



LAB REPORT

Report number	(6826)095-0218
Date of sampling (dd/mm/yyyy)	04/04/2026
Date of report (dd/mm/yyyy)	13/04/2026

Factory name	IRIS Fabrics Ltd.
Factory address	Zirani Bazar, Kashimpur, Gazipur, 1349, Bangladesh.

Type of wastewater discharge			
Discharge type	Direct Discharge		
Discharge destination name & address	Municipal Drain		
Discharge volume	>15 m3 per day	Manufacturing process type	Textile
Equalisation tank/ homogenization tank	Yes (raw)	Average holding time	>12 hours

Sample description & Sample collection method			
Sample Name	Sample Number	Sampling Method	Remarks
Untreated wastewater (raw)	I001	Composite sample	09:47, 10:47, 11:47, 12:47, 13:47, 14:47, 15:47
Discharged wastewater (effluent-1) (ETP:1)	I002	Composite sample	09:42, 10:42, 11:42, 12:42, 13:42, 14:42, 15:42
Discharged wastewater (effluent-2) (ETP:2)	I002	Composite sample	09:44, 10:44, 11:44, 12:44, 13:44, 14:44, 15:44
Sludge	I003	Composite sample	11:55

Local legal data	
Local legal standard name & number [a]	Environmental Conservation Rules' 2023 (Bangladesh) & S. R. O Number.: 53/Law/2023
Parameters (ZDHC WWG V2.2, Table 2 & 3) meeting local regulation [a]	Meet
Discharge permit provided	Yes

ZDHC overall results			
Wastewater ZDHC MRSL	Not detected		
Wastewater Heavy Metals	Meet Aspirational Limits		
Wastewater Conventional Parameters and Anions	Meet Foundational Limits		
Sludge Disposal Pathway	C	Sludge	Sample and report only

Internal Description	
Sample reference number	(6826)095-0218
On-site app project number	O-P-12172
ZDHC sampler name	Asad Hosain
ZDHC sampler accreditation certification number	C74D106817446
Date & time of the beginning of sampling	04/04/2026, 09:30
Date & time of the end of sampling	04/04/2026, 16:10
Sample received date by the laboratory	04/04/2026
Testing period	04/04/2026 to 13/04/2026
Sample maximum holding time exceeded	No
Sample temperature when received from lab (°C)	4.8
Sample temperature upon receipt exceeds 8°C (°C)	No
Comments	Sampler was not able to measure the temperature of the receiving body: Because the receiving body is several kilometers away from the point of discharge and the facility is discharging the effluent into the receiving body through a municipal drain.
General enquiry and invoicing	Mr. Md. Robeul Awal Mail: mdrobeul.awal@bureauveritas.com; Phone No.:+8801755563437
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This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.	
For and on behalf of	Bureau Veritas Consumer Products Services (Bangladesh) Ltd. Lab address: Plot#130, DEPZ, Extension Area, Ganakbari, Savar, Dhaka, Bangladesh. Tel: 88-02-7789464-6, Email: bvcpb.bd@bureauveritas.com  MD. RASHEDUL HAQUE, DEPUTY SR. MANAGER, RSL OPERATIONS

Summary of test results	
Wastewater / MRSL - Test Items	Raw I001
AP and APEOs	ND
Antimicrobials and Biocides	ND
Chlorinated Paraffins	ND
Chlorobenzenes and Chlorotoluenes	ND
Chlorophenols	ND
DMFa	ND
Dyes-Carcinogenic or Equivalent Concern	ND
Dyes-Disperse (Allergenic)	ND
Dyes-Navy Blue Colourant	NA
Flame Retardants	ND
Glycols / Glycol Ethers	ND
Halogenated Solvents	ND
Organotin Compounds	ND
Other / Miscellaneous Chemicals	ND
PFCs	ND
Phthalates	ND
PAHs	ND
Restricted Aromatic Amines	ND
UV Absorbers	ND
VOC	ND

Summary of test results		
Wastewater / Metals - Test Items	Effluent-1 I002	Effluent-2 I002
Antimony	Aspirational	Aspirational
Chromium (VI)	Aspirational	Aspirational
Barium	Report only	Report only
Selenium	Report only	Report only
Tin	Report only	Report only
Arsenic	Aspirational	Aspirational
Total Chromium	Aspirational	Aspirational
Cobalt	Aspirational	Aspirational
Cadmium	Aspirational	Aspirational
Copper	Aspirational	Aspirational
Lead	Aspirational	Aspirational
Nickel	Aspirational	Aspirational
Silver	Aspirational	Aspirational
Zinc	Aspirational	Aspirational
Mercury	Aspirational	Aspirational
Manganese ^e	Report only	Report only
Wastewater / Conventional Parameters & Anions - Test Items	Effluent-1 I002	Effluent-2 I002
pH (f)	Aspirational	Aspirational
Temperature difference (f)	NA	NA
E.coli	Aspirational	Aspirational
Colour	Aspirational	Aspirational
Persistent foam (f)	Aspirational	Aspirational
Wastewater flowrate (f)	Report only	Report only
Ammonium-Nitrogen	Aspirational	Aspirational
AOX	Progressive	Progressive
BOD5	Progressive	Progressive
COD	Progressive	Progressive
DO (f)	Aspirational	Aspirational
Oil & Grease	Progressive	Progressive
Total Phenols	Progressive	Progressive
Total Chlorine (f)	Aspirational	Aspirational
TDS	Report only	Report only
Total Nitrogen	Progressive	Progressive
Total Phosphorus	Progressive	Progressive
TSS	Progressive	Progressive
Chloride	Report only	Report only
Cyanide, total	Aspirational	Aspirational
Sulphate	Report only	Report only
Sulphide	Foundational	Foundational
Sulphite	Progressive	Progressive

Summary of test results	
Sludge / Sludge Parameters - Test Items	Sludge I003
AP and APEOs	Report only
PAHs	Report only
Chlorotoluenes	Report only
Antimony	NA
Arsenic	NA
Barium	NA
Cadmium	NA
Cobalt	NA
Copper	NA
Lead	NA
Nickel	NA
Selenium	NA
Silver	NA
Zinc	NA
Total Chromium	NA
Chromium (VI)	NA
Mercury	NA
pH	NA
Fecal Coliform	NA
% Solids	Report only
Paint Filter Test	NA
Cyanide	NA

