

**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: TURA230085993

Report Date: 24/08/2023

Factory's name :	MARITAŞ DENİM SANAYİ VE TİCARET A.Ş
Factory's address :	Aksu Mah.Kazancı Zade Sadi Bulvarı No:29/A Dulkadiroğlu / Kahramanmaraş
Type of wastewater discharge:	Direct discharge
On-site Wastewater treatment plant:	With wastewater treatment plant
Avg. total industrial wastewater:	≥ 15m <sup>3</sup> /day
Date of sampling :	15/08/2023
Date of sample arrived laboratory:	16/08/2023
Date of testing:	16/08/2023
Sample type:	
Sample / Incoming water	N/A
Sample / Untreated wastewater	[Blue, composite sample at 09:10, 10:10, 11:10, 12:10, 13:10, 14:10, 15:10] [Sampling location: Latitude 37°31'48.1"N, Longitude 36°55'46.6"E]
Sample / Effluent	[Transparent, composite sample at 09:20, 10:20, 11:20, 12:20, 13:20, 14:20, 15:20] [Sampling location: Latitude 37°33'56.5"N, Longitude 36°55'40.2"E]
Sample / Sludge	[Black, Grab sample at 09:45] [Sampling location: Latitude 37°31'31.5"N, Longitude 36°55'33.3"E]
Sampling laboratory:	Intertek Turkey
Testing laboratory:	Intertek Turkey
ZDHC sampler accreditation certification number:	ZDHC-A-22-E-C001068-R21DE-56D90

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

Wastewater / Heavy metals - Test items	Effluent		
	Foundational	Progressive	Aspirational
Antimony			Meet
Chromium (VI)			Meet
Barium	0.06 mg/L		
Selenium	ND		
Tin	ND		
Arsenic			Meet
Chromium (total)			Meet
Cobalt			Meet
Cadmium			Meet
Copper			Meet
Lead			Meet
Nickel			Meet
Silver			Meet
Zinc			Meet
Mercury			Meet



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Wastewater / Conventional parameters - Test items	Effluent		
	Foundational	Progressive	Aspirational
pH <sup>[f]</sup>	Meet		
Temperature difference <sup>[f]</sup>		Meet	
E.coli	Meet		
Colour			Meet
Persistent foam <sup>[f]</sup>	Meet		
Wastewater flowrate <sup>[f]</sup>	800 m3/day		
Ammonium-Nitrogen			Meet
AOX			Meet
Biochemical Oxygen Demand (BOD <sub>5</sub> )			Meet
Chemical Oxygen Demand (COD)			Meet
Dissolved Oxygen (DO) <sup>[f]</sup>	2.9 mg/L		
Oil & Grease			Meet
Total Phenols / Phenol Index			Meet
Total Chlorine <sup>[f]</sup>	ND		
Total Dissolved Solids (TDS)	2286 mg/L		
Total Nitrogen			Meet
Total Phosphorus	Meet		
Total Suspended Solids (TSS)			Meet

Wastewater / Anions - Test items	Effluent		
	Foundational	Progressive	Aspirational
Chloride	642 mg/l		
Cyanide, total			Meet
Sulfate	1020 mg/L		
Sulfide			Meet
Sulfite		Meet	

Sludge – Disposal Pathways
C

Sludge / parameters - Test items	Sludge (Total)	Sludge (Leachate)
Antimony	Meet	
Arsenic	Meet	
Barium	Meet	
Cadmium	Meet	
Cobalt	Meet	
Copper	Meet	
Lead	Meet	
Nickel	Meet	
Selenium	Meet	
Silver	Meet	
Chromium (total)	Meet	
Zinc	Meet	
Chromium VI	Meet	
Mercury	Meet	

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Sludge / Anion - Test items	Sludge
Cyanide	ND

Sludge / Conventional parameters - Test items	Sludge
pH	6.19
% Solids	37
Paint filter test	Pass
Faecal coliform	ND

Sludge / MRSL - Test items	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	ND
Polycyclic Aromatic Hydrocarbons (PAHs)	ND
Chlorotoluenes	ND

