

TEST REPORT

FACTORY INFORMATION	
Name	: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş
Address	: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL
Telephone / Fax	: +902126579747/+902126579754
VAT Office / Number	: -
Application Date	: 23.03.2023
Application Number	: T-86400-2023-01

SAMPLE INFORMATION	
Sample Type	: Sludge
Sample Name	: -
No. of Samples	: 1
Sampling Date	: 28.03.2023
Sampling Location	: Sludge(N:41°02'41,51'' - E:28°48'50,86'')
Sampling Method	: -
Sample Arrival Type	: Sampling by our Laboratory(Seal: 20920)
Sample Volume	: 1 kg plastic cap
Sample Received Date	: 28.03.2023
Sample ID	: ATC-28032023-001
Test Performing Period	: 28.03.2023-28.04.2023
Report Date	: 28.04.2023
Report No	: R-86400-2023-01

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID		ATC-28032023-001
			Date of sampling		28.03.2023
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Sampling Location		Sludge
			Sampling start time		09:00
			Sampling end time		-
			Date of sample received		28.03.2023
			Sample Description		Sludge
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Sludge Results
Metals					
Antimony	-	USEPA 3050 + USEPA 6010D	0,25	mg/kg	n.d
Arsenic	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	n.d
Barium	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	7,523
Cadmium	-	USEPA 3050 + USEPA 6010D	0,15	mg/kg	n.d
Cobalt	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	2,551
Copper	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	n.d
Lead	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	0,718
Nickel	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	4,402
Selenium	-	USEPA 3050 + USEPA 6010D	0,25	mg/kg	n.d
Silver	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	n.d
Total Chromium	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	1,718
Zinc	-	USEPA 3050 + USEPA 6010D	0,5	mg/kg	275,005
Chromium (VI)	-	USEPA 3060A + USEPA 7196	1	mg/kg	n.d
Mercury	-	USEPA 3051A + USEPA 6020B	0,05	mg/kg	n.d
Anions					
Cyanide	-	USEPA 9013 + USEPA 9014	0,1	mg/kg	n.d
Conventional					
pH	-	TS EN 15933	-	-	6,15
% Solids	-	USEPA 160.3	-	%	75,02
Paint Filter	-	USEPA 9095B	-	-	Pass
Fecal Coliform	-	USEPA 1680	1,8	MPN/ml	n.d
MRSL					
Nonylphenol (NP), mixed isomers	104-40-5	USEPA 3540 + ASTM D7065	0,5	mg/kg	n.d
Nonylphenol ethoxylates (NPEO)	127087-87-0	USEPA 3540 + ISO 18254-1 + ISO 18857-2	0,5	mg/kg	n.d
Octylphenol (OP), mixed isomers	140-66-9	USEPA 3540 + ASTM D7065	0,5	mg/kg	n.d
Octylphenol ethoxylates (OPEO)	68987-90-6	USEPA 3540 + ISO 18254-1 + ISO 18857-2	0,5	mg/kg	n.d
Acenaphthene	83-32-9	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Acenaphthylene	208-96-8	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Anthracene	0120-12-7	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Benzo[a]anthracene	56-55-3	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Benzo[a]pyrene	50-32-8	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Benzo[b]fluoranthene	205-99-2	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Benzo[e]pyrene	192-97-2	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID	ATC-28032023-001	
			Date of sampling	28.03.2023	
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Sampling Location	Sludge	
			Sampling start time	09:00	
			Sampling end time	-	
			Date of sample received	28.03.2023	
			Sample Description	Sludge	
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Sludge Results
Benzo[ghi]perylene	191-24-2	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Benzo[j]fluoranthene	205-82-3	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Benzo[k]fluoranthene	0207-08-09	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Chrysene	0218-01-09	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Dibenz[a,h]anthracene	53-70-3	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Fluoranthene	206-44-0	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Fluorene	86-73-7	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Indeno[1,2,3-cd]pyrene	193-39-5	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Naphthalene	91-20-3	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Phenanthrene	85-01-8	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	n.d
Pyrene	129-00-0	USEPA 3540 + USEPA 3650 + USEPA 8270	0,01	mg/kg	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	0,25	mg/kg	n.d