Sludge Disposal Pathway = C

Sludge flux and/or sludge flow data: NA

Remark (indicated in each parameter)	
ND	= Non-detected (below lab reporting limit), non-detection is not allowed for colour, pH and temperature.
D	= Detected (above lab reporting limit)
Meet	= (Sludge) Meet sludge disposal pathway limit
Not meet	= (Wastewater) Not meet foundational limit, (Sludge) Not meet sludge disposal pathway limit
Foundational	= (Wastewater) Meet Foundational Limit
Progressive	= (Wastewater) Meet Progressive Limit
Aspirational	= (Wastewater) Meet Aspirational Limit
Report only	= Parameter is for report only, please refer to the data
RL	= The laboratory reporting limit
[a]	= The local legal standard name and legal standard number is referenced to discharge permit (or contractual agree by CETP) that provided by factory
#	= Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters
(f)	= Parameter tested in field
(T)	= Handling temperature exceeded
@	= Maximum holding time exceeded
*	= See comment
(S)	= Subcontracted parameters
e	= Additional parameter requested by supplier

Test result

1A) AP and APEOs: including all isomers

Internal method with reference to NP/OP: ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS))
OPEO/NPEO (n>2): ISO 18857-2

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	5	5	5	ND		
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	5	5	5	ND		
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	5	5	5	ND		
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	5	5	5	ND		

1B) Anti-Microbials & Biocides

Internal method with reference to USEPA 8270E, Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS (o-Phenylphenol), Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN 12673-1999 (Triclosan) and USEPA 8270E Solvent extraction followed by GC-MS or ISO 14154:2005 (Permethrin)

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
o-Phenylphenol (+salts)	90-43-7	100	Sample & report	100	ND		
Triclosan	3380-34-5	100	100	100	ND		
Permethrin	Multiple 52645-53-1	500	500	500	ND		

1C) Chlorinated Paraffins

Internal method with reference to EPA 3510 and analyzed by ISO 18219-2:2021 Method for MCCP with GC-MS(NCI) or LC-MS/MS for MCCP & EPA 3510 and analyzed by ISO 18219-1:2021, ISO 12010:2019 Methods for SCCP with GC-MS(NCI)

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
MCCPs (C14-C17)	85535-85-9	500	500	500	ND		
SCCPs (C10-C13)	85535-84-8	25	25	25	ND		

1D) Chlorobenzenes and Chlorotoluenes

Internal method with reference to USEPA 8260D, 8270E, Purge and Trap, Head Space
Dichloromethane extraction followed by GC-MS

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
1,2-dichlorobenzene	95-50-1	0.2	0.2	0.2	ND		
Other isomers of mono-, di-, tri-, tetra-, penta-, and hexa- chlorobenzene and mono-, di-, tri-, tetra-, and penta- chlorotoluene	Multiple 108-90-7, 541-73-1, 106-46-7, 87-61-6, 120-82-1, 108-70-3, 634-66-2, 634-90-2, 95-94-3, 608-93-5, 118-74-1, 95-49-8, 108-41-8, 106-43-4, 32768-54-0, 95-73-8, 19398-61-9, 118-69-4, 95-75-0, 25186-47-4, 7359-72-0, 2077-46-5, 6639-30-1, 23749-65-7, 21472-86-6, 1006-32-2, 875-40-1, 1006-31-1, 877-11-2	0.2	0.2	0.2	ND		

1E) Chlorophenols

Internal method with reference to USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS
BS EN 12673-1999 the procedure of solvent extraction and derivatisation are included

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
2-chlorophenol	95-57-8	0.5	0.5	0.5	ND		
2,3-dichlorophenol	576-24-9	0.5	0.5	0.5	ND		
2,3,4-trichlorophenol	15950-66-0	0.5	0.5	0.5	ND		
2,3,5-trichlorophenol	933-78-8	0.5	0.5	0.5	ND		
2,3,6-trichlorophenol	933-75-5	0.5	0.5	0.5	ND		
2,4-dichlorophenol	120-83-2	0.5	0.5	0.5	ND		
2,4,5-trichlorophenol	95-95-4	0.5	0.5	0.5	ND		
2,4,6-trichlorophenol	88-06-2	0.5	0.5	0.5	ND		
2,5-dichlorophenol	583-78-8	0.5	0.5	0.5	ND		
2,6-dichlorophenol	87-65-0	0.5	0.5	0.5	ND		
3-chlorophenol	108-43-0	0.5	0.5	0.5	ND		
3,4-dichlorophenol	95-77-2	0.5	0.5	0.5	ND		
3,4,5-trichlorophenol	609-19-8	0.5	0.5	0.5	ND		
3,5-dichlorophenol	591-35-5	0.5	0.5	0.5	ND		
4-chlorophenol	106-48-9	0.5	0.5	0.5	ND		
Pentachlorophenol (PCP)	87-86-5	0.5	0.5	0.5	ND		
2,3,5,6-tetrachlorophenol	935-95-5	0.5	0.5	0.5	ND		
2,3,4,6-tetrachlorophenol	58-90-2	0.5	0.5	0.5	ND		
2,3,4,5-tetrachlorophenol	4901-51-3	0.5	0.5	0.5	ND		

1F) N,N-di-methylformamide (DMFa)

Internal method with reference to EPA 8015, EPA 8270E

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	Sample & report	1000	ND		

1G) Dyes - Carcinogenic or Equivalent Concern

Internal method with reference to DIN 54231

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	500	500	500	ND		
C.I. Acid Red 26	3761-53-3	500	500	500	ND		
C.I. Acid Violet 49	1694-09-3	500	500	500	ND		
C.I. Basic Blue 26 with Michler's Ketone >0.1%	2580-56-5	500	500	500	ND		
C.I. Basic Green 4 (Malachite Green Chloride)	569-64-2	500	500	500	ND		
C.I. Basic Green 4 (Malachite Green Oxalate)	2437-29-8	500	500	500	ND		
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	500	500	ND		
C.I. Basic Red 9	569-61-9	500	500	500	ND		
C.I. Basic Violet 14	632-99-5	500	500	500	ND		
C.I. Direct Black 38	1937-37-7	500	500	500	ND		
C.I. Direct Blue 6	2602-46-2	500	500	500	ND		
C.I. Direct Red 28	573-58-0	500	500	500	ND		
C.I. Disperse Blue 1	2475-45-8	500	500	500	ND		
C.I. Disperse Blue 3	2475-46-9	500	500	500	ND		
C.I. Disperse Orange 11	82-28-0	500	500	500	ND		

1H) Dyes - Disperse (Allergenic)