Note :	
ND = Not detected (less than reporting limit)	
D = Detected	
N/A = Not applicable	- = Did not perform
# = No comment	* = See Remark
<sup>(S)</sup> = The samples were subcontracted to Intertek [Turkey] for testing.	
<sup>(T)</sup> = If sample temperature is greater than 8°C and less than 10°C when received from the laboratory.	
<sup>(TT)</sup> = If sample temperature is exceeded 10°C when received from the laboratory.	
@ = Maximum holding time exceeded.	
(*) = Report for mock leather only.	
(^) = Borate, zinc salt would report ND when total boron or total zinc less than 100 µg/L.	
<sup>[f]</sup> = On-site test by sampler.	
<sup>[a]</sup> = 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:



Zeynep Akın  
 Chemical Laboratory Manager  
 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): With reference to In House Testing Method, "IHTM AL.2.421" (modified from ISO 18857-1, ISO 18857-2, ASTM D7065) ZDHC Wastewater Guidelines dichloromethane extraction GC-MS analysis.

APs&APEOs (n>2): With reference to In House Testing Method "IHTM AL.2.421" (modified from ISO 18254-1) LC-MS-MS analysis.

Chemical substances	CAS no.	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	ND	µg/L
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	5	ND	µg/L
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	5	ND	µg/L
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	5	ND	µg/L

Remark: ND = Not detected (less than reporting limit)

2. Anti- Microbials & Biocides

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, EPA 8270E) ZDHC Wastewater Guidelines Solvent extraction, followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)



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3. Chlorinated Parafins

With reference to In House Testing Method "IHTM AL.2.421" (modified from EPA 3510C, ISO 12010) ZDHC Wastewater Guidelines Solvent extraction, followed by GC-ECNI-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

4. Chlorobenzenes and Chlorotoluenes

With reference to In House Testing Method "IHTM AL.2.421" (modified from EPA 3510C, EPA 8260D, EPA 8270E) ZDHC Wastewater Guidelines Dichloromethane extraction followed by GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
1,2-Dichlorobenzene	95-50-1	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	ND	µg/L

Remark: ND = Not detected (less than reporting limit)

5. Chlorophenols

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, EPA 8270E) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

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

Remark: ND = Not detected (less than reporting limit)

6. Dimethyl Formamide (DMFa)

With reference to In House Testing Method "IHTM AL.2.475" (modified from DIN 54439) followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)  
 (\*) = Sample and report for mock leather.

7. Dyes – Carcinogenic or Equivalent Concern

With reference to In House Testing Method "IHTM AL.2.421" (modified from DIN 54231) ZDHC Wastewater Guidelines followed by LC-MS analysis.

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



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C.I. Disperse Blue 1	2475-45-8	500	ND	µg/L
C.I. Disperse Blue 3	2475-46-9	500	ND	µg/L
Disperse Orange 11	82-28-0	500	ND	µg/L

Remark: ND = Not detected (less than reporting limit)

8. Dyes – Disperse (Allergenic)

With reference to In House Testing Method “IHTM AL.2.421” (modified from DIN 54231) ZDHC Wastewater Guidelines followed by LC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)





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9. Dyes – Navy Blue Colourant

With reference to In House Testing Method "IHTM AL.2.421" (modified from DIN 54231) ZDHC Wastewater Guidelines followed by LC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	ND	µg/L
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	ND	µg/L

Remark: ND = Not detected (less than reporting limit)

10. Flame retardants

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, EPA 527, ISO 22032) ZDHC Wastewater Guidelines followed by GC-MS and ICP-MS analysis.

With reference to In House Testing Method "IHTM AL.2.421. Rev.5" (Modified from EPA 3510C, EPA 8321B) ZDHC Wastewater Guidelines followed by GC-ECNI-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	ND	µg/L
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	25	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	ND	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	25	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	ND	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	25	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	25	ND	µg/L
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	ND	µg/L
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	25	ND	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	ND	µg/L
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	ND	µg/L
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	ND	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	25	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	25	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	25	ND	µg/L
Dibromopropylether	21850-44-2	25	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	ND	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	25	ND	µg/L



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Monobromodiphenylethers (MonoBDEs)	Multiple	25	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	25	ND	µg/L
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	25	ND	µg/L
Boric acid **	10043-35-3 11113-50-1	100 in Boron	ND	µg/L
Diboron trioxide **	1303-86-2	100 in Boron	ND	µg/L
Disodium octaborate **	12008-41-2	100 in Boron	ND	µg/L
Disodium tetraborate anhydrous **	1303-96-4 1330-43-4	100 in Boron	ND	µg/L
Tetraboron disodium heptaoxide, hydrate **	12267-73-1	100 in Boron	ND	µg/L

Remark: ND = Not detected (less than reporting limit)

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

11. Glycols / Glycol Ethers

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

12. Halogenated solvents

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 8260D, EPA 5021A) ZDHC Wastewater Guidelines followed by Headspace GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)



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13. Organotin compounds

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, ISO 17353) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

14. Other/Miscellaneous Chemicals

Others: With reference to In House Testing Method "IHTM AL.2.421" ZDHC Wastewater Guidelines followed by LC-MS-MS analysis.

