TEST REPORT NO:	**1002283097 Rev.1**		**Apr. 25, 2024**
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Factory:	CTA APPARELS PVT. LTD.	**Sampling Date:**	Apr.02, 2024
Address:	UNIT-C 32, SECTOR 58, NOIDA Uttar Pradesh 201301, INDIA	**Laboratory Received Date:**	Apr.02, 2024
Contact Person:	/	**Test Date:**	Apr.02 -Apr,23,2024
Reference Testing Protocol:	ZDHC Wastewater Guidelines Version 2.1	**Laboratory Received Temperature:**	Untreated Wastewater: 6.8°C Effluent: 6.1°C Sludge: 7.6°C
Reference Sample Handling Method:	ZDHC Sampling and Analysis Plan (SAP) Version 2.1	**Sampling Time (Untreated Wastewater/ Effluent):**	Composite-11.10 am-5:10 pm
Buyer Name:	/	**Sampling Time Sludge:**	Single Grab: 12.10 pm
Sampler accreditation certification number (ZDHC):	C74D106817539	**Discharge Method:**	Indirect Discharge with Pretreatment
Sludge Disposal Pathway:	E – Offsite Incineration and Building Products Processed at <1000^{0}C	**Sample Collected By:**	UL INDIA PRIVATE LIMITED.

Sample Information:

Sample ID	Description	Equivalent Code / Color
001	Untreated Wastewater	Lt.Grey Water As Composite Sampling
002	Effluent Wastewater	Transparent Water As Composite Sampling
003	Sludge	Lt-Milky as Single Grab Sampling

FOR AND ON BEHALF OF
UL INDIA PRIVATE LIMITED

Shashi Bhusan Rout- LABORATORY OPERATIONS MANAGER

Test Table	Executive Summary	Result		
1A-1T	**Untreated Wastewater Parameters:**	**001**	**002**	**003**
1A	Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs)	PASS	/	/
1B	Anti- Microbials & Biocides	PASS	/	/
1C	Chlorinated Paraffins	PASS	/	/
1D	Chlorobenzenes and Chlorotoluenes	PASS	/	/
1E	Chlorophenols	PASS	/	/
1F	N,N-di-methyl formamide (DMFa)	PASS	/	/
1G	Dyes – Carcinogenic or Equivalent Concern	PASS	/	/
1H	Dyes – Disperse (Allergenic)	PASS	/	/
1I	Dyes – Navy Blue Colourant	PASS	/	/
1J	Flame retardants	PASS	/	/
1K	Glycols / Glycol Ethers	PASS	/	/
1L	Halogenated Solvents	PASS	/	/
1M	Organotin Compounds	PASS	/	/
1N	Other/Miscellaneous Chemicals	PASS	/	/
1O	Perfluorinated and Polyfluorinated Chemicals (PFCs)	PASS	/	/
1P	Phthalates – including all other esters of ortho-phthalic acid	PASS	/	/
1Q	Polycyclic Aromatic Hydrocarbons (PAHs)	PASS	/	/
1R	Restricted Aromatic Amines (Cleavable from Azo colourants)	PASS	/	/
1S	UV Absorbers	PASS	/	/
1T	Volatile Organic Compounds (VOC)	PASS	/	/
2	Heavy Metals (Effluent)	/	PASS	/
3	**Conventional Parameters and Anions for Effluent/ Treated Wastewater:**			
	pH Value	/	/	/
	Temperature Deference	/	/	/
	E. coli	/	/	/
	Colour (436nm, 525nm, 620nm)	/	/	/
	Persistent Foam	/	/	/
	Wastewater Flowrate	/	/	/
	Ammonium-Nitrogen	/	/	/
	Absorbable Organic Halogens (AOX)	/	/	/
	Biological Oxygen Demand (BOD) (5-day)	/	/	/
	Chemical Oxygen Demand (COD)	/	/	/
	Dissolved Oxygen (DO)	/	/	/
	Oil & Grease	/	/	/
	Total Phenols / Phenol Index	/	/	/