Remarks:

n.d. = Not Detected

PREPARED Murat FAAL Report Responsible 	APPROVED Resul ÖZDEŞ Laboratory Manager 	SEAL 
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TEST REPORT

FACTORY INFORMATION

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Address	:	15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL
Telephone / Fax	:	+902126579747/+902126579754
VAT Office / Number	:	-
Application Date	:	23.03.2023
Application Number	:	T-86400-2023-01

SAMPLE INFORMATION

Sample Type	:	Wastewater
Sample Name	:	-
No. of Samples	:	1
Sampling Date	:	28.03.2023
Sampling Location	:	Raw Wastewater(N:41°02'42,00'' - E:28°48'50,96'')
Sampling Method	:	6 Hours Composite
Sample Arrival Type	:	Sampling by our Laboratory(Seal:20916)
Sample Received Date	:	28.03.2023
Sample ID	:	AS-28032023-001
Test Performing Period	:	28.03.2023-28.04.2023
Report Date	:	28.04.2023
Report No	:	R-86400-2023-03

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID		AS-28032023-001		ZDHC Limits		
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Date of sampling		28.03.2023				
			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
1A. Alkylphenols (APs) and Alkylphenol Ethoxylates (APEOs); including all isomers									
Nonylphenol ethoxylates (NPEO)	9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	ISO 18857-2	0,1	µg/L	n.d.	-	-	-	
Nonylphenol (NP), mixed isomers	104-40-5, 11066-49-2, 25154-52-3, 84852-15-3,	ASTM D7065	0,1	µg/L	n.d.	-	-	-	
Octylphenol ethoxylates (OPEO)	9002-93-1, 9036-19-5, 68987-90-6	ASTM D7065	0,1	µg/L	n.d.	-	-	-	
Octylphenol (OP), mixed isomers	140-66-9, 1806-26-4, 27193-28-8	ISO 18254-1	0,1	µg/L	n.d.	-	-	-	
1B. Anti- Microbials & Biocides									
o-Phenylphenol (+salts)	90-43-7	USEPA 8270E + BS EN 12673-1999	1	µg/L	n.d.	-	-	-	
Triclosan	3380-34-5	USEPA 8270E + BS EN 12673-1999	0,01	µg/L	n.d.	-	-	-	
Permethrin	Multiple	USEPA 8270E	0,01	µg/L	n.d.	-	-	-	
1C. Chlorinated Parafins									
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	USEPA 8270E + BS EN 12673-1999	0,1	µg/L	n.d.	-	-	-	
Short-chain Chlorinated paraffin (C10 – C13)	85535-84-8	USEPA 3510 + ISO 18219-2	0,1	µg/L	n.d.	-	-	-	
1D. Chlorobenzenes and Chlorotoluenes									
Monochlorobenzene	108-90-7	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,2-Dichlorobenzene	95-50-1	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID		AS-28032023-001		ZDHC Limits		
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Date of sampling		28.03.2023				
			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
1,3-Dichlorobenzene	541-73-1	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,4-Dichlorobenzene	106-46-7	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,2,3-Trichlorobenzene	87-61-6	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,2,4-Trichlorobenzene	120-82-1	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,3,5-Trichlorobenzene	108-70-3	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,2,3,4-Tetrachlorobenzene	634-66-2	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,2,3,5-Tetrachlorobenzene	634-90-2	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1,2,4,5-Tetrachlorobenzene	95-94-3	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
Pentachlorobenzene	608-93-5	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
Hexachlorobenzene	118-74-1	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2-Chlorotoluene	95-49-8	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
3-Chlorotoluene	108-41-8	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
4-Chlorotoluene	106-43-4	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,3-Dichlorotoluene	32768-54-0	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,4-Dichlorotoluene	95-73-8	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,5-Dichlorotoluene	19398-61-9	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID		AS-28032023-001		ZDHC Limits		
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Date of sampling		28.03.2023				
			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
2,6-Dichlorotoluene	118-69-4	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
3,4-Dichlorotoluene	95-75-0	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
3,5-Dichlorotoluene	25186-47-4	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,3,4-Trichlorotoluene	7359-72-0	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,3,6-Trichlorotoluene	2077-46-5	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,4,5-Trichlorotoluene	6639-30-1	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,4,6-Trichlorotoluene	23749-65-7	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
3,4,5-Trichlorotoluene	21472-86-6	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,3,4,5-Tetrachlorotoluene	76057-12-0	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,3,5,6-Tetrachlorotoluene	875-40-1	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
2,3,4,6-Tetrachlorotoluene	29733-70-8	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
Pentachlorotoluene	877-11-2	USEPA 8270E	0,02	µg/L	n.d.	-	-	-	
1E. Chlorophenols									
2-Chlorophenol	95-57-8	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
3-Chlorophenol	108-43-0	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	