Internal method with reference to DIN 54231

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Disperse Blue 102	12222-97-8	50	NA	50	ND		
Disperse Blue 106	12223-01-7	50	NA	50	ND		
Disperse Blue 124	61951-51-7	50	NA	50	ND		
Disperse Blue 26	3860-63-7	50	NA	50	ND		
Disperse Blue 35	12222-75-2	50	NA	50	ND		
Disperse Blue 35	56524-77-7	50	NA	50	ND		
Disperse Blue 7	3179-90-6	50	NA	50	ND		
Disperse Brown 1	23355-64-8	50	NA	50	ND		
Disperse Orange 1	2581-69-3	50	NA	50	ND		
Disperse Orange 3	730-40-5	50	NA	50	ND		
Disperse Orange 37/59/76	13301-61-6	50	NA	50	ND		
Disperse Red 1	2872-52-8	50	NA	50	ND		
Disperse Red 11	2872-48-2	50	NA	50	ND		
Disperse Red 17	3179-89-3	50	NA	50	ND		
Disperse Yellow 1	119-15-3	50	NA	50	ND		
Disperse Yellow 3	2832-40-8	50	NA	50	ND		
Disperse Yellow 39	12236-29-2	50	NA	50	ND		
Disperse Yellow 49	54824-37-2	50	NA	50	ND		
Disperse Yellow 9	6373-73-5	50	NA	50	ND		

1I) Dyes - Navy Blue Colourant

Internal method with reference to BV In house method

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Component 1: C39H23Cl-CrN7O12S 2Na Component 2: C46H-30CrN10O20S2 3Na	118685-33-9 Not allocated	NA	NA	NA	NA		

1J) Flame Retardants

Internal method with reference to ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS or LC-MS & Determined as total boron via ICP, ISO 17294

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Boric acid	10043-35-3, 11113-50-1	500	500	500	ND		
Diboron trioxide	1303-86-2	500	500	500	ND		
Disodium octaborate	12008-41-2	500	500	500	ND		
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4	500	500	500	ND		
Tetraboron disodium heptaoxide, hydrate	12267-73-1	500	500	500	ND		
Hexabromocyclodecane (HBCDD)	3194-55-6	25	25	25	ND		
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	25	25	ND		
Polybromobiphenyls (PBB)	59536-65-1	25	25	25	ND		
Monobromobiphenyls (MonoBB)	Multiple	25	25	25	ND		
Monobromodiphenylethers (MonoBDEs)	Multiple	25	25	25	ND		
Dibromobiphenyls (DiBB)	Multiple	25	25	25	ND		
Dibromopropylether	21850-44-2	25	25	25	ND		
Tribromodiphenylethers (TriBDEs)	Multiple	25	25	25	ND		
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	25	25	ND		
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	25	25	ND		
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	25	25	ND		
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	25	25	ND		
Octabromobiphenyls (OctaBB)	Multiple	25	25	25	ND		
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	25	25	ND		
Nonabromobiphenyls (NonaBB)	Multiple	25	25	25	ND		
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	25	25	ND		
Decabromobiphenyl (DecaBB)	13654-09-6	25	25	25	ND		
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	25	25	ND		
Tetrabromobisphenol A (TBBPA)	79-94-7	25	25	25	ND		
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	25	25	25	ND		
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	25	25	ND		
Tris(1-aziridinyl) phosphine oxide (TEPA)	545-55-1	25	25	25	ND		
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	25	25	ND		
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	25	25	ND		
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	25	25	ND		

Footnote for boron flame retardant: Limit refers to the total elemental boron via ICP. If the total elemental boron content is higher than 500 µg/L, then all five boron flame retardant are non-conformant.

1K) Glycols / Glycol Ethers

Internal method with reference to USEPA 8270E

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
2-ethoxyethanol	110-80-5	50	50	50	ND		
2-ethoxyethyl acetate	111-15-9	50	50	50	ND		
2-methoxyethanol	109-86-4	50	50	50	ND		
2-methoxyethylacetate	110-49-6	50	50	50	ND		
2-methoxypropylacetate	70657-70-4	50	50	50	ND		
Bis(2-methoxyethyl)-ether	111-96-6	50	50	50	ND		
Ethylene glycol dimethyl ether	110-71-4	50	50	50	ND		
Triethylene glycol dimethyl ether	112-49-2	50	50	50	ND		

1L) Halogenated Solvents

Internal method with reference to USEPA 8260D

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
1,2-dichloroethane	107-06-2	1	1	1	ND		
Methylene chloride	75-09-2	1	1	1	ND		
Tetrachloroethylene	127-18-4	1	1	1	ND		
Trichloroethylene	79-01-6	1	1	1	ND		

1M) Organotin Compounds

Internal method with reference to ISO 17353

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Dipropyltin compounds (DPT)	Multiple 867-36-7	0.01	0.01	0.01	ND		
Mono, di-, and tri-butyltin derivatives	Multiple 1118-46-3, 1461-22-9	0.01	0.01	0.01	ND		
Mono, di-, and tri-methyltin derivatives	Multiple 993-16-8, 753-73-1, 1066-45-1	0.01	0.01	0.01	ND		
Mono, di-, and tri-octyltin derivatives	Multiple 3091-25-6, 3542-36-7, 2587-76-0	0.01	0.01	0.01	ND		
Mono, di-, and tri-phenyltin derivatives	Multiple 1124-19-2, 1135-99-5, 639-58-7	0.01	0.01	0.01	ND		
Tetraethyltin compounds (TeBT)	Multiple 1461-25-2	0.01	0.01	0.01	ND		
Tetraethyltin compounds (TeET)	Multiple 597-64-8	0.01	0.01	0.01	ND		
Tetraoctyltin compounds (TeOT)	Multiple 3590-84-9	0.01	0.01	0.01	ND		
Tricyclohexyltin (TCyHT)	Multiple 3091-32-5	0.01	0.01	0.01	ND		
Tripropyltin compounds (TPT)	Multiple 2279-76-7	0.01	0.01	0.01	ND		

1N) Other / Miscellaneous Chemicals

AEEA: Liquid extraction, LC-MS/LCMSMS; Bisphenol A: Liquid extraction, LC-MS; Thiourea: Internal method with reference to ISO 13365-1:2020, EN 17134:2019, Liquid extraction, LC-MS; Quinoline: Internal method with reference to DIN 54231, Liquid extraction, LC-MS; Borate, zinc salt: Determined as total boron and total zinc via ICP with reference to ISO 17294-2

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	500	500	500	ND		
Bisphenol A	80-05-7	10	10	10	ND		
Borate (Borate, zinc salt)	12767-90-7	100	100	100	ND		
Zinc salt (Borate, zinc salt)		100	100	100	111		
Quinoline	91-22-5	50	50	50	ND		
Silica (particles of respirable size)	14464-46-1	NA	NA	NA	NA		
Thiourea	62-56-6	50	50	50	ND		

Footnote for borate, zinc salt: Limit refers to boron and zinc individually, not the salt. Total boron and total zinc values should be less than 100 µg/L to be conformant. When total boron is >100 µg/L and total zinc is <100 µg/L (or vice versa), the sample is still conformant.

