

SOFTLINES WASTEWATER TESTING
TEST REPORT (TEXTILES)

Number: DELC24011912

Report Date: 30/10/2024

Factory's name:	Jain Cord Industries Pvt Ltd.
Factory's address:	Village -Dautana Chandrauri Road Tehsil Chhata Mathura 281401
Type of wastewater discharge:	Direct Discharge
On-site Wastewater treatment plant:	With wastewater treatment plant
Average total industrial wastewater generated:	≥ 15m ³ /day
Date and time of the beginning of sampling:	25/10/2024, 01:30 PM
Date and time of the end of sampling:	25/10/2024, 06:05 PM
Date received sample:	25/10/2024
Testing period:	From 26/10/2024 to 30/10/2024
Arrival temperature at laboratory:	5.9 °C
Sample type:	
Sample / Untreated wastewater	Dark Violet, Grab sample at 01:30 PM Sampling location: Latitude 27.76, Longitude77.48
Sample / Effluent	Lt. Yellow, composite sample at 12:05; 01:05; 02:05; 03:05; 04:05; 05:05; 06:05 Sampling location: Latitude 27.76, Longitude77.48
Sample / Sludge	Brown, Grab sample at 04:30 PM Sampling location: Latitude 27.76, Longitude77.48
Sampling laboratory:	Intertek India Pvt Ltd (Gurgaon)
Testing laboratory:	Intertek India Pvt Ltd (Gurgaon)
ZDHC sampler accreditation certification number:	C74D106818855
Local legal standard name ^[a] :	UTTAR PRADESH POLLUTION CONTROL BOARD
Local legal standard no. ^[a] :	172270/UPPCB/Mathura(UPPCBRO)/CTO/both/MATHURA/2022
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:

Intertek India Private Ltd.

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Telephone: 0124-4503400, Fax: 0124-4303592.

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Wastewater / MRSL – Test items	Testing period	Untreated Wastewater
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	26/10/2024 to 30/10/2024	ND
Anti-Microbials & Biocides	26/10/2024 to 30/10/2024	ND
Chlorinated Parafins	26/10/2024 to 30/10/2024	ND
Chlorobenzenes and Chlorotoluenes	26/10/2024 to 30/10/2024	ND
Chlorophenols	26/10/2024 to 30/10/2024	ND
Dimethyl Formamide (DMFa) (*)	26/10/2024 to 30/10/2024	ND
Dyes – Carcinogenic or Equivalent Concern	26/10/2024 to 30/10/2024	ND
Dyes – Disperse (Allergenic)	26/10/2024 to 30/10/2024	ND
Dyes – Navy Blue Colourant	26/10/2024 to 30/10/2024	ND
Flame Retardants	26/10/2024 to 30/10/2024	ND
Glycols / Glycol Ethers	26/10/2024 to 30/10/2024	ND
Halogenated solvents	26/10/2024 to 30/10/2024	ND
Organotin compounds	26/10/2024 to 30/10/2024	ND
Other/Miscellaneous Chemicals (^)	26/10/2024 to 30/10/2024	ND
Perfluorinated & Polyfluorinated chemicals (PFCs)	26/10/2024 to 30/10/2024	ND
Phthalates (Ortho-phthalates)	26/10/2024 to 30/10/2024	ND
Polycyclic aromatic hydrocarbons (PAHs)	26/10/2024 to 30/10/2024	ND
Restricted Aromatic Amines (Cleavable from Azo- colourants)	26/10/2024 to 30/10/2024	ND
UV Absorbers	26/10/2024 to 30/10/2024	ND
Volatile Organic Compounds (VOC)	26/10/2024 to 30/10/2024	ND