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Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Date of sampling		28.03.2023				
			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
4-Chlorophenol	106-48-9	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,3-Dichlorophenol	576-24-9	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,4-Dichlorophenol	120-83-2	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,5-Dichlorophenol	583-78-8	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,6-Dichlorophenol	87-65-0	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
3,4-Dichlorophenol	95-77-2	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
3,5-Dichlorophenol	591-35-5	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,3,4-Trichlorophenol	15950-66-0	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,3,5-Trichlorophenol	933-78-8	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,3,6-Trichlorophenol	933-75-5	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,4,5-Trichlorophenol	95-95-4	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,4,6-Trichlorophenol	88-06-2	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
3,4,5-Trichlorophenol	609-19-8	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,3,4,5-Tetrachlorophenol	4901-51-3	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
2,3,4,6-Tetrachlorophenol	58-90-2	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	

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Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Date of sampling		28.03.2023				
			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
2,3,5,6-Tetrachlorophenol	935-95-5	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
Pentachlorophenol	87-86-5	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d.	-	-	-	
1F. N,N-di-methylformamide (DMFa)									
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	EPA 5030+EPA8260	10	µg/L	n.d.	-	-	-	
1G. Dyes – Carcinogenic or Equivalent Concern									
Basic violet 3 with >0.1% of Michler's Ketoneb	548-62-9	DIN 54231	20	µg/L	n.d.				
C.I. Acid Red 26	3761-53-3	DIN 54231	20	µg/L	n.d.				
C.I. Acid Violet 49	1694-09-3	DIN 54231	20	µg/L	n.d.				
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	DIN 54231	20	µg/L	n.d.				
C.I. Basic Green 4 (Malachite Green Chloride)	569-64-2	DIN 54231	20	µg/L	n.d.				
C.I. Basic Green 4 (Malachite Green Oxalate)	2437-29-8	DIN 54231	20	µg/L	n.d.				
C.I. Basic Green 4 (Malachite Green)	10309-95-2	DIN 54231	20	µg/L	n.d.				
C.I. Basic Red 9	569-61-9	DIN 54231	20	µg/L	n.d.				

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			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
C.I. Basic Violet 14	632-99-5	DIN 54231	20	µg/L	n.d.				
C.I. Direct Black 38	1937-37-7	DIN 54231	20	µg/L	n.d.				
C.I. Direct Blue 6	2602-46-2	DIN 54231	20	µg/L	n.d.				
C.I. Direct Red 28	573-58-0	DIN 54231	20	µg/L	n.d.				
C.I. Disperse Blue 1	2475-45-8	DIN 54231	20	µg/L	n.d.				
C.I. Disperse Blue 3	2475-46-9	DIN 54231	20	µg/L	n.d.				
Disperse Orange 11	82-28-0	DIN 54231	20	µg/L	n.d.				
1H. Dyes – Disperse (Allergenic)									
Disperse Blue 102	12222-97-8	DIN 54231	20	µg/L	n.d.	-	-	-	
Disperse Blue 106	12223-01-7	DIN 54231	20	µg/L	n.d.				
Disperse Blue 124	61951-51-7	DIN 54231	20	µg/L	n.d.				
Disperse Blue 26	3860-63-7	DIN 54231	20	µg/L	n.d.				
Disperse Blue 35	12222-75-2, 56524-77-7	DIN 54231	20	µg/L	n.d.				
Disperse Blue 7	3179-90-6	DIN 54231	20	µg/L	n.d.				
Disperse Brown 1	23355-64-8	DIN 54231	20	µg/L	n.d.				
Disperse Orange 1	2581-69-3	DIN 54231	20	µg/L	n.d.				