**1O) Perfluorinated and Polyfluorinated Chemicals (PFCs)**

Internal method with reference to PFCs: EPA 537:2020, FTOH: EPA 8270

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
Perfluorooctane sulfonate (PFOS) and related substances	Multiple 1763-23-1	0.01	0.01	0.01	ND		
Perfluorooctanoic acid (PFOA) and related substances	Multiple 335-67-1	1	1	1	ND		

1P) Phthalates - including all other esters of ortho-phthalic acid

Internal method with reference to US EPA 8270D, ISO 18856 Dichloromethane extraction GC/MS

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP)	71888-89-6/ 84777-06-0	10	10	10	ND		
1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4/ 68515-50-4	10	10	10	ND		
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	10	10	10	ND		
Butyl benzyl phthalate (BBP)	85-68-7	10	10	10	ND		
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	10	10	ND		
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	10	10	ND		
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	10	10	ND		
Di-iso-butyl phthalate (DIBP)	84-69-5	10	10	10	ND		
Di-iso-nonyl phthalate (DINP)	28553-12-0	10	10	10	ND		
Di-n-hexyl phthalate (DnHP)	84-75-3	10	10	10	ND		
Di-n-octyl phthalate (DNOP)	117-84-0	10	10	10	ND		
Di-n-pentylphthalates	131-18-0	10	10	10	ND		
Di-n-propyl phthalate (DPRP)	131-16-8	10	10	10	ND		
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	10	10	ND		
Dibutyl phthalate (DBP)	84-74-2	10	10	10	ND		
Diethyl phthalate (DEP)	84-66-2	10	10	10	ND		
Diisopentylphthalates	605-50-5	10	10	10	ND		
Dinonyl phthalate (DNP)	84-76-4	10	10	10	ND		

1Q) Polycyclic Aromatic Hydrocarbons (PAHs)

Internal method with reference to US EPA 8270 DIN 38407-39 Solvent extraction GC/MS

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
Acenaphthene	83-32-9	1	1	1	ND		
Acenaphthylene	208-96-8	1	1	1	ND		
Anthracene	120-12-7	1	1	1	ND		
Benzo[a]anthracene	56-55-3	1	1	1	ND		
Benzo[a]pyrene	50-32-8	1	1	1	ND		
Benzo[b]fluoranthene	205-99-2	1	1	1	ND		
Benzo[e]pyrene	192-97-2	1	1	1	ND		
Benzo[ghi]perylene	191-24-2	1	1	1	ND		
Benzo[j]fluoranthene	205-82-3	1	1	1	ND		
Benzo[k]fluoranthene	207-08-9	1	1	1	ND		
Chrysene	218-01-9	1	1	1	ND		
Dibenz[a,h]anthracene	53-70-3	1	1	1	ND		
Fluoranthene	206-44-0	1	1	1	ND		
Fluorene	86-73-7	1	1	1	ND		
Indeno[1,2,3-cd]pyrene	193-39-5	1	1	1	ND		
Naphthalene	91-20-3	1	1	1	ND		
Phenanthrene	85-01-8	1	1	1	ND		
Pyrene	129-00-0	1	1	1	ND		

1R) Restricted Aromatic Amines (Cleavable from Azo-colourants)

Internal method with reference to EN 14362-1, EN ISO 14362-3

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
2-naphthylamine	91-59-8	0.1	0.1	0.1	ND		
2-naphthylammoniumacetate	553-00-4	0.1	0.1	0.1	ND		
2,4-xylidine	95-68-1	0.1	0.1	0.1	ND		
2,4,5-trimethylaniline	137-17-7	0.1	0.1	0.1	ND		
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	0.1	0.1	ND		
2,6-xylidine	87-62-7	0.1	0.1	0.1	ND		
3,3'-dichlorobenzidine	91-94-1	0.1	0.1	0.1	ND		
3,3-dimethoxybenzidine	119-90-4	0.1	0.1	0.1	ND		
3,3-dimethylbenzidine	119-93-7	0.1	0.1	0.1	ND		
4-aminoazobenzene	60-09-3	0.1	0.1	0.1	ND		
4-aminodiphenyl	92-67-1	0.1	0.1	0.1	ND		
4-chloro-o-toluidine	95-69-2	0.1	0.1	0.1	ND		
4-chloro-o-toluidinium chloride	3165-93-3	0.1	0.1	0.1	ND		
4-chloroaniline	106-47-8	0.1	0.1	0.1	ND		
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	0.1	0.1	ND		
4-methoxy-m-phenylenediamine	615-05-4	0.1	0.1	0.1	ND		
4-methyl-m-phenylenediamine	95-80-7	0.1	0.1	0.1	ND		
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	0.1	0.1	0.1	ND		
4,4-methylenedi-o-toluidine	838-88-0	0.1	0.1	0.1	ND		
4,4-methylenedianiline	101-77-9	0.1	0.1	0.1	ND		
4,4-oxydianiline	101-80-4	0.1	0.1	0.1	ND		
4,4-thiodianiline	139-65-1	0.1	0.1	0.1	ND		
5-nitro-o-toluidine	99-55-8	0.1	0.1	0.1	ND		
6-methoxy-m-toluidine	120-71-8	0.1	0.1	0.1	ND		
Benzidine	92-87-5	0.1	0.1	0.1	ND		
o-aminoazotoluene	97-56-3	0.1	0.1	0.1	ND		
o-anisidine	90-04-0	0.1	0.1	0.1	ND		
o-toluidine	95-53-4	0.1	0.1	0.1	ND		

1S) UV Absorbers

Internal method with reference to USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B. Dichloromethane extraction GC-MS

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw 1001		
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	100	100	ND		
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	100	100	ND		
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	100	100	100	ND		
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	100	100	ND		

1T) Volatile Organic Compounds (VOC)

Internal method with reference to ISO 11423-1 Headspace or Purge and trap GC-MS USEPA 8260D Add ISO 20595 Static headspace for determination of VOC in wastewater for Benzene & Xylene; ISO 11423-1 Headspace or Purge and trap GC-MS EPA 8270 BS EN 12673-1999 for m-cresol, o-cresol, p-cresol; HJ 1067 or EPA 8260D or ISO 11423-1 for Toluene

Test Parameters	CAS Number	Limit Value			Result (µg/L)		
		Textile	Leather	RL	Raw I001		
Benzene	71-43-2	1	1	1	ND		
m-cresol	108-39-4	1	1	1	ND		
o-cresol	95-48-7	1	1	1	ND		
p-cresol	106-44-5	1	1	1	ND		
Toluene	108-88-3	1	1	1	ND		
Xylene	1330-20-7	1	1	1	ND		