Quinoline: With reference to In House Testing Method "IHTM AL.2.421" (Modified from DIN 54231) ZDHC Wastewater Guidelines followed by LC-MS-MS analysis.

Borate salt: determined as total boron and total zinc with reference to In House Testing Method "IHTM AL.2.439" (Modified from EPA 3015A ve EPA 6020B) ZDHC Wastewater Guidelines followed by ICP-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

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



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15. Perfluorinated & polyfluorinated chemicals (PFCs)

PFCs: With reference to In House Testing Method "IHTM AL.2.421" (modified from DIN 38407-42, CEN/TS 15968) ZDHC Wastewater Guidelines followed by LC-MS-MS analysis.

FTOH: With reference to In House Testing Method "IHTM AL.2.421" (modified from EPA 3510C, CEN/TS 15968, Journal of Chromatography A, 1178 (2008) 199-205) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

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

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, EPA 8270E, ISO 18856, ISO 14389) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)



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17. Polycyclic aromatic hydrocarbons (PAHs)

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, EPA 8270E, DIN 38407-39) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

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

With reference to In House Testing Method "IHTM AL.2.421" (Modified from EPA 3510C, ISO 14362-1) ZDHC Wastewater Guidelines followed by GC-MS analysis.

Chemical substances	CAS no.	Reporting limit (µg/L)	Untreated wastewater	Unit
2-Naphthylamine	91-59-8	0.1	ND	µg/L
2-Naphthylammoniumacetate	553-00-4	0.1	ND	µg/L
2,4-Xylidine	95-68-1	0.1	ND	µg/L
2,4,5-Trimethylaniline	137-17-7	0.1	ND	µg/L
2,4,5-Trimethylaniline hydrochloride	21436-97-5	0.1	ND	µg/L
2,6-Xylidine	87-62-7	0.1	ND	µg/L
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	µg/L
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	µg/L
3,3'-Dimethylbenzidine	119-93-7	0.1	ND	µg/L
4-Aminoazobenzene	60-09-3	0.1	ND	µg/L
4-Aminodiphenyl	92-67-1	0.1	ND	µg/L



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

Remark: ND = Not detected (less than reporting limit)

19. UV Absorbers

With reference to In House Testing Method "IHTM AL.2.421" ZDHC Wastewater Guidelines followed by GC-MS analysis.

Chemical substances	CAS no.	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	ND	µg/L
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	ND	µg/L
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	100	ND	µg/L
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	ND	µg/L

Remark: ND = Not detected (less than reporting limit)



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**TEST REPORT (TEXTILES)**

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20. Volatile organic compounds (VOCs)

With reference to In House Testing Method "IHTM AL.2.421" (modified from EPA 8260D ve EPA 5021A) ZDHC Wastewater Guidelines followed by Headspace GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)  
(\*) = Sample and report for mock leather.

21. Heavy metals

Others; With reference to In House Testing Method "IHTM AL.2.439" (Modified from EPA 3015A ve EPA 6020B) followed by ICP-MS analysis.

Chromium (VI); With reference to ISO 18412 followed by spectrophotometric analysis.

Chemical substances	Limit			Reporting limit (mg/L)	Effluent	Unit
	Foundational	Progressive	Aspirational			
Antimony	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.01	ND	mg/L
Chromium (VI)	0.05 mg/L	0.005 mg/L	0.001 mg/L	0.001	ND	mg/L
Barium	Sample and report only			0.01	0.06	mg/L
Selenium	Sample and report only			0.01	ND	mg/L
Tin	Sample and report only			0.01	ND	mg/L
Arsenic	0.05 mg/L	0.01 mg/L	0.005 mg/L	0.005	ND	mg/L
Chromium (total)	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.05	ND	mg/L
Cobalt	0.05 mg/L	0.02 mg/L	0.01 mg/L	0.01	ND	mg/L
Cadmium	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.01	ND	mg/L
Copper	1 mg/L	0.5 mg/L	0.25 mg/L	0.25	ND	mg/L
Lead	0.1 mg/L	0.05 mg/L	0.01 mg/L	0.01	ND	mg/L
Nickel	0.2 mg/L	0.1 mg/L	0.05 mg/L	0.05	ND	mg/L
Silver	0.1 mg/L	0.05 mg/L	0.005 mg/L	0.005	ND	mg/L
Zinc	5.0 mg/L	1.0 mg/L	0.5 mg/L	0.5	ND	mg/L
Mercury	0.01 mg/L	0.005 mg/L	0.001 mg/L	0.001	ND	mg/L

