

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

Number: TURA240110965

Report Date: 30/09/2024

Factory's name :	DNM TEXTILE FOR SPINNING, WEAVING AND DYEING
Factory's address :	PUBLIC FREE ZONE DAMIETTA/EGYPT
Type of wastewater discharge:	Zero liquid discharge
On-site Wastewater treatment plant:	With pretreatment
Avg. total industrial wastewater:	≥ 15m <sup>3</sup> /day
Date and time of the beginning of sampling:	18/09/2024
Date and time of the end of sampling:	18/09/2024
Date received sample	23/09/2024
Testing period:	From 23/09/2024 to 30/09/2024
Arrival temperature at laboratory:	21.4 °C
Sample type:	Composite
Sample / Incoming water	N/A
Sample / Untreated wastewater	[Dark navy, composite sample at 11:00, 12:00, 13:00, 14:00, 15:00, 16:00, 17:00] [Sampling location: Latitude 31.457098, Longitude 31.188578]
Sample / Effluent	N/A
Sample / Sludge	[Grey, grab sample at 16:00] [Sampling location: Latitude 31.45701, Longitude 31.78849]
Sampling laboratory:	Intertek Egypt
Testing laboratory:	Intertek Turkey
ZDHC sampler accreditation certification number:	C74D106817902
Local legal standard name <sup>[a]</sup> :	-
Local legal standard no. <sup>[a]</sup> :	-
Parameters (ZDHC WWSG V2.1, Table 2-3) exceeded local regulation:	N/A
Discharge permit provided:	Yes

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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	Testing period	Untreated Wastewater
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	From 23/09/2024 to 30/09/2024	ND
Anti-Microbials & Biocides	From 23/09/2024 to 30/09/2024	ND
Chlorinated Parafins	From 23/09/2024 to 30/09/2024	ND
Chlorobenzenes and Chlorotoluenes	From 23/09/2024 to 30/09/2024	ND
Chlorophenols	From 23/09/2024 to 30/09/2024	ND
Dimethyl Formamide (DMFa) (*)	From 23/09/2024 to 30/09/2024	ND
Dyes – Carcinogenic or Equivalent Concern	From 23/09/2024 to 30/09/2024	ND
Dyes – Disperse (Allergenic)	From 23/09/2024 to 30/09/2024	ND
Dyes – Navy Blue Colourant	From 23/09/2024 to 30/09/2024	ND
Flame Retardants	From 23/09/2024 to 30/09/2024	ND
Glycols / Glycol Ethers	From 23/09/2024 to 30/09/2024	ND
Halogenated solvents	From 23/09/2024 to 30/09/2024	ND
Organotin compounds	From 23/09/2024 to 30/09/2024	ND
Other/Miscellaneous Chemicals (^)	From 23/09/2024 to 30/09/2024	ND
Perfluorinated & Polyfluorinated chemicals (PFCs)	From 23/09/2024 to 30/09/2024	ND
Phthalates (Ortho-phthalates)	From 23/09/2024 to 30/09/2024	ND
Polycyclic aromatic hydrocarbons (PAHs)	From 23/09/2024 to 30/09/2024	ND
Restricted Aromatic Amines (Cleavable from Azo- colourants)	From 23/09/2024 to 30/09/2024	ND
UV Absorbers	From 23/09/2024 to 30/09/2024	ND
Volatile Organic Compounds (VOC)	From 23/09/2024 to 30/09/2024	ND



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Wastewater / Heavy metals - Test items	Testing period	Untreated Wastewater		
		Foundational	Progressive	Aspirational
Antimony	N/A			N/A
Chromium (VI)	From 23/09/2024 to 30/09/2024			Meet
Barium	N/A			N/A
Selenium	N/A			N/A
Tin	N/A			N/A
Arsenic	From 23/09/2024 to 30/09/2024			Meet
Chromium (total)	N/A			N/A
Cobalt	N/A			N/A
Cadmium	From 23/09/2024 to 30/09/2024			Meet
Copper	N/A			N/A
Lead	From 23/09/2024 to 30/09/2024			Meet
Nickel	N/A			N/A
Silver	N/A			N/A
Zinc	N/A			N/A
Mercury	From 23/09/2024 to 30/09/2024			Meet