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			Sampling Location		Raw Wastewater			
			Sampling start time		08:15			
			Sampling end time		14:15			
			Date of sample received		28.03.2023			
			Sample Description		Raw Wastewater			
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit
						mg/L	mg/L	mg/L
Disperse Orange 3	730-40-5	DIN 54231	20	µg/L	n.d.	-	-	-
Disperse Orange 37/59/76	13301-61-6	DIN 54231	20	µg/L	n.d.	-	-	-
Disperse Red 1	2872-52-8	DIN 54231	20	µg/L	n.d.			
Disperse Red 11	2872-48-2	DIN 54231	20	µg/L	n.d.			
Disperse Red 17	3179-89-3	DIN 54231	20	µg/L	n.d.			
Disperse Yellow 1	119-15-3	DIN 54231	20	µg/L	n.d.			
Disperse Yellow 3	2832-40-8	DIN 54231	20	µg/L	n.d.			
Disperse Yellow 39	12236-29-2	DIN 54231	20	µg/L	n.d.	-	-	-
Disperse Yellow 49	54824-37-2	DIN 54231	20	µg/L	n.d.	-	-	-
Disperse Yellow 9	6373-73-5	DIN 54231	20	µg/L	n.d.	-	-	-
11. Dyes – Navy Blue Colourant								
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	DIN 54231	20	µg/L	n.d.			
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	DIN 54231	20	µg/L	n.d.			
11. Flame Retardants								
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	USEPA 8270E	0,1	µg/L	n.d.			
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	USEPA 8270E	0,1	µg/L	n.d.			
Decabromodiphenyl ether (DecaBDE)	1163-19-5	USEPA 8270E	0,03	µg/L	n.d.			
Hexabromocyclodecane (HBCDD)	3194-55-6	USEPA 8270E	0,5	µg/L	n.d.			
Octabromodiphenyl ether (OctaBDE)	32536-52-0	USEPA 8270E	0,03	µg/L	n.d.			

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			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	USEPA 8270E	0,03	µg/L	n.d.				
Polybromobiphenyls (PBB)	59536-65-1	USEPA 8270E	0,03	µg/L	n.d.				
Tetrabromobisphenol A (TBBPA)	79-94-7	USEPA 8270E	0,1	µg/L	n.d.				
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	USEPA 8270E	0,2	µg/L	n.d.				
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	USEPA 8270E	0,1	µg/L	n.d.				
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	USEPA 8270E	0,1	µg/L	n.d.				
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	USEPA 8270E	0,1	µg/L	n.d.				
Tris(2,3,-dibromopropyl)-phosphate (TRIS)	126-72-7	USEPA 8270E	0,1	µg/L	n.d.				
Decabromobiphenyl (DecaBB)	13654-09-6	USEPA 8270E	0,03	µg/L	n.d.				
Dibromobiphenyls (DiBB)	Multiple	USEPA 8270E	0,03	µg/L	n.d.				
Octabromobiphenyls (OctaBB)		USEPA 8270E	0,03	µg/L	n.d.				
Dibromopropylether	21850-44-2	USEPA 8270E	0,03	µg/L	n.d.				
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	USEPA 8270E	0,03	µg/L	n.d.				
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	USEPA 8270E	0,03	µg/L	n.d.				
Monobromobiphenyls (MonoBB)	Multiple	USEPA 8270E	0,03	µg/L	n.d.				
Monobromodiphenylethers (MonoBDEs)		USEPA 8270E	0,03	µg/L	n.d.				
Nonabromobiphenyls (NonaBB)		USEPA 8270E	0,03	µg/L	n.d.				

