

SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)

Number: TURA240051917

Report Date: 13/05/2024

Factory's name :	TEKBOY TEKSTİL VE BOYAMA SANAYİİ VE TİCARET A.Ş
Factory's address :	Banka Tarla Mevkii Karayollar Lojman yanı Lüleburgaz/Kırklareli
Type of wastewater discharge:	Direct discharge
On-site Wastewater treatment plant:	With wastewater treatment plant
Avg. total industrial wastewater:	≥ 15m ³ /day
Date and time of the beginning of sampling:	02/05/2024
Date and time of the end of sampling:	02/05/2024
Date received sample	03/05/2024
Testing period:	From 03/05/2024 to 13/05/2024
Arrival temperature at laboratory:	7.2 °C
Sample type:	
Sample / Incoming water	N/A
Sample / Untreated wastewater	[Black, composite sample at 11:30, 12:30, 13:30, 14:30, 15:30, 16:30, 17:30] [Sampling location: Latitude 41.44392, Longitude 27.380494]
Sample / Effluent	[Transparent, composite sample at 11:35 12:35, 13:35, 14:35, 15:35, 16:35, 17:35] [Sampling location: Latitude 41.44392, Longitude 27.380494]
Sample / Sludge	[Black, grab sample at 15:00] [Sampling location: Latitude 41.44392, Longitude 27.380494]
Sampling laboratory:	Intertek Turkey
Testing laboratory:	Intertek Turkey
ZDHC sampler accreditation certification number:	ZHD-A-22-E-C001068-R21CD-FA2B0
Local legal standard name ^[a] :	Tablo 10.5 : Tekstil Sanayii (Örgü Kumaş Terbiyesi ve Benzerleri)
Local legal standard no. ^[a] :	RG-17/12/2022-32046
Parameters (ZDHC WWSG V2.1, Table 2-3) exceeded local regulation:	No exceeded
Discharge permit provided:	Yes

Tests conducted:

As requested by a brand program, for details refer to attached page(s).



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Summary of test results:

Wastewater / MRSL – Test items	Testing period	Untreated Wastewater
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	From 03/05/2024 to 13/05/2024	ND
Anti-Microbials & Biocides	From 03/05/2024 to 13/05/2024	ND
Chlorinated Parafins	From 03/05/2024 to 13/05/2024	ND
Chlorobenzenes and Chlorotoluenes	From 03/05/2024 to 13/05/2024	ND
Chlorophenols	From 03/05/2024 to 13/05/2024	ND
Dimethyl Formamide (DMFa) (*)	From 03/05/2024 to 13/05/2024	ND
Dyes – Carcinogenic or Equivalent Concern	From 03/05/2024 to 13/05/2024	ND
Dyes – Disperse (Allergenic)	From 03/05/2024 to 13/05/2024	ND
Dyes – Navy Blue Colourant	From 03/05/2024 to 13/05/2024	ND
Flame Retardants	From 03/05/2024 to 13/05/2024	ND
Glycols / Glycol Ethers	From 03/05/2024 to 13/05/2024	ND
Halogenated solvents	From 03/05/2024 to 13/05/2024	ND
Organotin compounds	From 03/05/2024 to 13/05/2024	ND
Other/Miscellaneous Chemicals (^)	From 03/05/2024 to 13/05/2024	ND
Perfluorinated & Polyfluorinated chemicals (PFCs)	From 03/05/2024 to 13/05/2024	ND
Phthalates (Ortho-phthalates)	From 03/05/2024 to 13/05/2024	ND
Polycyclic aromatic hydrocarbons (PAHs)	From 03/05/2024 to 13/05/2024	ND
Restricted Aromatic Amines (Cleavable from Azo- colourants)	From 03/05/2024 to 13/05/2024	ND
UV Absorbers	From 03/05/2024 to 13/05/2024	ND
Volatile Organic Compounds (VOC)	From 03/05/2024 to 13/05/2024	ND



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Wastewater / Heavy metals - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
Antimony	From 03/05/2024 to 13/05/2024			Meet
Chromium (VI)	From 03/05/2024 to 13/05/2024			Meet
Barium	From 03/05/2024 to 13/05/2024			Meet
Selenium	From 03/05/2024 to 13/05/2024			Meet
Tin	From 03/05/2024 to 13/05/2024			Meet
Arsenic	From 03/05/2024 to 13/05/2024			Meet
Chromium (total)	From 03/05/2024 to 13/05/2024			Meet
Cobalt	From 03/05/2024 to 13/05/2024			Meet
Cadmium	From 03/05/2024 to 13/05/2024			Meet
Copper	From 03/05/2024 to 13/05/2024			Meet
Lead	From 03/05/2024 to 13/05/2024			Meet
Nickel	From 03/05/2024 to 13/05/2024			Meet
Silver	From 03/05/2024 to 13/05/2024			Meet
Zinc	From 03/05/2024 to 13/05/2024			Meet
Mercury	From 03/05/2024 to 13/05/2024			Meet



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Wastewater / Conventional parameters - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
pH ^[f]	From 02/05/2024 to 02/05/2024	Meet		
Temperature difference ^[f]	From 02/05/2024 to 02/05/2024			Meet
E.coli	From 03/05/2024 to 03/05/2024	Meet		
Colour	From 03/05/2024 to 03/05/2024			Meet
Persistent foam ^[f]	From 02/05/2024 to 02/05/2024	Meet		
Wastewater flowrate ^[f]	From 02/05/2024 to 02/05/2024	1500 m3/day		
Ammonium-Nitrogen	From 03/05/2024 to 03/05/2024			Meet
AOX	From 03/05/2024 to 03/05/2024			Meet
Biochemical Oxygen Demand (BOD ₅)	From 03/05/2024 to 08/05/2024			Meet
Chemical Oxygen Demand (COD)	From 03/05/2024 to 03/05/2024			Meet
Dissolved Oxygen (DO) ^[f]	From 02/05/2024 to 02/05/2024	6.8 mg/L		
Oil & Grease	From 06/05/2024 to 07/05/2024			Meet
Total Phenols / Phenol Index	From 03/05/2024 to 03/05/2024			Meet
Total Chlorine ^[f]	From 02/05/2024 to 02/05/2024	ND		
Total Dissolved Solids (TDS)	From 03/05/2024 to 03/05/2024	448 mg/L		
Total Nitrogen	From 03/05/2024 to 03/05/2024			Meet
Total Phosphorus	From 03/05/2024 to 06/05/2024		Meet	
Total Suspended Solids (TSS)	From 03/05/2024 to 03/05/2024			Meet