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

Wastewater / Anions - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
Chloride	N/A	N/A		
Cyanide, total	N/A			N/A
Sulfate	N/A	N/A		
Sulfide	N/A			
Sulfite	N/A			



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Sludge – Disposal Pathways
B

Sludge / Heavy metals - Test items	Testing period	Sludge (Total)	Sludge (Leachate)
Antimony	From 23/09/2024 to 30/09/2024	Meet	
Arsenic	From 23/09/2024 to 30/09/2024	Meet	
Barium	From 23/09/2024 to 30/09/2024	Meet	
Cadmium	From 23/09/2024 to 30/09/2024	Meet	
Cobalt	From 23/09/2024 to 30/09/2024	Meet	
Copper	From 23/09/2024 to 30/09/2024	Meet	
Lead	From 23/09/2024 to 30/09/2024	Meet	
Nickel	From 23/09/2024 to 30/09/2024	Meet	
Selenium	From 23/09/2024 to 30/09/2024	Meet	
Silver	From 23/09/2024 to 30/09/2024	Meet	
Chromium (total)	From 23/09/2024 to 30/09/2024	Meet	
Zinc	From 23/09/2024 to 30/09/2024	Meet	
Chromium VI	From 23/09/2024 to 30/09/2024	Meet	
Mercury	From 23/09/2024 to 30/09/2024	Meet	

Sludge / Anion - Test items	Testing period	Sludge
Cyanide	From 23/09/2024 to 23/09/2024	Meet

Sludge / Conventional parameters - Test items	Testing period	Sludge
pH	From 23/09/2024 to 23/09/2024	Meet
% Solids	From 23/09/2024 to 23/09/2024	71.8
Paint filter test	From 23/09/2024 to 23/09/2024	Meet
Faecal coliform	From 23/09/2024 to 25/09/2024	@Meet



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Sludge / MRSL - Test items	Testing period	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	From 23/09/2024 to 30/09/2024	ND
Polycyclic Aromatic Hydrocarbons (PAHs)	From 23/09/2024 to 30/09/2024	ND
Chlorotoluenes	From 23/09/2024 to 30/09/2024	ND

Remark:
ND = Not detected (less than ZDHC reporting limit for MRSL parameters) / Not detected (less than lab reporting limit for other parameters)
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)
<sup>(S)</sup> = The samples were subcontracted to Intertek [Intertek Turkey Food Laboratory] 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.
(* ) = Sample and report for mock leather.
(^ ) = 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 :



Emre ÇALIK  
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): 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)	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

2. Anti- Microbials & Biocides

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

Chemical substances	CAS no.	ZDHC 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



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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)	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

4. Chlorobenzenes and Chlorotoluenes

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

Chemical substances	CAS no.	ZDHC 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

5. Chlorophenols

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

Chemical substances	CAS no.	ZDHC 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
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





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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

6. Dimethyl Formamide (DMFa)

Modified from DIN 54439 (GC-MS analysis)

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



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8. Dyes – Disperse (Allergenic)

Modified from DIN 54231 (LC-MS analysis)

Chemical substances	CAS no.	ZDHC 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

9. Dyes – Navy Blue Colourant

Modified from DIN 54231 (LC-MS analysis)

Chemical substances	CAS no.	ZDHC 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



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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)	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
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

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



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### 11. Glycols / Glycol Ethers

Modified from EPA 3510C (GC-MS analysis)

Chemical substances	CAS no.	ZDHC 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

### 12. Halogenated solvents

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

Chemical substances	CAS no.	ZDHC 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

### 13. Organotin compounds

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

Chemical substances	CAS no.	ZDHC 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
Tetrabutyltin 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

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Tetraethyltin Compounds (TeET)	Multiple	0.01	ND	µg/L
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14. Other/Miscellaneous Chemicals

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

AEEA: 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)	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

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

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)	Untreated wastewater	Unit
Perfluorooctane sulfonate (PFOS) and related substances, Perfluorooctanoic acid (PFOA)	Multiple	0.01	ND	µg/L
Perfluorooctanoic acid (PFOA) related Substances	Multiple	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)	Untreated wastewater	Unit
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	10	ND	µg/L