	Total Chlorine	/	/	/
	Total Dissolved Solids (TDS)	/	/	/
	Total Nitrogen	/	/	/
	Total Phosphorus	/	/	/
	Total Suspended Solids (TSS)	/	/	/
	Chloride	/	/	/
	Cyanide, total	/	/	/
	Sulfate	/	/	/
	Sulfide	/	/	/
	Sulfite	/	/	/
4A	**Sludge Parameters:**			
	Total Metals	/	/	PASS
	Cyanide	/	/	PASS
	pH Value	/	/	See Result
	% Solids (Dry mass)	/	/	See Result
	Paint Filter Test	/	/	See Result
	Faecal Coliform ♦	/	/	See Result
	Alkylphenol (AP) & Alkylphenol ethoxylates (APEOs)	/	/	PASS
	Polycyclic Aromatic Hydrocarbons (PAHs)	/	/	PASS
	Chloro-Toluene's	/	/	PASS

Remark

1. The results relate only to the samples tested.
2. ND"=Not Detected, "NA"=Not Applicable,
3. ** = test result(s) will be added later
4. ♦ Marked test was subcontracted to an ISO 17025:2017 accredited laboratory.

Report No. 1002283097 Rev.1 released on Apr 25, 2024, supersedes and must be used in place of the initial report 1002283097 released on Apr 23, 2024, as report has been revised to add correct picture of sample.

(1A-1T) Wastewater Parameters:

(1A) Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs):

Standard Method for Analysis/Testing: NP/OP: ISO 18857-2(modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS(-MS) OPEO/NPEO (n>2): ASTM D7742 ISO 18857-2

Detection Limit: 5 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Nonylphenol ethoxylates (NPEO)	9016-45-9, 26027-38-3 37205-87-1, 68412-54-4 127087-87-0	5	ND
Nonylphenol (NP), mixed isomers	104-40-5, 11066-49-2 25154-52-3, 84852-15-3	5	ND
Octylphenol ethoxylates (OPEO)	9002-93-1, 9036-19-5 68987-90-6	5	ND
Octylphenol (OP), mixed isomers	140-66-9, 1806-26-4 27193-28-8	5	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1B) Anti- Microbials & Biocides:

Standard Method for Analysis/Testing: Inhouse Method, Ref BS EN 12673-1999

Substance name	CAS No.	Detection limit, µg/L	Reporting limit, µg/L	Result, µg/L (001)
o-Phenylphenol (+salts)	90-43-7	0.5	100	ND
Triclosan	3380-34-5	100	100	ND
Permethrin	Multiple	500	500	ND
Conclusion				**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;				
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction				

(1C) Chlorinated Paraffins:

Standard Method for Analysis/Testing: Preparation: USEPA 527:2005,ISO Dichloromethane extraction GC/MS or LC/MS(-MS).Detection Limit: 5 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	5	ND
Short-chain Chlorinated paraffin (C10 – C13)	85535-84-8	5	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1D) Chlorobenzenes and Chlorotoluenes:

Standard Method for Analysis/Testing: USEPA 8260B, 8270D, Dichloromethane extraction followed by GC- MS
Detection Limit: 0.2 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
1,2-dichlorobenzene	95-50-1	0.2	ND
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa- Chlorobenzene and mono-, di-, tri-, tetra- and penta- chlorotoluene	Multiple	0.2	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1E) Chlorophenols:

Standard Method for Analysis/Testing: USEPA 8270D Solvent extraction, derivatisation with KOH, acetic anhydride followedby GC-MS, ISO 14154