Wastewater / Anions - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
Chloride	From 03/05/2024 to 03/05/2024	127.2 mg/L		
Cyanide, total	From 03/05/2024 to 03/05/2024			Meet
Sulfate	From 03/05/2024 to 03/05/2024	88.5 mg/L		
Sulfide	From 03/05/2024 to 03/05/2024			Meet
Sulfite	From 03/05/2024 to 03/05/2024			Meet



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Sludge – Disposal Pathways
B

Sludge / Heavy metals - Test items	Testing period	Sludge (Total)	Sludge (Leachate)
Antimony	From 03/05/2024 to 13/05/2024	Meet	
Arsenic	From 03/05/2024 to 13/05/2024	Meet	
Barium	From 03/05/2024 to 13/05/2024	Meet	
Cadmium	From 03/05/2024 to 13/05/2024	Meet	
Cobalt	From 03/05/2024 to 13/05/2024	Meet	
Copper	From 03/05/2024 to 13/05/2024	Meet	
Lead	From 03/05/2024 to 13/05/2024	Meet	
Nickel	From 03/05/2024 to 13/05/2024	Meet	
Selenium	From 03/05/2024 to 13/05/2024	Meet	
Silver	From 03/05/2024 to 13/05/2024	Meet	
Chromium (total)	From 03/05/2024 to 13/05/2024	Meet	
Zinc	From 03/05/2024 to 13/05/2024	Meet	
Chromium VI	From 03/05/2024 to 13/05/2024	Meet	
Mercury	From 03/05/2024 to 13/05/2024	Meet	

Sludge / Anion - Test items	Testing period	Sludge
Cyanide	From 03/05/2024 to 03/05/2024	Meet

Sludge / Conventional parameters - Test items	Testing period	Sludge
pH	From 03/05/2024 to 03/05/2024	Meet
% Solids	From 03/05/2024 to 03/05/2024	35.3
Paint filter test	From 03/05/2024 to 03/05/2024	Meet
Faecal coliform	From 03/05/2024 to 06/05/2024	Meet



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Sludge / MRSL - Test items	Testing period	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	From 03/05/2024 to 13/05/2024	ND
Polycyclic Aromatic Hydrocarbons (PAHs)	From 03/05/2024 to 13/05/2024	ND
Chlorotoluenes	From 03/05/2024 to 13/05/2024	ND

Remark:
ND = Not detected (less than lab reporting limit)
D = Detected
N/A = Not applicable (Out of scope according to ZDHC WWSG v2.1)
NT = Not tested (Did not test according to applicant's request)
^(S) = The samples were subcontracted to Intertek [Intertek Turkey Food Laboratory] for testing.
^(T) = If sample temperature is greater than 8°C and less than 10°C when received from the laboratory.
^(TT) = If sample temperature is exceeded 10°C when received from the laboratory.
@ = Maximum holding time exceeded.
(*) = Sample and report for mock leather.
(^) = Borate, zinc salt would report ND when total boron or total zinc less than 100 µg/L.
^[f] = On-site test by sampler.
^[a] = The local legal standard name and legal standard no. is referenced to discharge permit (or contractual agree by CETP) that provided by applicant.
This report shown the test result of the environment samples of above factory which collected on specific date and time. The results of this report shall not be used for any regulatory compliance purposes.

For and on behalf of
Intertek Testing Services TURKEY Limited

Prepared and Checked By:



Eralp Anil
Environmental Engineer
For Intertek Testing Services Turkey

Authorized By:



Kerem Can
Consumer Products Operational
Excellence Director
For Intertek Testing Services Turkey



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Sample / Wastewater

1. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers

APs&APEOs (n=1,2): modified from ISO 18857-1, ISO 18857-2, ASTM D7065) (GC-MS analysis)

APs&APEOs (n>2): modified from ISO 18254-1) (LC-MS-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Reporting limit (µg/L)	Untreated wastewater	Unit
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	5	5	ND	µg/L
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	5	5	ND	µg/L
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	5	5	ND	µg/L
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	5	5	ND	µg/L

2. Anti- Microbials & Biocides

Modified from EPA 3510C, EPA 8270E (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
o-Phenylphenol (+salts)	90-43-7	100	100	ND	µg/L
Triclosan	3380-34-5	100	100	ND	µg/L
Permethrin	Multiple	500	500	ND	µg/L



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3. Chlorinated Parafins

Modified from EPA 3510C, ISO 1201 (GC-ECNI-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	500	500	ND	µg/L
Short-chain Chlorinated paraffin (C10 – C13)	85535-84-8	25	25	ND	µg/L

4. Chlorobenzenes and Chlorotoluenes

Modified from EPA 3510C, EPA 8260D, EPA 8270E (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
1,2-Dichlorobenzene	95-50-1	0.2	0.2	ND	µg/L
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa-Chlorobenzene and mono-, di-, tri-, tetra- and penta-chlorotoluene	Multiple	0.2	0.2	ND	µg/L

5. Chlorophenols

Modified from EPA 3510C, EPA 8270E (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
2-Chlorophenol	95-57-8	0.5	0.5	ND	µg/L
3-Chlorophenol	108-43-0	0.5	0.5	ND	µg/L
4-Chlorophenol	106-48-9	0.5	0.5	ND	µg/L
2,3-Dichlorophenol	576-24-9	0.5	0.5	ND	µg/L
2,4-Dichlorophenol	120-83-2	0.5	0.5	ND	µg/L
2,5-Dichlorophenol	583-78-8	0.5	0.5	ND	µg/L
2,6-Dichlorophenol	87-65-0	0.5	0.5	ND	µg/L
3,4-Dichlorophenol	95-77-2	0.5	0.5	ND	µg/L
3,5- Dichlorophenol	591-35-5	0.5	0.5	ND	µg/L
2,3,4-Trichlorophenol	15950-66-0	0.5	0.5	ND	µg/L
2,3,5-Trichlorophenol	933-78-8	0.5	0.5	ND	µg/L



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2,3,6-Trichlorophenol	933-75-5	0.5	0.5	ND	µg/L
2,4,5-Trichlorophenol	95-95-4	0.5	0.5	ND	µg/L
2,4,6-Trichlorophenol	88-06-2	0.5	0.5	ND	µg/L
3,4,5-Trichlorophenol	609-19-8	0.5	0.5	ND	µg/L
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	0.5	ND	µg/L
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	0.5	ND	µg/L
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	0.5	ND	µg/L
Pentachlorophenol (PCP)	87-86-5	0.5	0.5	ND	µg/L

6. Dimethyl Formamide (DMFa)

Modified from DIN 54439 (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Dimethyl formamide; N,N-dimethylformamide (DMFa) (*)	68-12-2	1000	1000	ND	µg/L

(*) = Sample and report for mock leather.