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ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	USEPA 8270E	0,03	µg/L	n.d.				
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	USEPA 8270E	0,03	µg/L	n.d.				
Tribromodiphenylethers (TriBDEs)	Multiple	USEPA 8270E	0,03	µg/L	n.d.				
Boric acid	10043-35-3 11113-50-1	USEPA 3050 + USEPA 6010D, ISO 11885	50	µg/L	n.d.				
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								
1K. Glycols / Glycol Ethers									
2-ethoxyethanol	110-80-5	USEPA 8270E	0,1	µg/L	n.d.				
2-ethoxyethyl acetate	111-15-9	USEPA 8270E	0,2	µg/L	n.d.				
2-methoxyethanol	109-86-4	USEPA 8270E	0,2	µg/L	n.d.				
2-methoxyethylacetate	110-49-6	USEPA 8270E	0,1	µg/L	n.d.				
2-methoxypropylacetate	70657-70-4	USEPA 8270E	0,2	µg/L	n.d.				
Bis(2-methoxyethyl)-ether	111-96-6	USEPA 8270E	0,1	µg/L	n.d.				

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ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit
						mg/L	mg/L	mg/L
Ethylene glycol dimethyl ether	110-71-4	USEPA 8270E	0,2	µg/L	n.d.			
Triethylene glycol dimethyl ether	112-49-2	USEPA 8270E	0,1	µg/L	n.d.			
1L. Halogenated Solvents								
1,2-dichloroethane	107-06-2	USEPA 5030 C 2003 + USEPA 8260 D 2017	1	µg/L	n.d.			
Methylene chloride	75-09-2	USEPA 8260D	1	µg/L	n.d.			
Tetrachloroethylene	127-18-4	USEPA 8260D	1	µg/L	n.d.			
Trichloroethylene	79-01-6	USEPA 8260D	1	µg/L	n.d.			
1M. Organotin Compounds								
Dipropyltin compounds (DPT)	Multiple	ISO 17353	0,01	µg/L	n.d.			
Mono-, di- and tri-butyltin derivatives		ISO 17353	0,01	µg/L	n.d.			
Mono-, di- and tri-methyltin derivatives		ISO 17353	0,01	µg/L	n.d.			
Mono-, di- and tri-octyltin derivatives		ISO 17353	0,01	µg/L	n.d.			
Mono-, di- and tri-phenyltin derivatives		ISO 17353	0,01	µg/L	n.d.			
Tetrabutyltin compounds (TeBT)		ISO 17353	0,01	µg/L	n.d.			
Tripropyltin Compounds (TPT)		ISO 17353	0,01	µg/L	n.d.			

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ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
Tetraoctyltin compounds (TeOT)		ISO 17353	0,01	µg/L	n.d.				
Tricyclohexyltin (TCyHT)		ISO 17353	0,01	µg/L	n.d.				
Tetraethyltin Compounds (TeET)		ISO 17353	0,01	µg/L	n.d.				
1N. Other/Miscellaneous Chemicals									
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	EPA 538	10	µg/L	n.d.				
Bisphenol A	80-05-7	DIN EN ISO 18254-1	0,1	µg/L	n.d.				
Thiourea	62-56-6	EPA 538	10	µg/L	n.d.				
Quinoline	91-22-5	EPA 538	10	µg/L	n.d.				
Borate, zinc salt	12767-90-7	USEPA 3050 + USEPA 6010D	10	µg/L	n.d.				
Silicae (Used in sand blasting)	14464-46-1	SM 4500 SiO ₂ C	50	µg/L	n.d.				
1O. Perfluorinated and Polyfluorinated Chemicals (PFCs)									
Perfluorooctane sulfonate (PFOS) and related substances, Perfluorooctanoic acid (PFOA)	Multiple	DIN 38407-42(Modified)	0,0033	µg/L	n.d.				
Perfluorooctanoic acid (PFOA) related substances		DIN 38407-42(Modified)	0,0033	µg/L	n.d.				
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	0,5	µg/L	n.d.				
1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4 68515-50-4	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d.				