Detection Limit: 0.5 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Pentachlorophenols (PCP)	87-86-5	0.5	ND
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	ND
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	ND
2,3,5,6-tetrachlorophenol	935-95-5	0.5	ND
2,4,6-trichlorophenol	88-06-2	0.5	ND
2,3,4-trichlorophenol	15950-66-0	0.5	ND
2,3,5-trichlorophenol	933-78-8	0.5	ND
2,3,6-trichlorophenol	933-75-5	0.5	ND
2,4,5-trichlorophenol	95-95-4	0.5	ND
3,4,5-trichlorophenol	609-19-8	0.5	ND
2,3-dichlorophenol	576-24-9	0.5	ND
2,4-dichlorophenol	120-83-2	0.5	ND
2,5-dichlorophenol	583-78-8	0.5	ND
2,6-dichlorophenol	87-65-0	0.5	ND
3,4-dichlorophenol	95-77-2	0.5	ND
3,5-dichlorophenol	591-35-5	0.5	ND
2-Chlorophenol	95-57-8	0.5	ND
3-Chlorophenol	108-43-0	0.5	ND
4-Chlorophenol	106-48-9	0.5	ND
Conclusion			**PASS**
"<" means "less than"; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1F) N,N-di-methyl formamide (DMFa):

Standard Method for Analysis/Testing: EPA 8015, EPA 8270E

Detection Limit: 1000 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1G) Dyes – Carcinogenic or Equivalent Concern:

Standard Method for Analysis/Testing: Liquid extraction, LC-MS

Detection Limit: 500 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Basic violet 3 with >0.1% of Michler´s Ketone	548-62-9	500	ND
C.I. Acid Red 26	3761-53-3	500	ND
C.I. Acid Violet 49	1694-09-3	500	ND
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	2580-56-5	500	ND
C.I. Basic Green 4 (Malachite Green Chloride)	569-64-2	500	ND
C.I. Basic Green 4 (Malachite Green Oxalate)	2437-29-8	500	ND
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	ND
C.I. Basic Red 9	569-61-9	500	ND
C.I. Basic Violet 14	632-99-5	500	ND
C.I. Direct Black 38	1937-37-7	500	ND
C.I. Direct Blue 6	2602-46-2	500	ND
C.I. Direct Red 28	573-58-0	500	ND
C.I. Disperse Blue 1	2475-45-8	500	ND
C.I. Disperse Blue 3	2475-46-9	500	ND
Disperse Orange 11	82-28-0	500	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1H) Dyes – Disperse (Allergenic):
Standard Method for Analysis/Testing: Liquid extraction, LC-MS

Detection Limit: 50 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Disperse Blue 102	12222-97-8	50	ND
Disperse Blue 106	12223-01-7	50	ND
Disperse Blue 124	61951-51-7	50	ND
Disperse Blue 26	3860-63-7	50	ND
Disperse Blue 35	12222-75-2	50	ND
Disperse Blue 35	56524-77-7	50	ND
Disperse Blue 7	3179-90-6	50	ND
Disperse Brown 1	23355-64-8	50	ND
Disperse Orange 1	2581-69-3	50	ND
Disperse Orange 3	730-40-5	50	ND
Disperse Orange 37/59/76	13301-61-6	50	ND
Disperse Red 1	2872-52-8	50	ND
Disperse Red 11	2872-48-2	50	ND
Disperse Red 17	3179-89-3	50	ND
Disperse Yellow 1	119-15-3	50	ND
Disperse Yellow 3	2832-40-8	50	ND
Disperse Yellow 39	12236-29-2	50	ND
Disperse Yellow 49	54824-37-2	50	ND
Disperse Yellow 9	6373-73-5	50	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1I) Dyes – Navy Blue Colourant:
Standard Method for Analysis/Testing: Liquid extraction, LC-MS

Detection Limit: 500 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	ND
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1J) Flame retardants:

Standard Method for Analysis/Testing: USEPA 8270E, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethaneextraction GC-MS or LC-MS(-MS)