Wastewater / Heavy metals - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
Antimony	26/10/2024 to 30/10/2024			Meet
Chromium (VI)	26/10/2024 to 30/10/2024			Meet
Barium	26/10/2024 to 30/10/2024	Report only, refer data		
Selenium	26/10/2024 to 30/10/2024	Report only, refer data		
Tin	26/10/2024 to 30/10/2024	Report only, refer data		
Arsenic	26/10/2024 to 30/10/2024			Meet
Chromium (total)	26/10/2024 to 30/10/2024			Meet
Cobalt	26/10/2024 to 30/10/2024			Meet
Cadmium	26/10/2024 to 30/10/2024			Meet
Copper	26/10/2024 to 30/10/2024			Meet
Lead	26/10/2024 to 30/10/2024			Meet
Nickel	26/10/2024 to 30/10/2024			Meet
Silver	26/10/2024 to 30/10/2024			Meet
Zinc	26/10/2024 to 30/10/2024			Meet
Mercury	26/10/2024 to 30/10/2024			Meet

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Wastewater / Conventional parameters - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
pH ^[f]	26/10/2024 to 30/10/2024	Meet		
Temperature difference ^[f]	26/10/2024 to 30/10/2024			Meet
E.coli ^(S)	26/10/2024 to 30/10/2024	Meet		
Colour	26/10/2024 to 30/10/2024		Meet	
Persistent foam ^[f]	26/10/2024 to 30/10/2024	Meet		
Wastewater flowrate ^[f]	26/10/2024 to 30/10/2024	Report only, refer data		
Ammonium-Nitrogen ^(S)	26/10/2024 to 30/10/2024			Meet
AOX ^(S)	26/10/2024 to 30/10/2024		Meet	
Biochemical Oxygen Demand (BOD ₅) ^(S)	26/10/2024 to 30/10/2024	Meet		
Chemical Oxygen Demand (COD) ^(S)	26/10/2024 to 30/10/2024	Meet		
Dissolved Oxygen (DO) ^[f]	26/10/2024 to 30/10/2024	Report only, refer data		
Oil & Grease ^(S)	26/10/2024 to 30/10/2024			Meet
Total Phenols / Phenol Index ^(S)	26/10/2024 to 30/10/2024			Meet
Total Chlorine ^[f]	26/10/2024 to 30/10/2024	Report only, refer data		
Total Dissolved Solids (TDS) ^(S)	26/10/2024 to 30/10/2024	Report only, refer data		
Total Nitrogen ^(S)	26/10/2024 to 30/10/2024			Meet
Total Phosphorus ^(S)	26/10/2024 to 30/10/2024			Meet
Total Suspended Solids (TSS) ^(S)	26/10/2024 to 30/10/2024	Meet		

Wastewater / Anions - Test items	Testing period	Effluent		
		Foundational	Progressive	Aspirational
Chloride ^(S)	26/10/2024 to 30/10/2024	Report only, refer data		
Cyanide, total ^(S)	26/10/2024 to 30/10/2024			Meet
Sulfate ^(S)	26/10/2024 to 30/10/2024	Report only, refer data		
Sulfide ^(S)	26/10/2024 to 30/10/2024			Meet
Sulfite ^(S)	26/10/2024 to 30/10/2024			Meet

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Sludge – Disposal Pathways
B

Sludge / Heavy metals - Test items	Testing period	Sludge (Total)	Sludge (Leachate)
Antimony	26/10/2024 to 30/10/2024	Meet	
Arsenic	26/10/2024 to 30/10/2024	Meet	
Barium	26/10/2024 to 30/10/2024	Meet	
Cadmium	26/10/2024 to 30/10/2024	Meet	
Cobalt	26/10/2024 to 30/10/2024	Meet	
Copper	26/10/2024 to 30/10/2024	Meet	
Lead	26/10/2024 to 30/10/2024	Meet	
Nickel	26/10/2024 to 30/10/2024	Meet	
Selenium	26/10/2024 to 30/10/2024	Meet	
Silver	26/10/2024 to 30/10/2024	Meet	
Chromium (total)	26/10/2024 to 30/10/2024	Meet	
Zinc	26/10/2024 to 30/10/2024	Meet	
Chromium VI	26/10/2024 to 30/10/2024	Meet	
Mercury	26/10/2024 to 30/10/2024	Meet	

Sludge / Anion - Test items	Testing period	Sludge
Cyanide ^(S)	26/10/2024 to 30/10/2024	Report only, refer data