2) Heavy Metals

Internal method with reference to ISO 17294; USEPA 200.7; USEPA 200.8; USEPA 6010C; USEPA 6020A; USEPA 6020B; USEPA 3015A and Chromium (VI): USEPA 218.6, EN ISO 18412

Test Parameters	CAS Number	Parameter Limit Value								Result		Unit
		Textile			Leather			Legal Limit #	RL			
		Foundational	Progressive	Aspirational	Foundational	Progressive	Aspirational					
										Effluent-1 I002	Effluent-2 I002	
Antimony	7440-36-0	0.1	0.05	0.01	0.1	0.05	0.01	-	0.01	ND	ND	mg/L
Chromium (VI)	18540-29-9	0.05	0.005	0.001	0.15	0.05	0.02	-	0.001	ND	ND	mg/L
Barium	7440-39-3	Sample & report			Sample & report			-	1	ND	ND	mg/L
Selenium	7782-49-2	Sample & report			Sample & report			-	1	ND	ND	mg/L
Tin	7440-31-5	Sample & report			Sample & report			-	1	ND	ND	mg/L
Arsenic	7440-38-2	0.05	0.01	0.005	0.05	0.01	0.005	-	0.005	ND	ND	mg/L
Total Chromium	-	0.2	0.1	0.05	1.5	0.8	0.3	0.5	0.05	ND	ND	mg/L
Cobalt	7440-48-4	0.05	0.02	0.01	0.05	0.02	0.01	0.5	0.01	ND	ND	mg/L
Cadmium	7440-43-9	0.1	0.05	0.01	0.1	0.05	0.01	0.02	0.01	ND	ND	mg/L
Copper	7440-50-8	1	0.5	0.25	1	0.5	0.25	-	0.25	ND	ND	mg/L
Lead	7439-92-1	0.1	0.05	0.01	0.1	0.05	0.01	0.1	0.01	ND	ND	mg/L
Nickel	7440-02-0	0.2	0.1	0.05	0.2	0.1	0.05	1	0.05	ND	ND	mg/L
Silver	7440-22-4	0.1	0.05	0.005	0.1	0.05	0.005	-	0.005	ND	ND	mg/L
Zinc	7440-66-6	5	1	0.5	5	1	0.5	-	0.5	ND	ND	mg/L
Mercury	7439-97-6	0.01	0.005	0.001	0.01	0.005	0.001	-	0.001	ND	ND	mg/L
Manganese	-	Sample & report			Sample & report			-	1	ND	ND	mg/L

3) Conventional Parameters and Anions

Test Parameters	CAS Number	Parameter Limit Value								Result		Unit
		Textile			Leather			Legal Limit #	RL			
		Foundational	Progressive	Aspirational	Foundational	Progressive	Aspirational			Effluent-1 I002	Effluent-2 I002	
pH	ISO 10523, EPA 150.2 & APHA 4500-H+	6-9			6-9			6-9	NA	7.61	7.47	pH
Temperature difference	USEPA 170.1 or GB/T 13195	Δ+15	Δ+10	Δ+5	Δ+15	Δ+10	Δ+5	The temperature of the resevoir shall not be more than 5 °C	NA	NA	NA	°C
E.coli	APHA 9221 B,F	126 MPN/100-ml			126 MPN/100-ml			-	1.8	10	ND	MPN/ 100-ml
Colour (436 nm)	ISO 7887: 2011(E), B	7	5	2	7	5	2	-	NA	1.2	1.1	m-1
Colour (525 nm)		5	3	1	5	3	1	-	NA	0.9	0.6	
Colour (620 nm)		3	2	1	3	2	1	-	NA	0.8	0.5	
Persistent foam	Visual estimation	No indication of persistent foam in receiving water			No indication of persistent foam in receiving water			-	NA	Absent	Absent	-
Wastewater flowrate	-	15 m³/day			15 m³/day			-	NA	1,008.00	1,467.36	m³/day
Ammonium-Nitrogen	APHA-4500-NH3 B&F	10	1	0.5	15	10	1	-	0.5	ND	ND	mg/L
AOX	EN ISO 9562 (Mod.)	3	0.5	0.1	3	0.5	0.1	-	0.1	0.37	0.42	mg/L
BOD ₅	APHA 5210B & HJ 505 (5 days)	30	15	8	50	30	20	30	8	14.8	14	mg/L
COD	APHA 5220 D	150	80	40	250	150	100	200	40	69	47	mg/L
DO	Hach manual for LDO & In-house	≥ 4			≥ 4			-	-	6.25	6.18	mg/L
Oil & Grease	EPA 1664B & APHA 5520 B & F	10	2	0.5	20	10	5	10	0.5	1.6	1.7	mg/L

3) Conventional Parameters and Anions (continued)

Test Parameters	CAS Number	Parameter Limit Value								Result		Unit
		Textile			Leather			Legal Limit #	RL			
		Foundational	Progressive	Aspirational	Foundational	Progressive	Aspirational					
								Effluent-1 I002	Effluent-2 I002			
Total Phenols / Phenol Index	APHA 5530 C	0.5	0.01	0.001	0.5	0.3	0.1	1	0.001	0.002	0.002	mg/L
Total Chlorine	ISO 7393-2, EPA 330.5 or HJ 586	1			1			-	1	ND	ND	mg/L
TDS	APHA 2540C	Sample & report			Sample & report			2100	5	1166	736	mg/L
Total Nitrogen	DIN EN ISO 11905-1 (Mod.)	20	10	5	35	20	10	-	5	8.4	9.8	mg/L
Total Phosphorus	APHA 4500-P; E	3	0.5	0.1	3	1	0.5	-	0.1	0.44	0.48	mg/L
TSS	APHA 2540D, GB 11901, ISO 11923	50	15	5	70	50	20	100	5	8	14	mg/L
Chloride	APHA 4500-Cl	Sample & report			Sample & report			-	1	1	15	mg/L
Cyanide, total	APHA-4500-CN. C&E, EPA 9010C, 9013 & 9014	0.2	0.1	0.05	NA	NA	NA	-	0.05	ND	ND	mg/L
Sulphate	APHA 4500-SO4-E	Sample & report			Sample & report			-	3	20.79	22.94	mg/L
Sulphide	APHA 4500-S2-D	0.5	0.05	0.01	1	0.5	0.2	2	0.01	0.11	0.1	mg/L
Sulphite	EPA 377.1 & APHA 4500-SO3 2-B	2	0.5	0.2	2	0.5	0.2	-	0.2	0.5	0.5	mg/L