Remark: ND = Not detected (less than reporting limit)



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

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22. Conventional parameters

Parameters	Test method	Limit			Reporting limit	Effluent	Unit
		Foundational	Progressive	Aspirational			
pH	SM 4500-H+	6-9			N/A	7.82	[f]
Temperature difference	SM 2550 B	△+15	△+10	△+5	N/A	7.4	[f] °C
E.coli	ISO 9308-1	126			1.8	ND	MPN/100-ml
Colour (436 nm ; 525 nm ; 620nm)	ISO 7887-B	7;5;3	5;3;2	2;1;1	N/A	0.2;0;0	[m-1]
Persistent Foam	/	No indication of Persistent foam in receiving water			N/A	Absent	[f]
Wastewater Flowrate	/	N/A			N/A	800	[f] m <sup>3</sup> /day
Ammonium-Nitrogen	SM 4500 NH3 F	10	1	0.5	0.5	ND	mg/L
AOX	ISO 9562	3	0.5	0.1	0.1	ND	mg/L
Biochemical Oxygen Demand (BOD <sub>5</sub> )	SM 5210-B	30	15	8	8	ND	mg/L
Chemical Oxygen Demand (COD)	SM 5220-D	150	80	40	40	ND	mg/L
Dissolved Oxygen (DO)	SM 4500-O-G	Sample and report only			N/A	2.9	[f] mg/L
Oil and grease	USEPA 1664	10	2	0.5	0.5	ND	mg/L
Total Phenols / Phenol Index	SM 5530-B&C	0.5	0.01	0.001	0.001	ND	mg/L
Total Chlorine	ISO 7393-2	Sample and report only			0.2	ND	[f] mg/L
Total Dissolved Solids (TDS)	SM 2540-C	Sample and report only			10	2286	mg/L
Total-Nitrogen	IS 3025 (Sum of SM4500-Norg B, SM4500-NO2-B, SM4500-NO3- E)	20	10	5	5	ND	mg/L
Total-Phosphorus	EPA 3015 A & ISO 11885	3	0.5	0.1	0.1	0.8	mg/L





**SOFTLINES WASTEWATER TESTING**  
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Total Suspended Solids (TSS)	SM 2540D	50	15	5	5	ND	mg/L
Chloride	SM 4500-Cl C	Sample and report only			10	642	mg/L
Cyanide, total	SM 4500-CN-C&E	0.2	0.1	0.05	0.05	ND	mg/L
Sulfate	SM 4500 SO4 E	Sample and report only			10	1020	mg/L
Sulfide	SM 4500-S2-D	0.5	0.05	0.01	0.01	ND	mg/L
Sulfite	SM 4500 SO32 C	2	0.5	0.2	0.2	0.5	mg/L

Remark:

ND = Not detected (less than reporting limit)

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

@ = Maximum holding time exceeded.

<sup>[f]</sup> = On-site test by sampler.

**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: TURA230085993

**Sample / Sludge**

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

1. Heavy metals

Others: With reference to In House Testing Method "IHTM AL.2.428" (Modified from EPA 3051A, ISO 17294-2 ve EPA 6020B) ZDHC Wastewater Guidelines followed by ICP-MS analysis.

Chromium VI: With reference to In House Testing Method "IHTM AL.2.428" (Modified from ISO 18412, TS EN ISO 18412) ZDHC Wastewater Guidelines followed by Colourimetric UV/VIS analysis.