Sludge / Conventional parameters - Test items	Testing period	Sludge
pH	26/10/2024 to 30/10/2024	Meet
% Solids	26/10/2024 to 30/10/2024	Report only, refer data
Paint filter test	26/10/2024 to 30/10/2024	Report only, refer data
Faecal coliform ^(S)	26/10/2024 to 30/10/2024	Report only, refer data

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Sludge / MRSL - Test items	Testing period	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers	26/10/2024 to 30/10/2024	Report only, refer data
Polycyclic Aromatic Hydrocarbons (PAHs)	26/10/2024 to 30/10/2024	Report only, refer data
Chlorotoluenes	26/10/2024 to 30/10/2024	Report only, refer data

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)
^(S) = The samples were subcontracted to Intertek Food Lab -Gurgaon 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 [Analytical – Gurgaon] Limited



RAVINDRA SINGH
Laboratory Manager – Analytical

Intertek India Private Ltd.

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Sample / Wastewater

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

NP/OP: Modified from ASTM D7065-17, ISO 18857-2 (LC-MS-MS ANALYSIS)

OPEO/NPEO (n>2): Modified from ASTM D7065-17, ISO 18857-2 (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

OPP, Triclosan: Modified from USEPA 8270E, Extraction & derivatization with KOH, acetic anhydride (GC-MS ANALYSIS)

Permethrin: Modified from USEPA 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 Paraffins

For MCCP: Modified from ISO18219-2:2021 (GC-MS-NCI ANALYSIS)

For SCCP: Modified from ISO 18219-1:2021 (GC-MS-NCI 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 US EPA 8270D & US EPA 8270, (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 USEPA 8270E extraction & derivatization with KOH, acetic anhydride (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

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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
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 EPA 8270E (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 to Liquid extraction, (LC-MS-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

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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

8. Dyes – Disperse (Allergenic)

Modified to Liquid extraction, (LC-MS-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

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9. Dyes – Navy Blue Colourant

Modified to Liquid extraction, (LC-MS-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

10. Flame retardants

Other flame retardant substances: Modified from USEPA 8270E, Dichloromethane extraction GC-MS & LC-MS-MS ANALYSIS)

Borate salt: Determined as total Boron via ICP-OES 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

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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 USEPA 8270E (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 USEPA 8260 (Headspace 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 ISO 17353 Derivatization with NaB (C2H5) (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

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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
Tetraethyltin Compounds (TeET)	Multiple	0.01	ND	µg/L

14. Other/Miscellaneous Chemicals

Others: Modified to Liquid extraction, (LC-MS-MS ANALYSIS)

Borate salt: Determined as total Boron via ICP-OES 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	µg/L
			Zinc: ND	

15. Perfluorinated & polyfluorinated chemicals (PFCs)

PFCs: Modified from EPA 8270, LC-MS-MS ANALYSIS

FTOH: Modified from EPA 8270, LC-MS-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

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

Modified from USEPA 8270E, Dichloromethane extraction (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
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

17. Polycyclic aromatic hydrocarbons (PAHs)

Modified from USEPA 8270E Solvent extraction (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

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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

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

Modified from ISO 14362-1 and ISO14362-3, Reduction step with sodium dithionite, solvent extraction(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

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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

19. UV Absorbers

Modified from USEPA 8270, Dichloromethane 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

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20. Volatile organic compounds (VOCs)

Modified from USEPA 8260D Headspace 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

Modified from USEPA 6010C & USEPA 6020A, ISO 18412 EPA (ICP-MS ANALYSIS)

Chemical substances	Limit			Legal * Requirement	Lab reporting limit (mg/L)	Effluent	Unit
	Foundation al	Progressiv e	Aspiratio nal				
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	ND	0.01
Selenium	Sample and report only			-	0.01	ND	0.01
Tin	Sample and report only			-	0.01	ND	0.01
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

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-* Regulation/Standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters (mandatory).