7. Dyes – Carcinogenic or Equivalent Concern

Modified from DIN 54231 (LC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	500	500	ND	µg/L
C.I. Acid Red 26	3761-53-3	500	500	ND	µg/L
C.I. Acid Violet 49	1694-09-3	500	500	ND	µg/L
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	500	ND	µg/L
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500	500	ND	µg/L
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	500	ND	µg/L
C.I. Basic Green 4 (malachite green)	10309-95-2	500	500	ND	µg/L
C.I. Basic Red 9	569-61-9	500	500	ND	µg/L
C.I. Basic Violet 14	632-99-5	500	500	ND	µg/L
C.I. Direct Black 38	1937-37-7	500	500	ND	µg/L
C.I. Direct Blue 6	2602-46-2	500	500	ND	µg/L
C.I. Direct Red 28	573-58-0	500	500	ND	µg/L
C.I. Disperse Blue 1	2475-45-8	500	500	ND	µg/L
C.I. Disperse Blue 3	2475-46-9	500	500	ND	µg/L
Disperse Orange 11	82-28-0	500	500	ND	µg/L

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8. Dyes – Disperse (Allergenic)

Modified from DIN 54231 (LC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Disperse Blue 102	12222-97-8	50	50	ND	µg/L
Disperse Blue 106	12223-01-7	50	50	ND	µg/L
Disperse Blue 124	61951-51-7	50	50	ND	µg/L
Disperse Blue 26	3860-63-7	50	50	ND	µg/L
Disperse Blue 35	12222-75-2 56524-77-7	50	50	ND	µg/L
Disperse Blue 7	3179-90-6	50	50	ND	µg/L
Disperse Brown 1	23355-64-8	50	50	ND	µg/L
Disperse Orange 1	2581-69-3	50	50	ND	µg/L
Disperse Orange 3	730-40-5	50	50	ND	µg/L
Disperse Orange 37/59/76	13301-61-6	50	50	ND	µg/L
Disperse Red 1	2872-52-8	50	50	ND	µg/L
Disperse Red 11	2872-48-2	50	50	ND	µg/L
Disperse Red 17	3179-89-3	50	50	ND	µg/L
Disperse Yellow 1	119-15-3	50	50	ND	µg/L
Disperse Yellow 3	2832-40-8	50	50	ND	µg/L
Disperse Yellow 39	12236-29-2	50	50	ND	µg/L
Disperse Yellow 49	54824-37-2	50	50	ND	µg/L
Disperse Yellow 9	6373-73-5	50	50	ND	µg/L

9. Dyes – Navy Blue Colourant

Modified from DIN 54231 (LC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Component 1: C ₃₉ H ₂₃ Cl-CrN ₇ O ₁₂ S ₂ 2Na	118685-33-9	500	500	ND	µg/L
Component 2: C ₄₆ H-30CrN ₁₀ O ₂₀ S ₂ 3Na	Not Allocated	500	500	ND	µg/L

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10. Flame retardants

Brominated substances: Modified from EPA 3510C, EPA 527, ISO 22032 (GC-MS and ICP-MS analysis)

Brominated/Phosphorus substances: Modified from EPA 3510C, EPA 8321B (LC-MS-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	25	ND	µg/L
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	25	25	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	25	ND	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	25	25	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	25	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	25	ND	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	25	25	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	25	25	ND	µg/L
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	25	ND	µg/L
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	25	25	ND	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	25	ND	µg/L
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	25	ND	µg/L
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	25	ND	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	25	25	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	25	25	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	25	25	ND	µg/L
Dibromopropylether	21850-44-2	25	25	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	25	ND	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	25	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	25	25	ND	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	25	25	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	25	25	ND	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	25	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	25	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	25	25	ND	µg/L
Boric acid **	10043-35-3 11113-50-1	100 in Boron	100 in Boron	ND	µg/L

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Diboron trioxide **	1303-86-2	100 in Boron	100 in Boron	ND	µg/L
Disodium octaborate **	12008-41-2	100 in Boron	100 in Boron	ND	µg/L
Disodium tetraborate anhydrous**	1303-96-4 1330-43-4	100 in Boron	100 in Boron	ND	µg/L
Tetraboron disodium heptaoxide, hydrate **	12267-73-1	100 in Boron	100 in Boron	ND	µg/L

** Report total Boron directly, no conversion from Boron salt.

11. Glycols / Glycol Ethers

Modified from EPA 3510C (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
2-ethoxyethanol	110-80-5	50	50	ND	µg/L
2-ethoxyethyl acetate	111-15-9	50	50	ND	µg/L
2-methoxyethanol	109-86-4	50	50	ND	µg/L
2-methoxyethylacetate	110-49-6	50	50	ND	µg/L
2-methoxypropylacetate	70657-70-4	50	50	ND	µg/L
Bis(2-methoxyethyl)-ether	111-96-6	50	50	ND	µg/L
Ethylene glycol dimethyl ether	110-71-4	50	50	ND	µg/L
Triethylene glycol dimethyl ether	112-49-2	50	50	ND	µg/L

12. Halogenated solvents

Modified from EPA 8260D, EPA 5021A (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
1,2-Dichloroethane	107-06-2	1	1	ND	µg/L
Methylene chloride	75-09-2	1	1	ND	µg/L
Tetrachloroethylene	127-18-4	1	1	ND	µg/L
Trichloroethylene	79-01-6	1	1	ND	µg/L

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13. Organotin compounds

Modified from EPA 3510C, ISO 17353 (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Dipropyltin compounds (DPT)	Multiple	0.01	0.01	ND	µg/L
Mono-, di- and tri-butyltin derivatives	Multiple	0.01	0.01	ND	µg/L
Mono, di-, and tri-methyltin derivatives	Multiple	0.01	0.01	ND	µg/L
Mono, di-, and tri-octyltin derivatives	Multiple	0.01	0.01	ND	µg/L
Mono, di-, and tri-phenyltin derivatives	Multiple	0.01	0.01	ND	µg/L
Tetraethyltin compounds (TeBT)	Multiple	0.01	0.01	ND	µg/L
Tripropyltin Compounds (TPT)	Multiple	0.01	0.01	ND	µg/L
Tetraoctyltin compounds (TeOT)	Multiple	0.01	0.01	ND	µg/L
Tricyclohexyltin (TCyHT)	Multiple	0.01	0.01	ND	µg/L
Tetraethyltin Compounds (TeET)	Multiple	0.01	0.01	ND	µg/L

14. Other/Miscellaneous Chemicals

Others: Micro filtration method (LC-MS-MS analysis)

AEAA: Liquid-liquid extraction (LC-MS-MS analysis)

Quinoline: Modified from DIN 54231 (LC-MS-MS analysis)

Borate salt: Modified from EPA 3015A ve EPA 6020B (ICP-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
AEAA [2-(2-aminoethylamino)ethanol]	111-41-1	500	500	ND	µg/L
Bisphenol A	80-05-7	10	10	ND	µg/L
Thiourea	62-56-6	50	50	ND	µg/L
Quinoline	91-22-5	50	50	ND	µg/L
Borate, zinc salt ^^	12767-90-7	100 in Boron & 100 in Zinc	100 in Boron & 100 in Zinc	Boron: ND Zinc:171.3	µg/L

(^^) = Report total boron & total zinc individually, and no conversion from boron / zinc salt.