Substance name	CAS No.	Detection limit, µg/L	Reporting limit, µg/L	Result, µg/L (001)
2,2-bis(bromomethyl)- 1,3-propanediol (BBMP)	3296-90-0	25	25	ND
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	25	25	ND
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	25	ND
Hexabromocyclodecane (HBCDD)	3194-55-6	25	25	ND
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	25	ND
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	25	ND
Polybromobiphenyls (PBB)	59536-65-1	25	25	ND
Tetrabromobisphenol A (TBBPA)	79-94-7	25	25	ND
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	25	ND
Tris(1-aziridinyl)phosphine oxide) (TEPA)	545-55-1	25	25	ND
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	25	ND
Tris(2-chloroethyl phosphate (TCEP)	115-96-8	25	25	ND
Tris(2,3,-dibromopropyl)- phosphate (TRIS)	126-72-7	25	25	ND
Decabromobiphenyl (DecaBB)	13654-09-6	25	25	ND
Dibromobiphenyls (DiBB)	Multiple	25	25	ND
Octabromobiphenyls (OctaBB)		25	25	ND
Dibromopropylether	21850-44-2	25	25	ND
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	25	ND
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	25	ND
Monobromobiphenyls (MonoBB)	Multiple	25	25	ND
Monobromodiphenylethers (MonoBDEs)		25	25	ND
Nonabromobiphenyls (NonaBB)		25	25	ND
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	25	ND

Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	25	ND
Tribromodiphenylethers (TriBDEs)	Multiple	25	25	ND
Boric acid	10043-35-3 11113-50-1	100	100	ND
Diboron trioxide	1303-86-2	100	100	ND
Disodium octaborate	12008-41-2	100	100	ND
Disodium tetraborate anhydrous	1303-96-4 1330-43-4	100	100	ND
Tetraboron disodium heptaoxide, hydrate	12267-73-1	100	100	ND
Conclusion				**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;				
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction				

(1K) Glycols / Glycol Ethers:

Standard Method for Analysis/Testing: In-house Method, USEPA 8270E, Liquid extraction, LC-MS-MS GC-MS
Detection Limit: 50 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
2-ethoxyethanol	110-80-5	50	ND
2-ethoxyethyl acetate	111-15-9	50	ND
2-methoxyethanol	109-86-4	50	ND
2-methoxyethylacetate	110-49-6	50	ND
2-methoxypropylacetate	70657-70-4	50	ND
Bis(2-methoxyethyl)-ether	111-96-6	50	ND
Ethylene glycol dimethyl ether	110-71-4	50	ND
Triethylene glycol dimethyl ether	112-49-2	50	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1L) Halogenated Solvents:

Standard Method for Analysis/Testing: USEPA 8260 Headspace GC-MS or Purge and trap GC-MS

Detection Limit: 1 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
1,2-dichloroethane	107-06-2	1	ND
Methylene chloride	75-09-2	1	ND
Tetrachloroethylene	127-18-4	1	ND
Trichloroethylene	79-01-6	1	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: 7-days. Maximum Holding Time: Extraction: 14-days.			

(1M) Organotin Compounds:

Standard Method for Analysis/Testing: ISO 17353 Derivatisation with NaB (C2H5)4 GC-MS/ ISO 17353

Detection Limit: 0.01 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Dipropyltin compounds (DPT)	Multiple	0.01	ND
Mono-, di- and tri-butyltin derivatives		0.01	ND
Mono-, di- and tri-methyltin derivatives		0.01	ND
Mono-, di- and tri-octyltin derivatives		0.01	ND
Mono-, di- and tri-phenyltin derivatives		0.01	ND
Tetrabutyltin compounds (TeBT)		0.01	ND
Tripropyltin Compounds (TPT)		0.01	ND
Tetraoctyltin compounds (TeOT)		0.01	ND
Tricyclohexyltin (TCyHT)		0.01	ND
Tetraethyltin Compounds (TeET)		0.01	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: 24-Hours. Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1N) Other/Miscellaneous Chemicals:

Standard Method for Analysis/Testing: In-house Method, Liquid extraction, LC-MSMS, Determined as total boron and total zinc via ICP.