22. Conventional parameters

Parameters	Test method	Limit			Legal * Requirement	Lab reporting limit	Effluent	Unit
		Foundational	Progressive	Aspirational				
pH	IS 3025 (Part 11) Electrometric method only	6-9			-	N/A	7.7	[f]
Temperature difference	IS 3025 (Part 9) Electrometric method only	△+15 °C	△+10 °C	△+5 °C	-	N/A	1.9	[f] °C
E.coli	SM 9221B presumptive, confirm positive with SM9221 F or G	126 MPN/100-ml			-	1.8	< 1.8	MPN/100-ml
Colour (436 nm ; 525 nm ; 620nm)	ISO 7887-B	7;5;3 [m-1]	5;3;2 [m-1]	2;1;1 [m-1]	-	N/A	4.185;1.727;0.695	[m-1]
Persistent Foam	Visual	No indication of Persistent foam in receiving water			-	N/A	Absent	[f]
Wastewater Flowrate	/	N/A			-	N/A	1500	[f] m ³ /day

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Ammonium-Nitrogen	IS 3025 (Part 34)	10 mg/L	1 mg/L	0.5 mg/L	-	0.5	< 0.5	mg/L
AOX	ISO 9562	3 mg/L	0.5 mg/L	0.1 mg/L	-	0.06	0.121	mg/L
Biochemical Oxygen Demand (BOD ₅)	IS 3035 (Part 44)	30 mg/L	15 mg/L	8 mg/L	-	3	27.68	mg/L
Chemical Oxygen Demand (COD)	IS 3025 (Part 58)	150 mg/L	80 mg/L	40 mg/L	-	4	144.61	mg/L
Dissolved Oxygen (DO)	EPA 360.1 (Electrometric method only)	Sample and report only			-	N/A	6.8	^[f] mg/L
Oil and grease	IS 3025 (Part 39)	10 mg/L	2 mg/L	0.5 mg/L	-	0.5	< 0.5	mg/L
Total Phenols / Phenol Index	IS 3025 (Part 43)	0.5 mg/L	0.01 mg/L	0.001 mg/L	-	0.0005	< 0.0005	mg/L
Total Chlorine	EPA 330.5 (Electrometric method only)	Sample and report only			-	0.2	< 0.2	^[f] mg/L
Total Dissolved Solids (TDS)	IS 3025 (Part 16)	Sample and report only			-	1	1770.0	mg/L
Total-Nitrogen	IS 3025 (Part 34)	20 mg/L	10 mg/L	5 mg/L	-	0.5	< 0.5	mg/L
Total-Phosphorus	IS 3025 (Part 31) / IS 3025 (Part 65)	3 mg/L	0.5 mg/L	0.1 mg/L	-	0.02	< 0.02	mg/L
Total Suspended Solids (TSS)	IS3025 (Part 17)	50 mg/L	15 mg/L	5 mg/L	-	1	17.5	mg/L

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Chloride	IS 3025 (Part 32)	Sample and report only			-	1	480.40	mg/L
Cyanide, total	APHA 4500-CN	0.2 mg/L	0.1 mg/L	0.05 mg/L	-	0.02	< 0.02	mg/L
Sulfate	IS 3025 (Part 24)	Sample and report only			-	1	80.58	mg/L
Sulfide	IS 3025 (Part 29)	0.5 mg/L	0.05 mg/L	0.01 mg/L	-	0.02	< 0.01	mg/L
Sulfite	SM 4500- SO32-C /	2 mg/L	0.5 mg/L	0.2 mg/L	-	0.2	< 0.2	mg/L

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

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Sample / Sludge

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

1. **Heavy metals**

Other heavy metals: Modified from EPA 3050 (ICP-MS ANALYSIS)

Chromium VI: : Modified from USEPA 3060a (LC-ICP-MS ANALYSIS)

Mercury: : Modified from EPA 7471 b EPA 3051a (ICP-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	ND	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	94.12	mg/kg
Zinc	400	400	ND	mg/kg
Chromium (VI)	20	20	ND	mg/kg
Mercury	1	1	ND	mg/kg

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2. Anions

Modified from USEPA 9013, USEPA 9014, USEPA 9213, HJ745 with Colorimetry 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

3. Conventional parameters

Chemical substances	Test method	Lab reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	USEPA SW 9045D	N/A	8.65	N/A
% Solids	USEPA 160.3	N/A	33.0	%
Paint Filter Test ^	USEPA 9095B	N/A	Pass	N/A
Fecal Coliform	USEPA 1681	1.8	21.0	MPN/g