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15. Perfluorinated & polyfluorinated chemicals (PFCs)

PFCs: Modified from DIN 38407-42, CEN/TS 15968 (LC-MS-MS analysis)

FTOH: Modified from EPA 3510C, CEN/TS 15968, Journal of Chromatography A, 1178 (2008) 199-205 (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Perfluorooctane sulfonate (PFOS) and related substances, Perfluorooctanoic acid (PFOA)	Multiple	0.01	0.01	ND	µg/L
Perfluorooctanoic acid (PFOA) related Substances	Multiple	1	1	ND	µg/L

16. Phthalates – including all other esters of ortho-phthalic acid

Modified from EPA 3510C, EPA 8270E, ISO 18856, ISO 14389 (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	10	10	ND	µg/L
1,2-benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	10	10	ND	µg/L
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	10	ND	µg/L
Butyl benzyl phthalate (BBP)	85-68-7	10	10	ND	µg/L
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	10	ND	µg/L
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	10	ND	µg/L
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	10	ND	µg/L
Di-isobutyl phthalate (DIBP)	84-69-5	10	10	ND	µg/L
Di-isononyl phthalate (DINP)	28553-12-0	10	10	ND	µg/L
Di-n-hexyl phthalate (DnHP)	84-75-3	10	10	ND	µg/L
Di-n-octyl phthalate (DNOP)	117-84-0	10	10	ND	µg/L
Di-n-pentylphthalates	131-18-0	10	10	ND	µg/L
Di-n-propyl phthalate (DPRP)	131-16-8	10	10	ND	µg/L
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	10	ND	µg/L
Dibutyl phthalate (DBP)	84-74-2	10	10	ND	µg/L
Diethyl phthalate (DEP)	84-66-2	10	10	ND	µg/L
Diisopentylphthalates	605-50-5	10	10	ND	µg/L
Dinonyl phthalate (DNP)	84-76-4	10	10	ND	µg/L

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17. Polycyclic aromatic hydrocarbons (PAHs)

Modified from EPA 3510C, EPA 8270E, DIN 38407-39 (GC-MS analysis).

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Acenaphthene	83-32-9	1	1	ND	µg/L
Acenaphthylene	208-96-8	1	1	ND	µg/L
Anthracene	120-12-7	1	1	ND	µg/L
Benzo[a]anthracene	56-55-3	1	1	ND	µg/L
Benzo[a]pyrene (BaP)	50-32-8	1	1	ND	µg/L
Benzo[b]fluoranthene	205-99-2	1	1	ND	µg/L
Benzo[e]pyrene	192-97-2	1	1	ND	µg/L
Benzo[ghi]perylene	191-24-2	1	1	ND	µg/L
Benzo[j]fluoranthene	205-82-3	1	1	ND	µg/L
Benzo[k]fluoranthene	207-08-9	1	1	ND	µg/L
Chrysene	218-01-9	1	1	ND	µg/L
Dibenz[a,h]anthracene	53-70-3	1	1	ND	µg/L
Fluoranthene	206-44-0	1	1	ND	µg/L
Fluorene	86-73-7	1	1	ND	µg/L
Indeno[1,2,3-cd]pyrene	193-39-5	1	1	ND	µg/L
Naphthalene	91-20-3	1	1	ND	µg/L
Phenanthrene	85-01-8	1	1	ND	µg/L
Pyrene	129-00-0	1	1	ND	µg/L

18. Restricted Aromatic Amines (Cleavable from Azo-colourants)

Modified from EPA 3510C, ISO 14362-1 (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
2-Naphthylamine	91-59-8	0.1	0.1	ND	µg/L
2-Naphthylammoniumacetate	553-00-4	0.1	0.1	ND	µg/L
2,4-Xylidine	95-68-1	0.1	0.1	ND	µg/L
2,4,5-Trimethylaniline	137-17-7	0.1	0.1	ND	µg/L
2,4,5-Trimethylaniline hydrochloride	21436-97-5	0.1	0.1	ND	µg/L
2,6-Xylidine	87-62-7	0.1	0.1	ND	µg/L
3,3'-Dichlorobenzidine	91-94-1	0.1	0.1	ND	µg/L
3,3'-Dimethoxybenzidine	119-90-4	0.1	0.1	ND	µg/L
3,3'-Dimethylbenzidine	119-93-7	0.1	0.1	ND	µg/L



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4-Aminoazobenzene	60-09-3	0.1	0.1	ND	µg/L
4-Aminodiphenyl	92-67-1	0.1	0.1	ND	µg/L
4-Chloro-o-toluidine	95-69-2	0.1	0.1	ND	µg/L
4-Chloro-o-toluidinium chloride	3165-93-3	0.1	0.1	ND	µg/L
4-Chloroaniline	106-47-8	0.1	0.1	ND	µg/L
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	0.1	ND	µg/L
4-methoxy-m-phenylenediamine	615-05-4	0.1	0.1	ND	µg/L
4-methyl-m-phenylenediamine	95-80-7	0.1	0.1	ND	µg/L
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1	0.1	ND	µg/L
4,4'-methylenedi-o-toluidine	838-88-0	0.1	0.1	ND	µg/L
4,4'-methylenedianiline	101-77-9	0.1	0.1	ND	µg/L
4,4'-Oxydianiline	101-80-4	0.1	0.1	ND	µg/L
4,4'-Thiodianiline	139-65-1	0.1	0.1	ND	µg/L
5-Nitro-o-toluidine	99-55-8	0.1	0.1	ND	µg/L
6-methoxy-m-toluidine	120-71-8	0.1	0.1	ND	µg/L
Benzidine	92-87-5	0.1	0.1	ND	µg/L
o-Aminoazotoluene	97-56-3	0.1	0.1	ND	µg/L
o-Anisidine	90-04-0	0.1	0.1	ND	µg/L
o-Toluidine	95-53-4	0.1	0.1	ND	µg/L

19. UV Absorbers

Liquid-Liquid extraction (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	100	ND	µg/L
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	100	ND	µg/L
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	100	100	ND	µg/L
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	100	ND	µg/L

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20. Volatile organic compounds (VOCs)

Modified from EPA 8260D, EPA 5021A (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Lab reporting limit (µg/L)	Untreated wastewater	Unit
Benzene	71-43-2	1	1	ND	µg/L
m-cresol	108-39-4	1	1	ND	µg/L
o-cresol	95-48-7	1	1	ND	µg/L
p-cresol	106-44-5	1	1	ND	µg/L
Xylene	1330-20-7	1	1	ND	µg/L
Toluene (*)	108-88-3	1	1	ND	µg/L

(*) = Sample and report for mock leather.