4A) Sludge - AP & APEOs

Sludge Disposal Pathway = C

Internal method with reference to NP/OP: ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS))
 OPEO/NPEO (n>2): ISO 18857-2

Test Parameters	CAS Number	Limit Value			Result		Unit
		Textile	Leather	RL	Sludge 1003		
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	0.4	0.4	0.4	ND		mg/kg
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	0.4	0.4	0.4	ND		mg/kg
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	0.4	0.4	0.4	ND		mg/kg
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	0.4	0.4	0.4	ND		mg/kg

4A) Sludge - PAHs

Sludge Disposal Pathway = C

Internal method with reference to US EPA 8270 DIN 38407-39 Solvent extraction GC/MS

Test Parameters	CAS Number	Limit Value			Result		Unit
		Textile	Leather	RL	Sludge 1003		
Acenaphthene	83-32-9	0.2	0.2	0.2	ND		mg/kg
Acenaphthylene	208-96-8	0.2	0.2	0.2	ND		mg/kg
Anthracene	120-12-7	0.2	0.2	0.2	ND		mg/kg
Benzo[a]anthracene	56-55-3	0.2	0.2	0.2	ND		mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	0.2	0.2	ND		mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	0.2	0.2	ND		mg/kg
Benzo[e]pyrene	192-97-2	0.2	0.2	0.2	ND		mg/kg
Benzo[ghi]perylene	191-24-2	0.2	0.2	0.2	ND		mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	0.2	0.2	ND		mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	0.2	0.2	ND		mg/kg
Chrysene	218-01-9	0.2	0.2	0.2	ND		mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	0.2	ND		mg/kg
Fluoranthene	206-44-0	0.2	0.2	0.2	ND		mg/kg
Fluorene	86-73-7	0.2	0.2	0.2	ND		mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	0.2	0.2	ND		mg/kg
Naphthalene	91-20-3	0.2	0.2	0.2	ND		mg/kg
Phenanthrene	85-01-8	0.2	0.2	0.2	ND		mg/kg
Pyrene	129-00-0	0.2	0.2	0.2	ND		mg/kg

4A) Sludge - Chlorotoluenes

Sludge Disposal Pathway = C

Internal method with reference to USEPA 8260D, 8270E, Purge and Trap, Head Space
 Dichloromethane extraction followed by GC-MS

Test Parameters	CAS Number	Limit Value			Result		Unit
		Textile	Leather	RL	Sludge 1003		
Other isomers of mono-, di-, tri-, tetra-, and penta-chlorotoluene	Multiple 95-49-8, 108-41-8, 106-43-4, 32768-54-0, 95-73-8, 19398-61-9, 118-69-4/ 95-75-0/ 25186-47-4/ 7359-72-0/ 2077-46-5/ 6639-30-1/ 23749-65-7/ 1006-32-2/ 875-40-1/ 877-11-2	0.2	0.2	0.2	ND		mg/kg



4B) Sludge - Metals

Sludge Disposal Pathway = C

Internal method with reference to USEPA 218.6, EN ISO 18412, USEPA 3060A, USEPA 7196, Chromium VI: EPA 6020B, EPA 6010D, EPA 3050, USEPA 200.7, USEPA 200.8, USEPA 6010c, USEPA 6020a, Others metal: EPA 7471b, USEPA 6020B, Mercury: USEPA 3015A

Test Parameters	CAS Number	Limit Value			Threshold Values	Maximum Total Metals Limit Pathway G	Result		Unit
		Textile	Leather	RL			Sludge 1003		
Antimony	7440-36-0	5	NA	1	12	NA	NA		mg/kg
Arsenic	7440-38-2	5	2	1	10	41	NA		mg/kg
Barium	7440-39-3	200	NA	1	700	NA	NA		mg/kg
Cadmium	7440-43-9	1	2	1	3	39	NA		mg/kg
Cobalt	7440-48-4	400	NA	1	1600	NA	NA		mg/kg
Copper	7440-50-8	50	NA	1	200	1500	NA		mg/kg
Lead	7439-92-1	5	2	1	10	400	NA		mg/kg
Nickel	7440-02-0	20	NA	1	70	420	NA		mg/kg
Selenium	7782-49-2	5	NA	4	10	36	NA		mg/kg
Silver	7440-22-4	50	NA	1	100	NA	NA		mg/kg
Zinc	7440-66-6	400	NA	4	1000	2800	NA		mg/kg
Total Chromium	-	50	NA	1	100	1200	NA		mg/kg
Chromium (VI)	18540-29-9	20	2	0.4	50	50	NA		mg/kg
Mercury	7439-97-6	1	0.2	0.02	1	17	NA		mg/kg

4B) Sludge Leachate - Metals

Sludge Disposal Pathway = C

Internal method with reference to leachate Preparation: USEPA 1311, Leachate Analysis: USEPA 7196 For Chromium (VI) & Acid Digestion EPA EPA 3051A; Analysis: USEPA 200.7, USEPA 200.8, USEPA 6010c & USEPA 6020a (Others Metal)

Test Parameters	CAS Number	Leachate Limit Value							RL	Result		Unit
		Disposal Pathway								Leachate -		
		A	B	C	D	E	F	G				
Antimony	7440-36-0	NA	NA	NA	7.8	0.6	0.6	0.6	0.6	NA		mg/L
Arsenic	7440-38-2	NA	NA	NA	2.75	0.5	0.5	0.5	0.5	NA		mg/L
Barium	7440-39-3	NA	NA	NA	67.5	35	35	35	35	NA		mg/L
Cadmium	7440-43-9	NA	NA	NA	0.58	0.15	0.15	0.15	0.15	NA		mg/L
Cobalt	7440-48-4	NA	NA	NA	80	80	80	80	80	NA		mg/L
Copper	7440-50-8	NA	NA	NA	17.5	10	10	10	10	NA		mg/L
Lead	7439-92-1	NA	NA	NA	2.75	0.5	0.5	0.5	0.5	NA		mg/L
Nickel	7440-02-0	NA	NA	NA	11.75	3.5	3.5	3.5	3.5	NA		mg/L
Selenium	7782-49-2	NA	NA	NA	0.75	0.5	0.5	0.5	0.5	NA		mg/L
Silver	7440-22-4	NA	NA	NA	5	5	5	5	5	NA		mg/L
Zinc	7440-66-6	NA	NA	NA	50	50	50	50	50	NA		mg/L
Total Chromium	-	NA	NA	NA	5	5	5	5	5	NA		mg/L
Chromium (VI)	18540-29-9	NA	NA	NA	3.75	2.5	2.5	2.5	2.5	NA		mg/L
Mercury	7439-97-6	NA	NA	NA	0.125	0.05	0.05	0.05	0.05	NA		mg/L