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

Modified from ASTM D7065-17, ISO 18857-2 (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

5. Polycyclic aromatic hydrocarbons (PAHs)

Modified from USEPA 8270E Solvent extraction (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

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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 US EPA 8270D & US EPA 8270, (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

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7. Leachate heavy metals

Other heavy metals: Modified from EPA 3050 (ICP-MS ANALYSIS)
Chromium VI: : Modified from USEPA 3060a (LC-ICP-MS ANALYSIS)
Mercury: : Modified from EPA 7471 b EPA 3051a (ICP-ANALYSIS)

Chemical substances	Lab reporting limit (mg/L)	Sludge	Unit
Arsenic	0.5	N/A	mg/L
Cadmium	0.15	N/A	mg/L
Total Chromium	5	N/A	mg/L
Lead	0.5	N/A	mg/L
Antimony	0.6	N/A	mg/L
Barium	35	N/A	mg/L
Cobalt	80	N/A	mg/L
Copper	10	N/A	mg/L
Nickel	3.5	N/A	mg/L
Selenium	0.5	N/A	mg/L
Silver	5	N/A	mg/L
Zinc	50	N/A	mg/L
Chromium (VI)	2.5	N/A	mg/L
Mercury	0.05	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	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

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	Sample and report only	
Fecal Coliform				< 1000 (MPN/g)				
Paint Filter Test				Pass Paint filter test				Sample and report only
Alkylphenol (AP) and Alkylphenol				< 0.4 mg/kg				

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Ethoxylates (APEOs): including all isomers			
Polycyclic Aromatic Hydrocarbons (PAHs)			< 0.2 mg/kg
Chlorotoluenes			

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

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SOFTLINES WASTEWATER TESTING
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Photo of sampling points:

Untreated wastewater



Effluent



Sludge



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**SOFTLINES WASTEWATER TESTING
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Photo of samples:

Untreated wastewater



Effluent



Sludge



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

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Attachment – sampling protocol for wastewater & sludge:

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

Facility Name	Join Corp Industrial Pvt Ltd		
Address and Contact:	Village Dautana, Chandni Road, Terhi Chhota, Mathura Road, UP		
Facility type : (tick all applicable)	<input checked="" type="checkbox"/> Dyeing and Finishing	<input type="checkbox"/> Fabric Mill	<input type="checkbox"/> Laundry, Washing and Finishing
Date of sampling:	25/10/2024		
Sample General ID (if applicable):	<input type="checkbox"/> direct discharge	<input type="checkbox"/> indirect discharge	<input type="checkbox"/> Zero Liquid Discharge (ZLD)
Discharge description:	Direct discharge with pretreatment with own ETP to local sewage (Down)		
Weather conditions:	on sampling day: Sunny day	on day before: Sunny day	

Fill in all above information as applicable.			
Sample Type and Details (see also page 2)			
<input type="checkbox"/> Effluent Discharge	<input checked="" type="checkbox"/> direct	<input type="checkbox"/> indirect	<input type="checkbox"/> with Equalisation Tank (EQT) present:
Enter sampling times in Sample Details (page 2), and measure field parameters.	Enter sampling time(s) for indirect discharge. Field parameters are not required, except on client's request.	<input type="checkbox"/> Facility has WWTP <input type="checkbox"/> Plant is in operating condition	Hydraulic Retention Time (HRT): 12 h (= Volume of tank [m³] / Flow rate [m³/h]) If HRT > 12h, grab sampling from EQT is allowed.
<input type="checkbox"/> Pre-treated WW without sludge	<input checked="" type="checkbox"/> Untreated WW	<input type="checkbox"/> with Equalisation Tank (EQT) present: HRT: > 12 h (= Volume of tank [m³] / Flow rate [m³/h]) If HRT > 12h, grab sampling from EQT is allowed	<input type="checkbox"/> Incoming Water <input type="checkbox"/> MMCF
Sludge with below disposal pathway*):			
<input type="checkbox"/> A >1000 °C offsite incineration	<input checked="" type="checkbox"/> B Landfill with significant control	<input type="checkbox"/> C Building products processed >1000 °C	<input type="checkbox"/> D Landfill with limited control
		<input type="checkbox"/> E Incineration / Building products processed <1000 °C	age of sludge : days / weeks
		<input type="checkbox"/> F Landfill with no control	<input type="checkbox"/> G Land application
*) if supplier cannot provide information, pathway "F" shall be assumed.			
Sludge volume generated: Om³/h O L/sec O other unit (specify): O per facility info O measured O estimated			
<input type="checkbox"/> Process Chemical O liquid O solid (powder/granulate/pieces) O from running process O from warehouse/storage			