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1,2-benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNU)	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

### 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)	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



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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)	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
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-diaminoanisole 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



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19. UV Absorbers

Liquid-Liquid extraction (GC-MS analysis)

Chemical substances	CAS no.	ZDHC 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

20. Volatile organic compounds (VOCs)

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

Chemical substances	CAS no.	ZDHC 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

(\*) = 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	Untreated wastewater	Unit
	Foundational	Progressive	Aspirational				
Antimony	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.01	N/A	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	N/A	mg/L
Selenium	Sample and report only			N/A	0.01	N/A	mg/L
Tin	Sample and report only			N/A	0.01	N/A	mg/L
Arsenic	0.05 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.005	ND	mg/L





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Chromium (total)	0.2 mg/L	0.1 mg/L	0.05 mg/L	N/A	0.05	N/A	mg/L
Cobalt	0.05 mg/L	0.02 mg/L	0.01 mg/L	N/A	0.01	N/A	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	N/A	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	N/A	mg/L
Silver	0.1 mg/L	0.05 mg/L	0.005 mg/L	N/A	0.005	N/A	mg/L
Zinc	5.0 mg/L	1.0 mg/L	0.5 mg/L	N/A	0.5	N/A	mg/L
Mercury	0.01 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.001	ND	mg/L

### 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	N/A	<sup>[f]</sup>
Temperature difference	SM 2550 B	△+15	△+10	△+5	N/A	N/A	N/A	<sup>[f]</sup> °C
E.coli <sup>(5)</sup>	ISO 9308-1	126			N/A	126	N/A	MPN/100ml
Colour (436 nm ; 525 nm ; 620nm)	ISO 7887-B	7;5;3	5;3;2	2;1;1	N/A	N/A	N/A	[m-1]
Persistent Foam	/	No indication of Persistent foam in receiving water			N/A	N/A	Absent	<sup>[f]</sup>
Wastewater Flowrate	/	N/A			N/A	N/A	N/A	<sup>[f]</sup> m <sup>3</sup> /day
Ammonium-Nitrogen	SM 4500 NH3 F	10	1	0.5	N/A	0.5	N/A	mg/L
AOX	ISO 9562	3	0.5	0.1	N/A	0.1	N/A	mg/L
Biochemical Oxygen Demand (BOD <sub>5</sub> )	SM 5210-B	30	15	8	N/A	8	N/A	mg/L
Chemical Oxygen Demand (COD)	SM 5220-D	150	80	40	N/A	40	N/A	mg/L
Dissolved Oxygen (DO)	SM 4500-O-G	Sample and report only			N/A	N/A	N/A	<sup>[f]</sup> mg/L
Oil and grease	USEPA 1664	10	2	0.5	N/A	0.5	N/A	mg/L
Total Phenols / Phenol Index	SM 5530-B&C	0.5	0.01	0.001	N/A	0.001	N/A	mg/L
Total Chlorine	ISO 7393-2	Sample and report only			N/A	0.2	N/A	<sup>[f]</sup> mg/L

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

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Total Dissolved Solids (TDS)	SM 2540-C	Sample and report only			N/A	10	N/A	mg/L
Total-Nitrogen	IS 3025 (Sum of SM4500-Norg B, SM4500-NO2-B, SM4500-NO3- E)	20	10	5	N/A	5	N/A	mg/L
Total-Phosphorus	EPA 3015 A & ISO 11885	3	0.5	0.1	N/A	0.1	N/A	mg/L
Total Suspended Solids (TSS)	SM 2540D	50	15	5	N/A	5	N/A	mg/L
Chloride	SM 4500-Cl C	Sample and report only			N/A	10	N/A	mg/L
Cyanide, total	SM 4500-CN-C&E	0.2	0.1	0.05	N/A	0.05	N/A	mg/L
Sulfate	SM 4500 SO4 E	Sample and report only			N/A	10	N/A	mg/L
Sulfide	SM 4500-S2-D	0.5	0.05	0.01	N/A	0.01	N/A	mg/L
Sulfite	SM 4500 SO32 C	2	0.5	0.2	N/A	0.2	N/A	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.