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4C) Sludge - Conventional Parameters and Anions

Sludge Disposal Pathway = C

Test Parameters	Test Method	Limit Value							RL	Result		Unit
		Disposal Pathway								Sludge 1003		
		A	B	C	D	E	F	G				
pH	EPA SW 9045D	NA	NA	NA	5-11	5-11	6.5-9	6.5-9	NA	NA		-
Fecal Coliform	APHA 9221. B, E	NA	NA	NA	NA	NA	<1000	<1000	1.8	NA		MPN/100 m
% Solids	EPA 160.3, HJ613 at 105 degree C	Sample & report	Sample & report	Sample & report	Sample & report	Sample & report	Sample & report	Sample & report	NA	66.4		%
Paint Filter Test	EPA 9095B	NA	NA	NA	Pass	Pass	Pass	Pass	NA	NA		-
Cyanide	APHA-4500-CN. C&E, EPA 9010C, 9013 & 9014	NA	NA	NA	85	70	70	70	0.5	NA		mg/kg

Appendix A - Discharge limit according to regulation

[Environmental Conservation Rules' 2023 (Bangladesh): For Dyeing / Washing and Printing [Schedule 5 (2)]:

Sl No.	Test Parameters For Wastewater	Unit	Limitation Value of Legal Requirements (ECR)
1	Temperature	°C	The temperature of the reservoir shall not be more than 5 °C
2	TSS	mg/L	100
3	COD	mg/L	200
4	pH	Range	6-9
5	Color	Pt-Co	150
6	BOD5	mg/L	30
7	Oil and Grease	mg/L	10
8	Phenol / Phenol Index	mg/L	1
9	Sulfide	mg/L	2
10	Total Dissolved Solids	mg/L	2100
11	Chromium, total	mg/L	0.5
12	Cobalt	mg/L	0.5
13	Nickel	mg/L	1
14	Cadmium	mg/L	0.02
15	Lead	mg/L	0.1

Appendix B - Photos of sampling points and samples

Untreated Wastewater-(Raw) - Photo of Sampling Point
04/04/2026; 09:47



Untreated Wastewater (Raw) - Photo of Sample (Labelled Sample Bottle)
04/04/2026; 15:59



Appendix B - Photos of sampling points and samples (continued)

Discharged Wastewater (Effluent-1) - Photo of Sampling Point
04/04/2026; 09:42



Discharged Wastewater(Effluent-1) - Photo of Sample (Labelled Sample Bottle)
04/04/2026; 15:58



Discharged Wastewater(Effluent-1) - Photo of Persistent Foam
04/04/2026; 09:42



Appendix B - Photos of sampling points and samples (continued)

Sludge - Photo of Sampling Point
04/04/2026; 11:15



Sludge - Photo of Sample (Labelled Sample Bottle)
04/04/2026; 15:47



Appendix B - Photos of sampling points and samples (continued)

Discharged Wastewater (Effluent-2) - Photo of Sampling Point
04/04/2026; 09:44



Discharged Wastewater(Effluent-2) - Photo of Sample (Labelled Sample Bottle)
04/04/2026; 15:59



Discharged Wastewater(Effluent-2) - Photo of Persistent Foam
04/04/2026; 09:44



Appendix C - Field Data Form

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration		CPSD-AN-00613-DATA 07 Issue Date: February 20, 2024 Version No.: 1 Business Line: Analytical	
Act on the completed field data form as the test report Facility Information			
Date of Sampling:	09.09.2026		
Sample Number (ZDHC Composite Sample Code):	I-001; I-002; I-003		
Facility Name:	Iris Fabrics Ltd.		
Facility Address:	Zirani Bazar, Kashimpur, Gazipur.		
Facility Type (tick all applicable):	☒ Dyeing and Finishing ☐ Laundry, Washing and Finishing ☒ Printing ☐ Other (please specify) ☐ Fabric Mill ☐ Natural Leather processing ☐ Synthetic Leather processing		
Discharge Type (tick applicable):	☒ Direct discharge ☐ Indirect discharge ☐ Zero liquid discharge (ZLD)	☐ with pre-treatment ☐ without pre-treatment ☒ with own ETP	Other Notes:
Discharge Description:	☒ Discharge to environment (e.g. river, stream, sea etc.) ☐ Sewage treatment plant ☐ Other (please specify)		
Discharge Volume:	☒ $\geq 15\text{m}^3$ per day ☐ $< 15\text{m}^3$ per day		
Sample Type and Details			
Sample Type	Sample Details		
Incoming Water			
Treated WW	☒ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): 18 HRT = volume of tank (m³) / flow rate (m³/h) if HRT > 12 h, grab sampling from EQT is allowed		
Effluent	☒ Direct ☐ Indirect Enter sampling time(s) in page 2. No field test measurements required except on client's request. ☐ Facility has WWTP ☐ Plant is in operating condition		
Sludge	☒ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): = volume of tank (m³) / flow rate (m³/h) if HRT > 12 h, grab sampling from EQT is allowed Disposal Pathway (The pathway must be defined by the facility. If the facility cannot provide information, pathway "F" shall be assumed.) ☐ A: $>1000^\circ\text{C}$ outside incineration ☐ B: Landfill with significant control ☒ C: Building products processed $>1000^\circ\text{C}$ ☐ D: Landfill with limited control ☐ E: Incineration/ Building products processed $<1000^\circ\text{C}$ ☐ F: Landfill with no control ☐ G: Land application Sludge flux (weight/time) if applicable:		
ZDHC Wastewater Sampling - Facility Confirmation			
The wastewater samples have been collected under the facilities' normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples. Sampling protocol for wastewater and sludge samples are in accordance with ZDHC SAP including appendix E. In no circumstances shall samples be taken during times when the production process is not running or the wastewater is diluted, for example due to heavy rainfall.			
Facility Confirmation		Sampler Information	
Facility Name:	IRIS Fabrics Ltd.	Sampler's Name/ Email:	Asad Hosain.
Facility Representative Name:	Sagar Banik	Sampler's ZDHC Accredited No.:	C79D106817496
Facility Representative Signature and Stamp:		Sampler's Signature:	
Date:	09.09.26	Date:	09.09.26



DEPARTMENT OF WATER AND SANITATION
REPUBLIC OF SOUTH AFRICA

Report Number: (6826)095-0218

Appendix C - Field Data Form (continued)