Times of sampling (if applicable)	Untreated:	1	2	3	4	5	6	7	or Grab (HRT>12h):
	Effluent (indirect) ¹⁾ :	1	2	3	4	5	6	7	or Grab (HRT>12h):
	Incoming: ²⁾	1	2	3	4	5	6	7	or Grab ²⁾ (HRT>12h):
	Sludge (liquid):	1	2	3	4	5	6	7	Solid sludge:

¹⁾ for direct discharge, see p. 2
²⁾ take grab sample for tap water, river water, and industrial treated river water without EQT; recycled water from EQT <12h must be composite.

Picture ID (or Date & Time / Interval): *DELC24011912*
1330 PM
25/10/2024

GPS coordinates of sampling points:			
Incoming W.:	Lat.: ON OS	Long.: OE OW	
Untreated WW:	Lat.: ON OS	Long.: OE OW	27-76 77-48
Effluent:	Lat.: ON OS	Long.: OE OW	27-76 77-48
Sludge:	Lat.: ON OS	Long.: OE OW	27-76 77-48



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Sample Details ²⁾ Field parameters usually are only required for direct discharge. If client requests also for indirect discharge, use below fields.

<input type="checkbox"/> Composite Sample	<input type="checkbox"/> 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 12:05	2 01:05	3 02:05	4 03:05	5 04:05	6 05:05	7 06:05	Averaged Readings or Grab Sample readings:
pH:	7.9	7.8	7.2	7.6	7.4	7.9	7.8	7.7
Temp. WW discharge of receiving water	20 °C	30 °C	31 °C	31 °C	30 °C	30 °C	31 °C	30.4 °C
Flow rate:	17.5 L/s	17.8 L/s	17.9 L/s	17.6 L/s	17.4 L/s	17.2 L/s	17.2 L/s	15.00 m ³ /d avg.
Dissolved Oxygen:	6.8 mg/L	6.8 mg/L	6.8 mg/L	6.8 mg/L	6.8 mg/L	6.8 mg/L	6.8 mg/L	6.8 mg/L
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
Persistent foam:	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	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 m³/h = 0.27 L/s; 1.0 L/s = 86.4 m³/d; 1 m³/h = 0.042 m³/d; multiply the flow rate in m³/h by the daily operation time of the ETP to get flow rate in m³/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 checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Untreated			Dark Vard	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Effluent			lt yellow	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Sludge			BROWN		

Field Testing QA/QC

Parameter	Lab Control Sample target value	Lab Control Sample measured value	Accuracy [%]
pH	7.0	7.1	101.4 %
Total Chlorine	199.0	200	100.5 %

Other observations: _____

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

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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.

Sampler person (name & email address):

Anilkumar

Facility Name:

Jain Cord Industries Private Limited

Sampler's ZDHC accreditation no.:

C742/068/8855

Facility's Representative name:

A.P. Singh
(A.P. Singh / G.M. Engg.)
25/10/2024

M/s. Jain Cord Industries Pvt. Ltd.

Sampler's Signature:

Anilkumar
25/10/2024

Facility's Representative Signature and Stamp:

Authorised Signatory



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End of report

This report is made solely on the basis of instructions and/or information and materials supplied by you (the Client), It is not intended to be a recommendation for any specific course of action. Intertek shall not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as that which is expressly contained in the terms and conditions governing the provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent, truthful and careful basis and we do not accept any liability to you for any direct or in-direct loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or willful misconduct.

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