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ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Butyl benzyl phthalate (BBP)	85-68-7	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-cyclohexyl phthalate (DCHP)	84-61-7	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-iso-decyl phthalate (DIDP)	26761-40-0	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-iso-octyl phthalate (DIOP)	27554-26-3	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-isobutyl phthalate (DIBP)	84-69-5	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-isononyl phthalate (DINP)	28553-12-0	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-n-hexyl phthalate (DnHP)	84-75-3	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-n-octyl phthalate (DNOP)	117-84-0	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-n-pentylphthalates	131-18-0	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di-n-propyl phthalate (DPRP)	131-16-8	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Di(ethylhexyl) phthalate (DEHP)	117-81-7	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Dibutyl phthalate (DBP)	84-74-2	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Diethyl phthalate (DEP)	84-66-2	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Diisopentylphthalates	605-50-5	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
Dinonyl phthalate (DNP)	84-76-4	USEPA 3510C 1996 + USEPA 8270E 2017	0,5	µg/L	n.d				
1Q. Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	83-32-9	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Acenaphthylene	208-96-8	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				

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ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
Anthracene	120-12-7	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[a]anthracene	56-55-3	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[a]pyrene (BaP)	50-32-8	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[b]fluoranthene	205-99-2	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[e]pyrene	192-97-2	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[ghi]perylene	191-24-2	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[j]fluoranthene	205-82-3	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Benzo[k]fluoranthene	207-08-9	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Chrysene	218-01-9	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Dibenz[a,h]anthracene	53-70-3	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Fluoranthene	206-44-0	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Fluorene	86-73-7	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Indeno[1,2,3-cd]pyrene	193-39-5	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Naphthalene	91-20-3	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Phenanthrene	85-01-8	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
Pyrene	129-00-0	USEPA 3510C 1996 + USEPA 8270E 2017	0,02	µg/L	n.d				
1R. Restricted Aromatic Amines (Cleavable from Azo-colourants)									
2-naphthylamine	91-59-8	USEPA 8270E	0,1	µg/L	n.d				
2-Naphthylammoniumacetate	553-00-4	USEPA 8270E	0,1	µg/L	n.d				

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						mg/L	mg/L	mg/L	
2,4-xylydine	95-68-1	USEPA 8270E	0,1	µg/L	n.d				
2,4,5-trimethylaniline	137-17-7	USEPA 8270E	0,1	µg/L	n.d				
2,4,5-trimethylaniline hydrochloride	21436-97-5	USEPA 8270E	0,1	µg/L	n.d				
2,6-xylydine	87-62-7	USEPA 8270E	0,1	µg/L	n.d				
3,3'-dichlorobenzidine	91-94-1	USEPA 8270E	0,1	µg/L	n.d				
3,3-dimethoxybenzidine	119-90-4	USEPA 8270E	0,1	µg/L	n.d				
3,3-dimethylbenzidine	119-93-7	USEPA 8270E	0,1	µg/L	n.d				
4-aminoazobenzene	60-09-3	USEPA 8270E	0,1	µg/L	n.d				
4-aminodiphenyl	92-67-1	USEPA 8270E	0,1	µg/L	n.d				
4-chloro-o-toluidine	95-69-2	USEPA 8270E	0,1	µg/L	n.d				
4-chloro-o-toluidinium chloride	3165-93-3	USEPA 8270E	0,1	µg/L	n.d				
4-chloroaniline	106-47-8	USEPA 8270E	0,1	µg/L	n.d				
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	USEPA 8270E	0,1	µg/L	n.d				
4-methoxy-m-phenylenediamine	615-05-4	USEPA 8270E	0,1	µg/L	n.d				
4-methyl-m-phenylenediamine	95-80-7	USEPA 8270E	0,1	µg/L	n.d				
4,4-methylenebis-(2-chloro-aniline)	101-14-4	USEPA 8270E	0,1	µg/L	n.d				
4,4-methylenedi-o-toluidine	838-88-0	USEPA 8270E	0,1	µg/L	n.d				
4,4-methylenedianiline	101-77-9	USEPA 8270E	0,1	µg/L	n.d				