21. Heavy metals

Others; Modified from EPA 3015A, EPA 6020B (ICP-MS analysis)

Chromium (VI); ISO 18412 (UV/VIS analysis)

Chemical substances	Limit			Legal* Requirement	Lab Reporting limit	Effluent	Unit
	Foundational	Progressive	Aspirational				
Antimony	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.01	ND	mg/L
Chromium (VI)	0.05 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.001	ND	mg/L
Barium	Sample and report only			N/A	0.01	ND	mg/L
Selenium	Sample and report only			N/A	0.01	ND	mg/L
Tin	Sample and report only			N/A	0.01	ND	mg/L
Arsenic	0.05 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.005	ND	mg/L
Chromium (total)	0.2 mg/L	0.1 mg/L	0.05 mg/L	2	0.05	ND	mg/L
Cobalt	0.05 mg/L	0.02 mg/L	0.01 mg/L	N/A	0.01	ND	mg/L
Cadmium	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.01	ND	mg/L
Copper	1 mg/L	0.5 mg/L	0.25 mg/L	N/A	0.25	ND	mg/L
Lead	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.01	ND	mg/L
Nickel	0.2 mg/L	0.1 mg/L	0.05 mg/L	N/A	0.05	ND	mg/L
Silver	0.1 mg/L	0.05 mg/L	0.005 mg/L	N/A	0.005	ND	mg/L
Zinc	5.0 mg/L	1.0 mg/L	0.5 mg/L	N/A	0.5	ND	mg/L
Mercury	0.01 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.001	ND	mg/L



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22. Conventional parameters

Parameters	Test method	Limit			Legal* Requirement	Lab Reporting limit	Effluent	Unit
		Foundational	Progressive	Aspirational				
pH	SM 4500-H+	6-9			N/A	N/A	7.1	[f]
Temperature difference	SM 2550 B	△+15	△+10	△+5	N/A	N/A	1.4	[f] °C
E.coli ⁽⁵⁾	ISO 9308-1	126			N/A	126	ND	MPN/100ml
Colour (436 nm ; 525 nm ; 620nm)	ISO 7887-B	7;5;3	5;3;2	2;1;1	N/A	N/A	0.9;0.8;0.6	[m-1]
Persistent Foam	/	No indication of Persistent foam in receiving water			N/A	N/A	Absent	[f]
Wastewater Flowrate	/	N/A			N/A	N/A	1500	[f] m ³ /day
Ammonium-Nitrogen	SM 4500 NH3 F	10	1	0.5	5	0.5	ND	mg/L
AOX	ISO 9562	3	0.5	0.1	N/A	0.1	ND	mg/L
Biochemical Oxygen Demand (BOD ₅)	SM 5210-B	30	15	8	N/A	8	ND	mg/L
Chemical Oxygen Demand (COD)	SM 5220-D	150	80	40	250	40	ND	mg/L
Dissolved Oxygen (DO)	SM 4500-O-G	Sample and report only			N/A	N/A	6.8	[f] mg/L
Oil and grease	USEPA 1664	10	2	0.5	10	0.5	ND	mg/L
Total Phenols / Phenol Index	SM 5530-B&C	0.5	0.01	0.001	1	0.001	ND	mg/L
Total Chlorine	ISO 7393-2	Sample and report only			N/A	0.2	ND	[f] mg/L
Total Dissolved Solids (TDS)	SM 2540-C	Sample and report only			N/A	10	448	mg/L
Total-Nitrogen	IS 3025 (Sum of SM4500-Norg B, SM4500-NO2-B, SM4500-NO3- E)	20	10	5	N/A	5	ND	mg/L



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Total-Phosphorus	EPA 3015 A & ISO 11885	3	0.5	0.1	N/A	0.1	0.2	mg/L
Total Suspended Solids (TSS)	SM 2540D	50	15	5	N/A	5	ND	mg/L
Chloride	SM 4500-Cl C	Sample and report only			N/A	10	127.2	mg/L
Cyanide, total	SM 4500-CN-C&E	0.2	0.1	0.05	N/A	0.05	ND	mg/L
Sulfate	SM 4500 SO4 E	Sample and report only			N/A	10	88.5	mg/L
Sulfide	SM 4500-S2-D	0.5	0.05	0.01	0.1	0.01	ND	mg/L
Sulfite	SM 4500 SO32 C	2	0.5	0.2	1	0.2	ND	mg/L

Remark:

ND = Not detected (less than reporting limit)

△ is the degree above ambient temperature of receiving water body.

@ = Maximum holding time exceeded.

^[f] = On-site test by sampler.

^[s] = The samples were subcontracted to Intertek [Intertek Turkey Food Laboratory] for testing.



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Sample / Sludge

Sludge flux (weight/time) and / or flow data volume/time: N/A

1. Heavy metals

Others: Modified from EPA 3051A, ISO 17294-2, EPA 6020B (ICP-MS analysis)

Chromium VI: Modified from ISO 18412, TS EN ISO 18412 (UV/VIS analysis)

Chemical substances	ZDHC reporting limit (Dry weight) (mg/kg)	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Antimony	5	5	ND	mg/kg
Arsenic	5	5	ND	mg/kg
Barium	200	200	ND	mg/kg
Cadmium	1	1	ND	mg/kg
Cobalt	400	400	ND	mg/kg
Copper	50	50	123	mg/kg
Lead	5	5	ND	mg/kg
Nickel	20	20	ND	mg/kg
Selenium	5	5	ND	mg/kg
Silver	50	50	ND	mg/kg
Total Chromium	50	50	ND	mg/kg
Zinc	400	400	ND	mg/kg
Chromium (VI)	20	20	ND	mg/kg
Mercury	1	1	ND	mg/kg

2. Anions

USEPA 9013 A, USEPA 9014 (UV/VIS analysis)

Chemical substances	ZDHC reporting limit (Dry weight) (mg/kg)	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Cyanide	20	20	ND	mg/kg



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3. Conventional parameters

Chemical substances	Test method	Lab reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	USEPA SW 9045D	N/A	8.1	N/A
% Solids	USEPA 160.3	N/A	35.3	%
Paint Filter Test ^	USEPA 9095B	N/A	Pass	N/A
Fecal Coliform ^(S)	TS EN ISO 7899-2	10 MPN/g	ND	MPN/g

^ - Report "Pass" when Paint Filter Test does not contain free liquid; Report "Fail" when Paint Filter Test does contain free liquid.