Chemical substances	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Antimony	5	ND	mg/kg
Arsenic	5	ND	mg/kg
Barium	200	ND	mg/kg
Cadmium	1	ND	mg/kg
Cobalt	400	ND	mg/kg
Copper	50	ND	mg/kg
Lead	5	ND	mg/kg
Nickel	20	22	mg/kg
Selenium	5	ND	mg/kg
Silver	50	ND	mg/kg
Total Chromium	50	ND	mg/kg
Zinc	400	ND	mg/kg
Chromium (VI)	20	ND	mg/kg
Mercury	1	ND	mg/kg

Remark: ND = Not detected (less than reporting limit)

@ = Maximum holding time exceeded.

2. Anions

With reference to USEPA 9013 A, USEPA 9014.

Chemical substances	Reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Cyanide	20	ND	mg/kg

Remark: ND = Not detected (less than reporting limit)

@ = Maximum holding time exceeded.



## SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

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### 3. Conventional parameters

Chemical substances	Test method	Reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	USEPA SW 9045D	N/A	6.19	N/A
% Solids	USEPA 160.3	N/A	37	%
Paint Filter Test ^	USEPA 9095B	N/A	Pass	N/A
Fecal Coliform	TS EN ISO 7899-2	10 MPN/g	ND	MPN/g

Remark: ND = Not detected (less than reporting limit)

@ = Maximum holding time exceeded.

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

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

APs/APEOs (n=1,2): With reference to In House Testing Method, "IHTM AL.2.428" (modified from EPA 3540C, ISO 18857-2) ZDHC Wastewater Guidelines dichloromethane extraction GC-MS analysis.

APs/APEOs (n>2): With reference to In House Testing Method "IHTM AL.2.428" (modified from EPA 3550C, ISO 18254-1) LC-MS-MS analysis.

Chemical substances	CAS no.	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	ND	mg/kg
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	0.4	ND	mg/kg
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	0.4	ND	mg/kg
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	0.4	ND	mg/kg

Remark: ND = Not detected (less than reporting limit)



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

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5. Polycyclic aromatic hydrocarbons (PAHs)

With reference to In House Testing Method "IHTM AL.2.428" (modified from EPA 3540C, EPA 8270E, DIN 38407-39) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)

6. Chlorotoluenes

With reference to In House Testing Method "IHTM AL.2.428" (modified from EPA 3510C, EPA 8260D, EPA 8270E) ZDHC Wastewater Guidelines followed by GC-MS analysis.

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

Remark: ND = Not detected (less than reporting limit)



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

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7. Leachate heavy metals

Others: With reference to ISO 17294-2 with ICP-MS analyses.

Chromium VI: With reference to Toxicity leachate extraction procedure ISO 18412 with Colourimetric UV/VIS analyses.

Mercury: With reference to EPA 6020b with ICP-MS analysis.

Cyanide: Toxicity Leachate Extraction Procedure followed by USEPA 9013 and Analysis: EPA 9014

Chemical substances	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

Remark: ND = Not detected (less than reporting limit)

Testing period: From 16/08/2023 to 24/08/2023



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: TURA230085993

Appendix 1: reference to ZDHC WWSG v2 Table 4B

Parameters		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)
Total metals and anions threshold values (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	
Copper	200		25	17.5	10	10	10	4300
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	7500
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



**SOFTLINES WASTEWATER TESTING**  
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Number: TURA230085993

Appendix 2: reference to ZDHC WWSG v2 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	Sample and report only	
Fecal Coliform				< 1000 (MPN/g)				
Paint Filter Test				Pass Paint filter test				Sample and report only
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers				< 0.4 mg/kg				
Polycyclic Aromatic Hydrocarbons (PAHs)				< 0.2 mg/kg				
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: TURA230085993

Photo of sampling points:

<p>Incoming water</p> <p style="text-align: center;">X</p>	<p>Untreated wastewater</p> 
<p>Effluent</p> 	<p>Sludge</p> 

\*\*\*\*\*








## SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number: TURA230085993

Photo of samples:

Incoming water	Untreated wastewater
X	
Effluent	Sludge
	



SOFTLINES WASTEWATER TESTING  
TEST REPORT (TEXTILES)

Number: TURA230085993

Attachment – sampling protocol for wastewater & sludge:

ZDHC İzleme / Monitoring

Form LG.469/30.05.2023/Rev.1

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

Firma Adı Facility Name:	Marifaş Denim					
Adres ve İlgili Address and Contact:	Aksu mahallesi, Kazancı Zade Sadi Bulvarı No= 29/A Dulkadiroğlu/Bahrammaraş					
Firma Türü Facility Type:	<input checked="" type="checkbox"/> Boya & Apre Dyeing & Finishing	<input checked="" type="checkbox"/> Kumaş Fabrikası Fabric Mill	<input checked="" type="checkbox"/> Yıkama & Apre Washing & Finishing	<input type="checkbox"/> Doğal Deri İşleme Natural Leather proc.	<input type="checkbox"/> Baskı Printing	<input type="checkbox"/> Yapay Deri İşleme Synthetic Leather proc.
Numune Alım Tarihi Date of sampling:	15.08.2023					
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		Aksu Deresi	
	<input type="checkbox"/> Sıfır Sıvı Deşarjı / Zero Liquid Discharge (ZLD)		<input checked="" type="checkbox"/> Arıtma Tesisi Var / With Own ETP			
	<input type="checkbox"/> Sentetik Selülozik Elyaf / MMCF					
Deşarj Tanımı Discharge Description:	İplik Boyama Terbiye					
Hava Durumu Weather Conditions:	Numune Alım Gününde / On Sampling Day: Güneşli			Önceki Gün / On Day Before: Güneşli		

Numune Türü ve Detayları (ayrıca 2. Sayfaya bakın) / Sample Type and Details (also see page 2)

<input checked="" type="checkbox"/> Atıksu Deşarjı / Effluent Discharge	<input checked="" type="checkbox"/> Direkt / Direct:	Veya / or <input type="checkbox"/> Dolaylı / Indirect	<input type="checkbox"/> Homojenizasyon / Dengeleme Tankı Mevcut with Homogenisation / Equalisation Tank (HT) 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.	Hidrolik Bekleme Süresi / Hydraulic Retention Time (HRT): 7 saat h (= Tank Hacmi Volume of tank [m³] / Debi Flow Rate [m³/h]) HRT >12 saat ise, arıtma öncesi ve sonrası anlık numune alımı yapılır. If HRT >12h, grab sampling for both untreated and treated wastewater from a point after the HT could be applied.
<input type="checkbox"/> Ön arıtılmış Atıksu, Çamursuz / Pre-treated WW without sludge	<input checked="" type="checkbox"/> Arıtılmamış Atıksu / Untreated Wastewater	<input type="checkbox"/> Proses-Kullanım Suyu / Incoming Water	<input type="checkbox"/> Sentetik Selülozik Elyaf / MMCF
<input checked="" type="checkbox"/> Çamur seçilen bertaraf yoluyla* Sludge with below disposal pathway:		Çamur Yaşı / Age of Sludge: 19 gün/ hafta (days/ weeks)	
<input type="checkbox"/> A	<input type="checkbox"/> B	<input checked="" type="checkbox"/> C	<input type="checkbox"/> D
>1000 °C Harici Yakma Tesisi >1000 °C Offsite Incineration	Kontrollü Düzenli Depolama Sahası Landfill with Significant Control	Kontrollü Düzenli Depolama Sahası 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 Islahı Land Application

\*Eğer bertaraf yolu bilgisi sağlanmazsa, bertaraf yolu 'F' olarak kabul edilir. If supplier cannot provide information, pathway "F" shall be assumed.

Üretilen Çamur Hacmi: Sludge Volume Produced	0,016	<input checked="" type="checkbox"/> m³/saat (m³/h) <input type="checkbox"/> L/saniye (L/sn)	<input type="checkbox"/> Diğer Birim (Belirtiniz) Other Unit (Specify):	<input type="checkbox"/> Firmadan Alınan Bilgi Per Facility Info	<input checked="" type="checkbox"/> Ölçülen Measured	<input type="checkbox"/> Tahmini Estimated			
<input type="checkbox"/> Proses Kimyasalları Process Chemical	<input checked="" type="checkbox"/> Sıvı Liquid	<input type="checkbox"/> Katı (Toz / Granül / Parçacıklı) Solid (Powder / Granulate / Pieces)	<input type="checkbox"/> İşlemden 'In Process'	<input type="checkbox"/> Depo / Stoktan From Warehouse / Storage					
Numune Alım Zamanları Times of Sampling	Antılmamış Atıksu Untreated	1	2	3	4	5	6	7	Veya Anlık or Grab:
	Dolaylı Deşarj Effluent Indirect:	1	2	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: 16:00
Fotoğraf No. (veya Tarih & Saat / Aralık) Picture ID (or Date & Time / Interval):	Numune Alım Noktalarının GPS Koordinatları GPS Coordinates of Sampling Points:								
	Kullanım Suyu / Incoming W.:	Lat.: ON OS			Long.: OE OW				
	Arıtılmamış Atıksu / Untreated WW:	Lat.: ON OS 37°34'8.168"			Long.: OE OW 38°55'4.6610"				
	Deşarj / Effluent:	Lat.: ON OS 38°38'5.678"			Long.: OE OW 36°55'4.02910"				
	Çamur / Sludge:	Lat.: ON OS 37°31'4.315"			Long.: OE OW 38°55'3.33410"				