<sup>(s)</sup> = The samples were subcontracted to Intertek [Intertek Turkey Food Laboratory] for testing.



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

Number: TURA240110965

**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)	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	ND	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

2. **Anions**

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

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



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

Number: TURA240110965

3. Conventional parameters

Chemical substances	Test method	Lab reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	USEPA SW 9045D	N/A	9.4	N/A
% Solids	USEPA 160.3	N/A	71.8	%
Paint Filter Test ^	USEPA 9095B	N/A	Pass	N/A
Fecal Coliform <sup>(S)</sup>	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.

<sup>(S)</sup> = 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)	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



**SOFTLINES WASTEWATER TESTING**  
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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)	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

6. Chlorotoluenes

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

Chemical substances	CAS no.	ZDHC 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



**SOFTLINES WASTEWATER TESTING**  
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Number: TURA240110965

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



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

Number: TURA240110965

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



**SOFTLINES WASTEWATER TESTING**  
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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			< 1000 (MPN/g)	Sample and report only
Paint Filter Test								
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers		< 0.4 mg/kg				Sample and report only		
Polycyclic Aromatic Hydrocarbons (PAHs)								
Chlorotoluenes		< 0.2 mg/kg				Sample and report only		

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: TURA240110965

Photo of sampling points:

Incoming water -	Untreated wastewater 18/09/2024, 11:00
X	
Effluent -	Sludge 18/09/2024, 16:00
X	

\*\*\*\*\*



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

Number: TURA240110965

Photo of samples:

<p>Incoming water -</p>	<p>Untreated wastewater 18/09/2024, 13:00</p>
<p>X</p>	
<p>Effluent -</p>	<p>Sludge 18/09/2024, 13:00</p>
<p>X</p>	



**SOFTLINES WASTEWATER TESTING**  
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Number: TURA240110965

Attachment – sampling protocol for wastewater & sludge:

**intertek ZDHC Monitoring**  
Total Quality. Assured.

**Sampling Protocol for Wastewater and Sludge acc. ZDHC SAP 2.1 incl. Apdx. E**

Facility Name: **DNM Textile for Spinning, Weaving and Dyeing**

Address and Contact: **Public Free Zone - Damietta - Egypt.**

Facility type (tick all applicable):  
 Dyeing and Finishing  
 Fabric Mill  
 Laundry, Washing and Finishing  
 Natural Leather processing  
 Printing  
 Synthetic Leather processing

Date of sampling: **18-4-2024**

Sample General ID (if applicable):  
 direct discharge  
 indirect discharge  
 no Liquid Discharge (ZLD)  
 MDCF  
 with pre-treatment  
 without treatment  
 with own ETP

Discharge description: **Facility is ZLD**

Weather conditions: on sampling day: **32°C** on day before: **32°C**

Fill in all above information as applicable.

**Sample Type and Details (see also page 2)**

Effluent Discharge  
 direct  
 indirect  
 Enter sampling time(s) in Sample Details (page 2) and measure field parameters.  
 Facility has WWTP  
 Plant is in operating condition  
 with Equalisation Tank (EQT) present:  
 Hydraulic Retention Time (HRT): \_\_\_\_\_ h  
 (= Volume of tank [m<sup>3</sup>] / Flow rate [m<sup>3</sup>/h])  
 If HRT > 12h, grab sampling from EQT is allowed.

Pre-treated WW without sludge  
 Untreated WW  
 with Equalisation Tank (EQT) present:  
 HRT: \_\_\_\_\_ h (= Volume of tank [m<sup>3</sup>] / Flow rate [m<sup>3</sup>/h])  
 If HRT > 12h, grab sampling from EQT is allowed  
 Incoming Water  
 MDCF

Sludge with below disposal pathway\*  
 A >1000 °C offsite incineration  
 B Landfill with significant control  
 C Building products processed >1000 °C  
 D Landfill with limited control  
 E Incineration / Building products processed <1000 °C  
 F Landfill with no control  
 G Land application  
 age of sludge: \_\_\_\_\_ days / weeks  
 \*) If supplier cannot provide information, pathway "F" shall be assumed.