^(S) = The samples were subcontracted to Intertek [Intertek Turkey Food Laboratory] for testing.

4. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers

APs/APEOs (n=1,2): Modified from EPA 3540C, ISO 18857-2 (GC-MS analysis)

APs/APEOs (n>2): Modified from EPA 3550C, ISO 18254-1 (LC-MS-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (Dry weight) (mg/kg)	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	0.4	0.4	ND	mg/kg
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	0.4	0.4	ND	mg/kg
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	0.4	0.4	ND	mg/kg
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	0.4	0.4	ND	mg/kg



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5. Polycyclic aromatic hydrocarbons (PAHs)

Modified from EPA 3540C, EPA 8270E, DIN 38407-39 (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (Dry weight) (mg/kg)	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Acenaphthene	83-32-9	0.2	0.2	ND	mg/kg
Acenaphthylene	208-96-8	0.2	0.2	ND	mg/kg
Anthracene	120-12-7	0.2	0.2	ND	mg/kg
Benzo[a]anthracene	56-55-3	0.2	0.2	ND	mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	0.2	ND	mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	0.2	ND	mg/kg
Benzo[e]pyrene	192-97-2	0.2	0.2	ND	mg/kg
Benzo[ghi]perylene	191-24-2	0.2	0.2	ND	mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	0.2	ND	mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	0.2	ND	mg/kg
Chrysene	218-01-9	0.2	0.2	ND	mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	ND	mg/kg
Fluoranthene	206-44-0	0.2	0.2	ND	mg/kg
Fluorene	86-73-7	0.2	0.2	ND	mg/kg
Indeno[1,2,3-cd] pyrene	193-39-5	0.2	0.2	ND	mg/kg
Naphthalene	91-20-3	0.2	0.2	ND	mg/kg
Phenanthrene	85-01-8	0.2	0.2	ND	mg/kg
Pyrene	129-00-0	0.2	0.2	ND	mg/kg

6. Chlorotoluenes

Modified from EPA 3510C, EPA 8260D, EPA 8270E (GC-MS analysis)

Chemical substances	CAS no.	ZDHC reporting limit (Dry weight) (mg/kg)	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Other isomers of mono-, di-, tri-, tetra- and penta- chlorotoluene	Multiple	0.2	0.2	ND	mg/kg



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7. Leachate heavy metals

Others: EPA 1311, ISO 17294-2(ICP-MS analysis)

Chromium VI: EPA 1311, ISO 18412 (UV/VIS analysis)

Chemical substances	Lab. Reporting limit (mg/L)	Sludge	Unit
Arsenic	0.1	N/A	mg/L
Cadmium	0.03	N/A	mg/L
Total Chromium	1	N/A	mg/L
Lead	0.1	N/A	mg/L
Antimony	0.12	N/A	mg/L
Barium	7	N/A	mg/L
Cobalt	16	N/A	mg/L
Copper	2	N/A	mg/L
Nickel	0.7	N/A	mg/L
Selenium	0.1	N/A	mg/L
Silver	1	N/A	mg/L
Zinc	10	N/A	mg/L
Chromium (VI)	0.5	N/A	mg/L
Mercury	0.01	N/A	mg/L



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Appendix 1: reference to ZDHC WWSG v2.1 Table 4B

Parameters	Total metals and anions threshold values (mg/kg)	Disposal pathways						
		A and B (Leachate result in mg/L)	C (Leachate result in mg/L)	D (Leachate result in mg/L)	E (Leachate result in mg/L)	F (Leachate result in mg/L)	G (Leachate result in mg/L)	G (Total metals limit in mg/kg)
Arsenic	10	Report only if required to test	5	2.75	0.5	0.5	0.5	75
Cadmium	3		1	0.58	0.15	0.15	0.15	85
Total Chromium	100		15	10	5	5	5	3000
Lead	10		5	2.75	0.5	0.5	0.5	840
Antimony	12		15	7.8	0.6	0.6	0.6	Sample and report only
Barium	700		100	67.5	35	35	35	
Cobalt	1600		80	80	80	80	80	Sample and report only
Copper	200		25	17.5	10	10	10	
Nickel	70		20	11.75	3.5	3.5	3.5	420
Selenium	10		1	0.75	0.5	0.5	0.5	100
Silver	100		5	5	5	5	5	Sample and report only
Zinc	1000		250	150	50	50	50	
Chromium VI	50		5	3.75	2.5	2.5	2.5	50
Mercury	1		0.2	0.125	0.05	0.05	0.05	57



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Appendix 2: reference to ZDHC WWSG v2.1 Table 4C

Parameters	Disposal pathways							
	A and B	C	D	E	F	G		
pH	Sample and report only	5 – 11 s.u.	5 – 11 s.u.	5 – 11 s.u.	6.5 – 9 s.u.	6.5 – 9 s.u.		
% Solids		Sample and report only	Sample and report only	Sample and report only	Sample and report only	Sample and report only		
Fecal Coliform							Pass Paint filter test	Sample and report only
Paint Filter Test								
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers		Sample and report only	Sample and report only	< 0.4 mg/kg				
Polycyclic Aromatic Hydrocarbons (PAHs)								
Chlorotoluenes							< 0.2 mg/kg	

Appendix 2: reference to ZDHC WWSG v2.1 Table 4D




Parameters	Disposal pathways					
	A and B	C	D	E	F	G
Cyanide	Report only if required to test	100 mg/kg	85 mg/kg	70 mg/kg	70 mg/kg	70 mg/kg



SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)

Number: TURA240051917

Photo of sampling points:

<p>Incoming water -</p>	<p>Untreated wastewater 02/05/2024 & 11:30</p>
<p style="text-align: center;">X</p>	
<p>Effluent 02/05/2024 & 11:35</p>	<p>Sludge 02/05/2024 & 15:00</p>
	



SOFTLINES WASTEWATER TESTING
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Number: TURA240051917

