0,001
Nickel (Ni)		USEPA 3015A + 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 3015A + 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 3015A + USEPA 200.7	0,01		<b>0,291</b>	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		<b>0,012</b>	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	mg/L	<b>27,09</b>	Textile: 30 Leather: 50	Textile: 15 Leather: 30	Textile: 8 Leather: 20
Chemical Oxygen Demand (COD)	-	SM 5220-D	5		<b>147</b>	Textile: 150 Leather: 250	Textile: 80 Leather: 150	Textile: 40 Leather: 100
Chloride	-	ISO 10304-1	0,1		<b>456,26</b>	Textile and Leather: Sample and report only		
Colour (436 nm)	-				<b>3,62</b>	7	5	2
Colour (525 nm)	-	ISO 7887-B	0,3	m <sup>-1</sup>	<b>2,28</b>	5	3	1
Colour (620 nm)	-				<b>1,72</b>	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	<b>7,72</b>	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	n.d.	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 1/A Dulkadiroğlu / KAHRAMANMARAŞ		Date of Sampling	18.11.2025					
		Sampling Location	Effluent					
		Sampling Start - End time	10:00 – 16:00					
		Sample Arrival Date	19.11.2025					
		Sample ID	AS-19112025-003					
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	-	<b>8,06</b>	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		<b>427,26</b>	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		n.d.	Textile: 2 Leather: 2	Textile: 0,5 Leather: 0,5	Textile: 0,2 Leather: 0,2
Temperature difference		SM 2550-B	-		°C	<b>6,9</b>	Δ+15	Δ+10
Total Chlorine		SM 4500-Cl G	0,03	mg/L	<b>0,162</b>	Textile and Leather: 1		
Total Dissolved Solids (TDS)		SM 2540-C	10		<b>2710</b>	Textile and Leather: Sample and report only		
Total Nitrogen		ISO 20236	0,25		<b>2,466</b>	Textile: 20 Leather: 35	Textile: 10 Leather: 20	Textile: 5 Leather: 10
Total Phosphorus		USEPA 200.7	0,05		n.d.	Textile: 3 Leather: 3	Textile: 0,5 Leather: 1	Textile: 0,1 Leather: 0,5
Total Suspended Solids (TSS)		SM 2540D	5		<b>17,6</b>	Textile: 50 Leather: 70	Textile: 15 Leather: 50	Textile: 5 Leather: 20

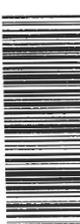
Remarks: N.D. = Not Detected , NA = Not Applicable

### Sampling Photos



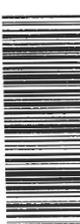
ZDHC Wastewater Sampling Field Data Form

SERİ NO: 008276

		NUMUNE ALMA TUTANAĞI		DOKÜMAN NO: E 70 REVİZYON TARİHİ: 17.06.2021-05 YAYIN TARİHİ: 08.05.2007 SAYFA NO: 1/2																																																																																																											
Numuneye Esas Resmî Talep Yazısı <input type="checkbox"/> Var <input checked="" type="checkbox"/> Yok		Tesisin Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. Tesisin Adresi: KARACASU KARAZİYARET FATİH SULTAN MEHMET CADDESİ NO: 1/A DULKADİROĞLU / KAHRAMANMARAŞ		Cinsi: ATIKSU Alınış Tarihi: 18.11.25 Saati: 10:00 - 16:00 Alma Noktası: A.A.T. ÇIKIŞ Alınış Amaç: ZDHC ANALİZİ Şahit Numune Teslimi: <input checked="" type="checkbox"/> İstenmemiştir <input type="checkbox"/> İstenmiştir																																																																																																											
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Sampler Id : ZDHC-A-23-E-C001068-R330B-695C5

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

# TEST REPORT

## FACTORY INFORMATION

<b>Name</b>	: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.
<b>Address</b>	: Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ
<b>Telephone / Fax</b>	: 0 344 236 38 00 / -
<b>VAT Office / Number</b>	: AKSU / 5630516480
<b>Application Date / Number</b>	: 15.10.2025 / T-94795-2025-03