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID		AS-28032023-001		ZDHC Limits		
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Date of sampling		28.03.2023				
			Sampling Location		Raw Wastewater				
			Sampling start time		08:15				
			Sampling end time		14:15				
			Date of sample received		28.03.2023				
			Sample Description		Raw Wastewater				
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Raw Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit	
						mg/L	mg/L	mg/L	
4,4-oxydianiline	101-80-4	USEPA 8270E	0,1	µg/L	n.d				
4,4-thiodianiline	139-65-1	USEPA 8270E	0,1	µg/L	n.d				
5-nitro-o-toluidine	99-55-8	USEPA 8270E	0,1	µg/L	n.d				
6-methoxy-m-toluidine	120-71-8	USEPA 8270E	0,1	µg/L	n.d				
Benzidine	92-87-5	USEPA 8270E	0,1	µg/L	n.d				
o-aminoazotoluene	97-56-3	USEPA 8270E	0,1	µg/L	n.d				
o-anisidine	90-04-0	USEPA 8270E	0,1	µg/L	n.d				
o-toluidine	95-53-4	USEPA 8270E	0,1	µg/L	n.d				
15. UV Absorbers									
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	USEPA 8270	1	µg/L	n.d				
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	USEPA 8270	1	µg/L	n.d				
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	USEPA 8270	1	µg/L	n.d				
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	USEPA 8270	1	µg/L	n.d				
17. Volatile Organic Compounds (VOC)									
Benzene	71-43-2	USEPA 8260D	1	µg/L	n.d				
m-cresol	108-39-4	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d				
o-cresol	95-48-7	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d				
p-cresol	106-44-5	USEPA 3510C+EPA 8041A	0,5	µg/L	n.d				
Xylene	1330-20-7	USEPA 8260D	1	µg/L	n.d				
Toluene	108-88-3	EPA 8260 D	1	µg/L	n.d				

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Remarks:

n.d. = Not Detected,
N.A. = Not applicable

<p>PREPARED Murat FAAL Report Responsible</p> 	<p>APPROVED Resul ÖZDEŞ Laboratory Manager</p> 	<p>SEAL</p> 
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TEST REPORT

FACTORY INFORMATION

Name	:	MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş
Address	:	15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL
Telephone / Fax	:	+902126579747/+902126579754
VAT Office / Number	:	-
Application Date	:	23.03.2023
Application Number	:	T-86400-2023-01

SAMPLE INFORMATION

Sample Type	:	Wastewater
Sample Name	:	-
No. of Samples	:	1
Sampling Date	:	28.03.2023
Sampling Location	:	Discharge Wastewater
Sampling Method	:	6 Hours Composite
Sample Arrival Type	:	Sampling by our Laboratory(Seal:20919)
Sample Received Date	:	28.03.2023
Sample ID	:	AS-28032023-011
Test Performing Period	:	28.03.2023-28.04.2023
Report Date	:	28.04.2023
Report No	:	R-86400-2023-02

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Factory Name: MERKOTEKS TEKSTİL SAN. VE TİC. A.Ş			Sample ID		AS-28032023-011	ZDHC Limits		
			Date of sampling		28.03.2023			
Factory Address: 15 TEMMUZ MAH. HALKALI CAD. NO:113 GÜNEŞLİ BAĞCILAR/İSTANBUL			Sampling Location		Discharge Wastewater			
			Sampling start time		08:30			
			Sampling end time		14:30			
			Date of sample received		28.03.2023			
			Sample Description		Discharge Wastewater			
ITEMS	CAS No.	Methods	Reporting Limit	Unit	Discharge Wastewater Results	Foundational Limit	Progressive Limit	Aspirational Limit
						mg/L	mg/L	mg/L
ZDHC Heavy Metals Wastewater Parameters and Limits, Table 2								
Chromium (VI)	-	ISO 18412	0,001	mg/L	n.d	Textile: 0.05 Leather: 0.15	Textile: 0.005 Leather: 0.05	Textile: 0.001 Leather: 0.02
Arsenic	-	USEPA 3051A + USEPA 200.7	0,005	mg/L	n.d	Textile and Leather: 0.05	Textile and Leather: 0.01	Textile and Leather: 0.005
Cadmium	-	USEPA 3051A + USEPA 200.7	0,003	mg/L	n.d	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01
Lead	-	USEPA 3051A + USEPA 200.7	0,01	mg/L	n.d	Textile and Leather: 0.1	Textile and Leather: 0.05	Textile and Leather: 0.01
Mercury	-	ISO 11885	0,001	mg/L	n.d	Textile and Leather: 0.01	Textile and Leather: 0.005	Textile and Leather: 0.001

Remarks:

n.d. = Not Detected,
N.A. = Not applicable

PREPARED Murat FAAL Report Responsible 	APPROVED Resul ÖZDEŞ Laboratory Manager 	SEAL 
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