Photo of samples:

<p>Incoming water -</p>	<p>Untreated wastewater 03/05/2024 & 08:00</p>
<p>X</p>	
<p>Effluent 03/05/2024 & 08:00</p>	<p>Sludge 03/05/2024 & 08:00</p>
	



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Attachment – sampling protocol for wastewater & sludge:

ZDHC İzleme / Monitoring

Form LG.469/11.03.2024/Rev.2

<p>Atıksu ve Çamur Numune Alım Tutanağı, ZDHC SAP 2.1'e göre Ek-E dahil. Sampling Protocol for Wastewater and Sludge acc. ZDHC.SAP.2.1 incl. Apdx. E</p>							
Firma Adı Facility Name:		Tekbay Tekstil ve Boyama Sanayi ve Ticaret A.Ş.					
Adres ve İlgili Address and Contact:		Banka Tarla Mevkii Karayolları Çayırcağı, Üsküdar/İstanbul					
Firma Türü Facility Type:		<input checked="" type="checkbox"/> Boya & Apre Dyeing & Finishing	<input type="checkbox"/> Kumaş Fabrikası Fabric Mill	<input type="checkbox"/> Yıkama & Apre Washing & Finishing	<input type="checkbox"/> Doğal Deri İşleme Natural Leather proc.	<input checked="" type="checkbox"/> Baskı Printing	<input type="checkbox"/> Yapay Deri İşleme Synthetic Leather proc.
Numune Alım Tarihi Date of sampling:		02/09/2024					
Genel Numune Kodu Sample General ID (Eğer Varsa / If Available):		<input checked="" type="checkbox"/> Direkt Deşarj / Direct Discharge		<input type="checkbox"/> Arıtmasız / Without Treatment		Deşarj Yeri / Discharge to:	
		<input type="checkbox"/> Dolaylı Deşarj / Indirect Discharge		<input type="checkbox"/> Ön Arıtmalı / With Pre-treatment		Tembelbey	
		<input type="checkbox"/> Sıfır Sıvı Deşarjı / Zero Liquid Discharge (ZLD)		<input checked="" type="checkbox"/> Arıtma Tesisi Var / With Own ETP		Dedisi	
		<input type="checkbox"/> Sentetik Selülozik Elyaf / MMCF					
Deşarj Tanımı Discharge Description:		Boya ve Baskı Sanayi Arıtma Sıvı Deşarjı					
Hava Durumu Weather Conditions:		Numune Alım Gününde / On Sampling Day:			Önceki Gün / On Day Before:		
		Güneşli			Güneşli		
<p>Numune Türü ve Detayları (ayrıca 2. Sayfaya bakın) / Sample Type and Details (also see page 2)</p>							
<input checked="" type="checkbox"/> Atıksu Deşarjı / Effluent Discharge		<input type="checkbox"/> Direkt / Direct: veya/ or <input type="checkbox"/> Dolaylı / Indirect		<input type="checkbox"/> AAT var / Facility has WWTP		<input checked="" type="checkbox"/> Dengeleme Tankı (DT) Mevcut / with Equalisation Tank (EQT) Present:	
Numune alım zamanlarını ve saha ölçümlerini sayfa 2'deki numune detaylarına yazınız. Enter sampling times in sample details (page 2), and measure field parameters.		Numune alım zamanlarını yazınız. Talep harici saha ölçümleri gerekli değildir. Enter sampling time(s) for indirect discharge. Field parameters are not required, except on client's request.		OATIS çalışır durumda / Plant is in operating condition		Hidrolik Bekleme Süresi (HBS) / Hydraulic Retention Time (HRT): : saat h (= Tank Hacmi Volume of tank [m³] / Debi Flow Rate [m³/h]) HRT >12 saat ise numune alımı yapılır. If HRT > 12h, grab sampling from EQT is allowed.	
<input type="checkbox"/> Ön arıtılmış Atıksu, Çamursuz / Pre-treated WW without sludge		<input type="checkbox"/> Arıtılmamış Atıksu / Untreated Wastewater		<input checked="" type="checkbox"/> DT Mevcut / with EQT: HBS / HRT : saat HRT >12 saat ise numune alımı yapılır. If HRT > 12h, grab sampling from EQT is allowed.		<input type="checkbox"/> Tesis Kullanım Suyu / Incoming Water	
						<input type="checkbox"/> Sentetik Selülozik Elyaf / MMCF	
<p><input type="checkbox"/> Çamur seçilen bertaraf yoluyla* Sludge with below disposal pathway: Çamur Yaşı / Age of Sludge: 2 gün/hafta (days/ weeks)</p>							
<input type="checkbox"/> A		<input checked="" type="checkbox"/> B		<input type="checkbox"/> C		<input type="checkbox"/> D	
<input type="checkbox"/> E		<input type="checkbox"/> F		<input type="checkbox"/> G		<input type="checkbox"/> H	
>1000 °C Harici Yakma Tesisi >1000 °C Offsite Incineration)		Kontrollü Düzenli Depolama Sahası Landfill with Significant Control		>1000 °C Yapı Malzemesi Üretim Prosesi Building products processed >1000 °C		Sınırlı Kontrollü Düzenli Depolama Sahası Landfill with Limited Control	
<1000 °C Yapı Malzemesi Üretim Prosesi / Yakma Incineration / Building Products Processed <1000 C		Düzensiz Depolama Sahası Landfill with No Control		Arazi İslahı Land Application			
<p>*Eğer bertaraf yolu bilgisi sağlanmazsa, bertaraf yolu 'F' olarak kabul edilir. if supplier cannot provide information, pathway "F" shall be assumed.</p>							
Üretilen Çamur Hacmi: 25.5 t Sludge Volume Produced		Om³/saat (m³/h) OL/saniye (l/sn) Diğer Birim (Belirtiniz) Other Unit (Specify):		Firmadan Alınan Bilgi Per Facility Info		Ölçülen Measured	
						Tahmini Estimated	
<input type="checkbox"/> Proses Kimyasalları Process Chemical		<input type="checkbox"/> Sıvı Liquid		<input type="checkbox"/> Katı (Toz / Granül / Parçacıklı) Solid (Powder / Granulate / Pieces)		<input checked="" type="checkbox"/> 'İşlemden' 'In Process'	
						<input checked="" type="checkbox"/> Depo / Stoktan From Warehouse / Storage	
Numune Alım Zamanları Times of Sampling		Arıtılmamış Atıksu Untreated		1 11:30		2 12:30	
		3 13:30		4 14:30		5 15:30	
		6 16:30		7 17:30		Veya Anlık or Grab:	
		Dolaylı Deşarj Effluent Indirect:		1 11:30		2 12:30	
		3		4		5	
		6		7		Veya Anlık or Grab:	
		Kullanım Suyu Incoming:		1		2	
		3		4		5	
		6		7		Veya Anlık or Grab:	
		Sıvı Çamur Liquid Sludge:		1		2	
		3		4		5	
		6		7		Kuru Çamur Solid Sludge: 15:00	
Fotoğraf No. (veya Tarih & Saat / Aralık) Picture ID (or Date & Time / Interval):		Numune Alım Noktalarının GPS Koordinatları GPS Coordinates of Sampling Points:					
		Tesis Kullanım Suyu / Incoming W.:		Lat.: ON OS		Long.: OE OW	
		Arıtılmamış Atıksu/ Untreated WW:		Lat.: ON OS 41.44325		Long.: OE OW 27.880134	
		Deşarj/ Effluent:		Lat.: ON OS 41.44325		Long.: OE OW 27.880134	
		Çamur/ Sludge:		Lat.: ON OS 41.44325		Long.: OE OW 27.880134	