## SAMPLE INFORMATION

<b>Sample Type</b>	: Sludge
<b>Sample Name</b>	: Sludge Sample
<b>No. of Samples</b>	: 1
<b>Sampling Date</b>	: 18.11.2025
<b>Sampling Location</b>	: Waste Sludge Collection Area (N: 37.528404 - E: 36.978619)
<b>Sampling Method</b>	: Grab
<b>Sample Arrival Type</b>	: Sampling by our Laboratory (Seal: 22814)
<b>Sample Volume</b>	: (~) 1 kg Sample Container
<b>Sample Received Date</b>	: 19.11.2025
<b>Sample ID</b>	: ATC-19112025-001
<b>Test Performing Period</b>	: 19.11.2025 - 05.12.2025
<b>Report Date</b>	: 10.12.2025
<b>Report No</b>	: R-94795-2025-010

## TYPE OF WASTEWATER DISCHARGE

<b>Type of Wastewater Discharge</b>	: Direct Discharge
<b>Average Total Industrial Wastewater Generated</b>	: 7556 m <sup>3</sup> /day
<b>Sampling Method</b>	: Grab - Sampled at 11:00 - 11:15
<b>Arrival Temperature at Lab</b>	: 4,9 °C
<b>Comments</b>	: Samples received within 16 hours.
<b>Sampler Accreditation Certification Number</b>	: ZDHC-A-23-E-C001068-R330B-695C5
<b>Has the Parameter(s) Exceeded Maximum Holding Time</b>	: Not Exceeded

<b>Factory Name:</b> KİPAŞ MENSUCAT İŞLETMELERİ A.Ş.			<b>Sample Name</b>			Sludge Sample	
			<b>Date of Sampling</b>			18.11.2025	
<b>Factory Address:</b> Karacasu Karaziyaret F.S.M. Caddesi 1/A Dulkadiroğlu / KAHRAMANMARAŞ			<b>Sampling Location</b>			Waste Sludge Collection Area	
			<b>Sampling Time</b>			11:00 - 11:15	
			<b>Sample Arrival Date</b>			19.11.2025	
			<b>Sample ID</b>			ATC-19112025-001	
<b>ITEMS</b>	<b>CAS No.</b>	<b>Methods</b>	<b>Lab Reporting Limit</b>	<b>(V 2.2) ZDHC Reporting Limit</b>	<b>Unit</b>	<b>Sludge Sample Results</b>	
<b>ZDHC SLUDGE PARAMETERS AND LIMITS, TABLE 4A – 4C</b>							
<b>Table 4C: CONVENTIONAL</b>							
% Solids	-	USEPA 160.3	-	Sample and Report	%	<b>17,04</b>	
<b>Table 4A: MRSL GROUP</b>							
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[c]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					n.d.	
Phenanthrene	85-01-8					n.d.	
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.	

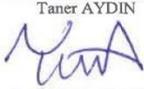
Remarks: N.D. = Not Detected

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### Sampling Photos



**ZDHC Sludge Sampling Field Data Form**

		<b>NUMUNE ALMA TUTANAĞI</b>				<b>SERİ NO:</b> 008276																																											
<b>NUMUNE ALMAN YERİ</b> Tesisin Adı: KİPAŞ MENSUCAT İŞLETMELERİ A.Ş. Tesisin Adresi: KARACASU KARAZİYARET FATİH SULTAN MEHMET CADDESİ NO: 1/A DULKADIROĞLU / KAHRAMANMARAŞ Tel: 0 344 236 38 00 Fax: 0 344 236 33 07 Vergi Dahresi: AKSU Vergi: 5630516480		<b>NUMUNENİN</b> Cinsi : ÇAMUR Alınış Tarihi : 18.11.25 Saati : 11:00 - 11:15 Alma Noktası: FİLTRE PRES ÇIKIŞI Alınış Amacı: ZDHC ANALİZİ Şahit Numune Teslimi: <input checked="" type="checkbox"/> İstenmemiştir <input type="checkbox"/> İstenmiştir 1 adet numune alınmış olup, 2 adet şahit numune teslim edilmiştir.		<b>DOKÜMAN NO:</b> F 70 <b>REVİZYON TARİHİ:</b> 17.06.2021-05 <b>YAYIN TARİHİ:</b> 08.05.2007 <b>SAYFA NO:</b> 1/1																																													
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Sampler Id : ZDHC-A-23-E-C001068-R330B-695C5

<b>PREPARED</b> Report Responsible	<b>APPROVED</b> Laboratory Manager	<b>SEAL</b> 
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