Sludge volume generated: \_\_\_\_\_ Om<sup>3</sup>/h OL/sec.  other unit (specify): \_\_\_\_\_  per facility info  measured  estimated

Process Chemical  liquid  solid (powder/granulate/pieces)  from running process  from warehouse/storage

Times of sampling (if applicable)	Untreated:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Effluent (indirect):*		11	12	13	14	15	16	17											
Incoming:																			
Sludge (liquid):																			
																			Solid sludge: 16

Picture ID (or Date & Time / Interval): \_\_\_\_\_ GPS coordinates of sampling points:  
 Incoming W.: Lat.: ON OS \_\_\_\_\_ Long.: OE OW \_\_\_\_\_  
 Untreated WW: Lat.: ON OS **31.457098** Long.: OE OW **31.782578**  
 Effluent: Lat.: ON OS \_\_\_\_\_ Long.: OE OW \_\_\_\_\_  
 Sludge: Lat.: ON OS **31.4570142** Long.: OE OW **31.7884929**

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

Number: TURA240110965

**intertek ZDHC Monitoring**  
Total Quality. Assured.

**Sample Details** \*) Field parameters usually are only required for direct discharge. If client requests also for indirect discharge, use below fields.

Composite Sample       Grab Sample (only allowed from EQT of Effluent with HRT>12h)  
(enter data in column for Averaged Readings and in field at right)

Volume of aliquot(s): \_\_\_\_\_ mL

Time of discrete effluent sample **	1	2	3	4	5	6	7	Averaged Readings or Grab Sample readings:
pH:								
Temp. WW discharge of receiving water	°C	°C	°C	°C	°C	°C	°C	°C
Flow rate:	L/s	L/s	L/s	L/s	L/s	L/s	L/s	m <sup>3</sup> /d avg.
Dissolved Oxygen:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Chlorine:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Persistent foam:	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no	

\*\*): time when discrete sample for composite was taken. Use comment field if number of samples is greater than seven, or if above fields are otherwise not sufficient.  
Note: 1.0 m<sup>3</sup>/h = 0.27 L/s; 1.0 L/s = 86.4 m<sup>3</sup>/d; 1 m<sup>3</sup>/h = 0.042 m<sup>3</sup>/d, multiply the flow rate in m<sup>3</sup>/h by the daily operation time of the ETP to get flow rate in m<sup>3</sup>/d.

Sampling procedure:  automated sampling     with beaker/bowl     other:

**Wastewater Flow Data (Effluent/Discharge)**

System:  Flow meter (in facility)     Pipe (O)     Flume (U)     Wier (V)

Diameter [cm] \_\_\_\_\_

Water Depth [cm] \_\_\_\_\_

Flow Speed [cm/sec] \_\_\_\_\_

**General Field Parameters and Sensory Data** (enter as far as applicable)

Type	T ambient air [°C]	Odour	Colour	Foaming	Floating matter
Incoming				<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Untreated			D. Navy	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Effluent				<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
Sludge			Gray		

**Field Testing QA/QC**

Parameter	Lab Control Sample target value	Lab Control Sample measured value	Accuracy [%]
pH			
Total Chlorine			

Other observations: PH sludge. 9.4

Additional notes (e.g., alternatively measured flow and readings, abbreviations used, etc):

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SOFTLINES WASTEWATER TESTING  
TEST REPORT (TEXTILES)

Number: TURA240110965

**intertek** ZDHC Monitoring  
Total Quality. Assured.

ZDHC Wastewater Sampling - Facility Confirmation  
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.

<u>Sampling person (name &amp; email address):</u>	<u>Facility Name:</u>
<u>Pania Sape:</u>	<u>DNM Textile for Spring, wear and Dyers</u>
<u>Sampler's ZDHC accreditation no.:</u>	<u>Facility's Representative name:</u>
<u>C74D106817102</u>	<u>Ahmed Marzouk</u>
<u>Sampler's Signature:</u>	<u>Facility's Representative Signature and Stamp:</u>
<u>Pania Sape:</u>	<u>A. Marzouk</u>

Rev 3(0)-4 - use with Guideline CS008-TP (Issue 3(0)) Page 3 of 3 Effective Date: 04-Sep-2023  
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**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: TURA240110965

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End of report

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