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Numune Detayları Sample Details		Saha ölçüm parametreleri sadece direkt deşarj için gereklidir. Ancak dolaylı deşarj için talep varsa bu alan kullanılmalıdır. Field parameters usually are required only for direct discharge. If client requests also for indirect discharge, use below fields.						
<input checked="" type="checkbox"/> Kompozit Numune Alım Composite Sample		<input type="checkbox"/> Anlık Numune Alım (Ortalama değer kolonunu kullanın) Grab Sample (Use column for Averaged Readings and fields at right)					Alınan Numunelerin Hacmi Volume of Aliquot(s): 20.00 mL	
Numune Alma Zamanları Time of Taking Discrete Sample	1	2	3	4	5	6	7	Ortalama Değerler veya Anlık Numune Ölçümleri Avg. Readings or Grab Sample:
pH:	11:35	12:35	13:35	14:35	15:35	16:35	17:35	7.1
Sıcaklık Temp.	23.1 °C	23.5 °C	23.8 °C	24.9 °C	23.2 °C	23.1 °C	22.4 °C	22.3 °C
Atıksu Deşarj Alıcı Ortam WW Discharge Receiving Water								23.7 °C
Debi Flow Rate:								150 m³/gün(d)
Çözünmüş Oksijen Dissolved Oxygen:	7.2 mg/L	7.7 mg/L	7.2 mg/L	7.7 mg/L	7.5 mg/L	7.7 mg/L	7.2 mg/L	6.8 mg/L
Toplam Klor Total Chlorine:	0 mg/L	0 mg/L	0 mg/L	0 mg/L	0 mg/L	0 mg/L	0 mg/L	0 mg/L
Kalıcı Köpük Persistent Foam:	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No
Numune adedi yedi'den fazla ve eğer yukarıdaki alan yeterli gelmezse, yorumlar kısmını kullanın. Use comment field if number of samples is greater than seven, or if above fields are otherwise not sufficient.								
Numune Alım Metodu Sampling Technique:		<input type="radio"/> Otomatik Numune Alım Automated Sampling		<input checked="" type="radio"/> Beher ile With Beaker		<input type="radio"/> Diğer Other:		
Atıksu Debi Bilgisi (Deşarj) Wastewater Flow Data (Effluent / Discharge)								
Ölçüm Sistemi System:	<input type="checkbox"/> Debi Metre (Fırmanın) Flow Meter (In Facility)		<input type="checkbox"/> Boru (O) Pipe		<input type="checkbox"/> Su yolu (U) Flume		<input type="checkbox"/> V Çentikli Savak (V) Wier	
Çap [cm] Diameter								
Su Derinliği [cm] Water Depth								
Akış Hızı [cm/sec] Flow Speed								
Genel Saha Parametreleri ve Duyusal Veriler (mümkün olduğu kadar) General Field Parameters and Sensory Data (as far as applicable)								
Type	Ortam Sıcaklığı/ T ambient air [°C]	Koku/ Odour	Colour/ Renk	Köpük/ Foam	Yüzer Madde/ Floating Matter			
Kullanım Incoming				<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No			
Arıtılmamış Untreated	21°C	Yok	Siyah	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No			
Deşarj Effluent	21°C	Yok	Siyah	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No			
Çamur Sludge	21°C	Yok	Siyah	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No			
Saha Kalite Kontrol Çalışması Field Testing QA/QC								
Parametre Parameter	Lab. Kontrol Numunesi Hedef Değer Lab. Control Sample Target Value		Lab. Kontrol Numunesi Ölçülen Değer Lab. Control Sample Measured Value		Doğruluk [%] Accuracy			
pH	7		7		±100			
Toplam Klor / Total Chlorine	0.5		0.5		±100			
Diğer Gözlemler/ Other Observations: İbex paslanma yoktu.								
İlave Yorumlar (ör., kullanılan kısaltmalar, alternatif olarak ölçülen debi ve okumalar, vb.) Additional Comments (e.g., abbreviations used, alternatively measured flow and readings, etc.): İbex yorum yoktu.								



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ZDHC Atıksu Numune Alımı - Firma Onayı ZDHC Wastewater Sampling - Facility Confirmation

Atıksu numuneleri firmanın normal üretim düzeni ve atıksu deşarjı kapsamında alınmıştır. Aşağıda belirtilen numune alım personeli sahada bulunarak numuneleri toplamıştır.

The Wastewater samples have been collected under the facility's normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples.

Numune Alım Personeli (Ad-Soyad & E-posta Adresi)

Sampling Person (Name & E-mail Address):

HASAN İRENCİ
hasan.ircaci@intertek.com

Firma İsmi

Facility Name:

Tekbay Tekstil

Numune Alım Personeli ZDHC Akreditasyon Numarası

Sampler's ZDHC Accreditation No.:

ZDHC-P-22-E-C-1068-R21CD-FA200

Firma Temsilcisi Ad-Soyad

Facility's Representative Name:

Rabia Kırdemir

Numune Alım Personeli İmza

Sampler's Signature:



Firma Temsilcisi İmza ve Firma Kaşesi

Facility's Representative Signature and Stamp:



İnterSoy
TİKKİŞİ ALIŞTIRMA SAN. TİC. A.Ş.
B. San. Tesisleri, Maviye Katı, Yenibosna Mahallesi, No: 23
Lütfüpaşa/İSTANBUL
Tic. Sic. No: 283014 - Mersis No: 3397 3398 5154 7290
Yenibosna V.D. - 333 005 9940
Mersis No: 3397 3398 5154 7290



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End of report

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