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Effective Date: 30-May-2023

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SOFTLINES WASTEWATER TESTING  
TEST REPORT (TEXTILES)

Number: TURA230085993

Form LG.469/30.05.2023/Rev.1

ZDHC İzleme / Monitoring

Numune Detayları Sample Details		Saha ölçüm parametreleri sadece <b>direkt deşarj</b> için gereklidir. Ancak dolaylı deşarj için talep varsa bu alan kullanılmalıdır. Field parameters usually are required <b>only for direct discharge</b> . 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): 2000 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:	9.20	10.20	11.20	12.20	13.20	14.20	15.20	7.82
Sıcaklık Temp. of Receiving Water	27.1 °C	26.4 °C	27.6 °C	31.3 °C	32.4 °C	31.5 °C	29.2 °C	32.1 °C
Atıksu Deşarj WW Discharge Alıcı Ortam Receiving Water	29.7 °C	29.7 °C	29.7 °C	29.7 °C	29.7 °C	29.7 °C	29.7 °C	29.7 °C
Debi Flow Rate:	33 m³/sa.(h)	33 m³/sa.(h)	33 m³/sa.(h)	33 m³/sa.(h)	33 m³/sa.(h)	33 m³/sa.(h)	m³/sa.(h)	800 m³/gün(d)
Çözünmüş Oksijen Dissolved Oxygen:	5.5 mg/L	7.1 mg/L	6.7 mg/L	5.6 mg/L	4.1 mg/L	3.5 mg/L	3.2 mg/L	2.9 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 checked="" type="checkbox"/> Debi Metre (Firmanın) 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 type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input type="radio"/> Yok / No			
Artılmamış Untreated	43 °C	Yok	maui	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No	<input type="radio"/> Var / Yes <input checked="" type="radio"/> Yok / No			
Deşarj Effluent	43 °C	Yok	şeffaf	<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 Lab. Control Sample	Hedef Değer Target Value	Lab. Kontrol Numunesi Lab. Control Sample	Ölçülen Değer Measured Value	Doğruluk [%] Accuracy			
pH		7		7	99.100			
Toplam Klor / Total Chlorine								
Diğer Gözlemler/ Other Observations: 24 saatlik atıksu debisi 800 m³'dür. Dalgelene havuz 2 hgemli 300 m³ olarak boyon edilmiştir								
İlave Yorumlar (ör., kullanılan kısaltmalar, alternatif olarak ölçülen debi ve okumalar, vb.) Additional Comments (e.g., abbreviations used, alternatively measured flow and readings, etc.): ilave yorum yoktur.								





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ZDHC İzleme / Monitoring

**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-mail Adresi)

Sampling Person (Name & E-mail Address):

Mehmet Eber.  
detox.turkey@intertek.com

Firma İsmi

Facility Name:

maritaş Denim

Numune Alım Personeli ZDHC Akreditasyon Numarası

Sampler's ZDHC Accreditation No.:

ZDHC-A-22-E-001068-22 D9-8190B

Firma Temsilcisi Ad-Soyad

Facility's Representative Name:

Nurullah KOSKA  
nkoska@maritadenim.com

Numune Alım Personeli İmza

Sampler's Signature:

Firma Temsilcisi İmza ve Firma Kasesi

Facility's Representative Signature and Stamp:

MARİTAŞ DENİM  
Maritaş Denim Sanayi Ve Ticaret A.Ş.  
AKSU YOLU 34197 İSTANBUL / TÜRKİYE  
Tic. Sic. No. 12481 / 2018 / 162549400010  
Abou Mah. Kazancılar Sadi O. / 90 344 237 94 25 / 90 344 237 80 00 / 90 344 237 60 43  
info@maritadenim.com www.maritadenim.com



**SOFTLINES WASTEWATER TESTING**  
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End of report

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