E.T.1-2

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration										CPSD-AN-00613-DATA 07	
										Issue Date:	
										Version No.: 1	
										Business Line: Analytical	
ZDHC Wastewater Flow Device Dimensions											
Measurement (mm)	Meter		Pipe (O)		Flume (U)		Wier (V)				
Diameter	--		--		--		--				
Depth	--		--		--		--				
ZDHC Wastewater Sampling Field Testing QA/QC											
Parameter	Lab Control Sample (LCS) Known				Lab Control Sample (LCS) Measured				Accuracy (%)		
pH											
Total Chlorine											
ZDHC Wastewater Sample Collection Field Test Measurements											
Incoming Sample Point		☒ Composite Sample		☐ Grab Sample		Start Time		Stop Time			
Sampling Location		GPS coordinates		Lat N/S		Long. E/W					
Sampling Mode		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner							
Sampling Time (Hours)		0		1		2		3		4	
Recording time of discrete sample		0:47		10:47		11:47		12:47		13:47	
Colour (visual estimation)		Reddish		Reddish		Black		Black		Black	
Untreated Sample Point		☒ Composite Sample		☐ Grab Sample		Start Time 9:30		Stop Time 16:10			
Sampling Location		GPS coordinates		Lat N/S 23.999116		Long. E/W 90.2516838					
Sampling Mode		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner							
Sampling Time (Hours)		0		1		2		3		4	
Recording time of discrete sample		9:47		10:47		11:47		12:47		13:47	
Colour (visual estimation)		Reddish		Reddish		Black		Black		Reddish	
Effluent Sample Point		☒ Composite Sample		☐ Grab Sample		Start Time 9:30		Stop Time 16:10			
Sampling Location		GPS coordinates		Lat N/S 23.999116		Long. E/W 90.2516838					
Sampling Mode		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner							
Sampling Time (Hours)		0		1		2		3		4	
Recording time of discrete sample		9:42		10:42		11:42		12:42		13:42	
Temperature (°C)		33.6		33.8		33.6		33.4		33.6	
pH		7.5		7.6		7.6		7.8		7.9	
Dissolved Oxygen (mg/L)		6.0		6.4		6.2		6.3		6.9	
Total Chlorine (mg/L)		0.1		0.1		0.1		0.1		0.1	
Effluent Flow Meter		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No	
Wastewater Flow Meter		m ³ /hr 12		40		44		46		40	
Average Measured Flow		1		1		1		1		1	
Colour (visual estimation)		Brown		Brown		Brown		Brown		Brown	
Volume collected - m ³		24x143		24x143		24x143		24x143		24x143	
Total volume collected - m ³		24024 m ³		24024 m ³		24024 m ³		24024 m ³		24024 m ³	
Sludge Sample Point		☒ Composite Sample		☐ Grab Sample		Start Time 9:30		Stop Time 16:10			
Sampling Location		GPS coordinates		Lat N/S 24.050499		Long. E/W 90.2519259					
Sampling Mode		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner							
Sampling Time (Hours)		0		1		2		3		4	
Recording time of discrete sample		11:55		11:55		11:55		11:55		11:55	
Colour (visual estimation)		Black		solids							
Comments/ Other Observations											
2025 Total working day - 349 Per day 1008 m ³ /day Eee- Yes											
O-P- 12172 The receiving body is several kilometres away from the point of discharge and the facility is discharging the effluent into the receiving body through a Municipal Drain.											



Appendix C - Field Data Form (continued)

2-2

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration									
CPSD-AN-00613-DATA 07									
Issue Date:									
Version No.: 1									
Business Line: Analytical									
ZDHC Wastewater Flow Device Dimensions									
Measurement (cm)	Meter		Pipe (O)		Flume (U)		Wier (V)		
Diameter	--		--		--		--		
Depth	--		--		--		--		
ZDHC Wastewater Sampling Field Testing QA/QC									
Parameter	Lab Control Sample (LCS) Known				Lab Control Sample (LCS) Measured				Accuracy (%)
pH									
Total Chlorine									
ZDHC Wastewater Sample Collection Field Test Measurements									
Incoming Sample Point									
☐ Composite Sample ☐ Grab Sample									
Start Time: Stop Time:									
Sampling Locations: GPS coordinates: Lat: N / S Long: E / W									
Sampling Mode: ☐ Manual ☐ Autosampler - Sampling Device Description/ Owner:									
Sampling Time (Hours)									
0 1 2 3 4 5 6 Average									
Recording time of discrete sample									
Colour (visual estimation):									
Untreated Sample Point									
☐ Composite Sample ☐ Grab Sample									
Start Time: Stop Time:									
Sampling Locations: GPS coordinates: Lat: N / S 23° 09' 27.79" S Long: E / W 30° 05' 17.53" E									
Sampling Mode: ☐ Manual ☐ Autosampler - Sampling Device Description/ Owner:									
Sampling Time (Hours)									
0 1 2 3 4 5 6 Average									
Recording time of discrete sample									
Colour (visual estimation):									
Effluent Sample Point									
☒ Composite Sample ☐ Grab Sample									
Start Time: 9:30 Stop Time:									
Sampling Locations: GPS coordinates: Lat: N / S 23° 09' 27.79" S Long: E / W 30° 05' 17.53" E									
Sampling Mode: ☒ Manual ☐ Autosampler - Sampling Device Description/ Owner:									
Sampling Time (Hours)									
7:09 10:19 11:29 12:39 13:49 14:59 15:09 Average									
Recording time of discrete sample									
Temperature (°C)									
WVW Discharge 32.0 32.0 32.1 32.3 32.4 32.4 32.6 32.25									
Receiving Water N/A									
pH: 7.9 7.6 7.9 7.6 7.29 7.5 7.6 7.97									
Dissolved Oxygen (mg/L): 6.0 6.2 6.9 6.5 6.0 6.2 6.0 6.18									
Total Chlorine (mg/L): 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1									
Persistent Foam (Yes/ No): Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No									
Wastewater Flow Meter (L/min) m ³ /hr 60 62 64 64 60 68 50 61.14 24 H 3									
Alternate Measured Flow: Depth (cm) Velocity (cm/sec)									
Colour (visual estimation): Brownish Brownish Brownish Brownish Brownish Brownish Brownish									
Volume collected (L): ml 12x172 12x193 12x193 12x193 12x193 12x193 12x193									
Total volume collected (L) ml 12012 ml Collect 3.33-litres each hour for a total minimum volume of 20-litres									
Sludge Sample Point									
☐ Composite Sample ☐ Grab Sample									
Start Time: Stop Time:									
Sampling Locations: GPS coordinates: Lat: N / S Long: E / W									
Sampling Mode: ☐ Manual ☐ Autosampler - Sampling Device Description/ Owner:									
Sampling Time (Hours)									
0 1 2 3 4 5 6 Average									
Recording time of discrete sample									
Colour (visual estimation):									
Comments/ Other Observations									