Substance name	CAS No.	Detection limit, µg/L	Reporting limit, µg/L	Result, µg/L (001)
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	500	500	ND
Bisphenol A	80-05-7	10	10	ND
Thiourea	62-56-6	50	50	ND
Quinoline	91-22-5	50	50	ND
Borate, zinc salt	12767-90-7	100	100	ND
Conclusion				**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;				
Recommended Holding Time: NA. Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction				

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

Standard Method for Analysis/Testing: DIN 38407-42:2011,IONIC PFCs: Concentration or Direct Injection, LCMSMS,NON-IONIC-Derivatisation with acetic anhydride followed by GCMS

Substance name	CAS No.	Detection limit, µg/L	Reporting limit, µg/L	Result, µg/L (001)
Perfluorooctane sulfonate (PFOS) and related substances	Multiple	0.01	0.01	ND
Perfluorooctanoic acid (PFOA) and related substances		1	1	ND
Conclusion				**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;				
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction				

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

Standard Method for Analysis/Testing: USEPA 8270D, ISO 18856 Dichloromethane extraction GC-MS
Detection Limit: 10 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
1,2-benzenedicarboxylic acid, di-C6-8 branched and liearalkyl esters , C7-rich (DIHP)	71888-89-6 84777-06-0	10	ND
1,2-benzenedicarboxylic acid, di-C7-11 branched and liearalkyl esters (DHNUP)	68515-42-4 68515-50-4	10	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	ND
Butyl benzyl phthalate (BBP)	85-68-7	10	ND
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	ND
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	ND
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	ND
Di-isobutyl phthalate (DIBP)	84-69-5	10	ND
Di-isononyl phthalate (DINP)	28553-12-0	10	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	10	ND
Di-n-octyl phthalate (DNOP)	117-84-0	10	ND
Di-n-pentylphthalates	131-18-0	10	ND
Di-n-propyl phthalate (DPRP)	131-16-8	10	ND
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	ND
Dibutyl phthalate (DBP)	84-74-2	10	ND
Diethyl phthalate (DEP)	84-66-2	10	ND
Diisopentylphthalates	605-50-5	10	ND
Dinonyl phthalate (DNP)	84-76-4	10	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA. Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1Q) Polycyclic Aromatic Hydrocarbons (PAHs):

Standard Method for Analysis/Testing: USEPA 8270D DIN 38407-39 Solvent extraction GC-MS
Detection Limit: 1 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Acenaphthene	83-32-9	1	ND
Acenaphthylene	208-96-8	1	ND
Anthracene	120-12-7	1	ND
Benzo[a]anthracene	56-55-3	1	ND
Benzo[a]pyrene (BaP)	50-32-8	1	ND
Benzo[b]fluoranthene	205-99-2	1	ND
Benzo[e]pyrene	192-97-2	1	ND
Benzo[ghi]perylene	191-24-2	1	ND
Benzo[j]fluoranthene	205-82-3	1	ND
Benzo[k]fluoranthene	207-08-9	1	ND
Chrysene	218-01-9	1	ND
Dibenz[a,h]anthracene	53-70-3	1	ND
Fluoranthene	206-44-0	1	ND
Fluorene	86-73-7	1	ND
Indeno[1,2,3-cd]pyrene	193-39-5	1	ND
Naphthalene	91-20-3	1	ND
Phenanthrene	85-01-8	1	ND
Pyrene	129-00-0	1	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

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

Standard Method for Analysis/Testing: EN 14362-1& 3:2017,Reduction step with sodium dithionite, solvent Extraction GCMS/LCMSMS

Detection Limit: 0.1 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
2-naphthylamine	91-59-8	0.1	ND
2-Naphthylammoniumacetate	553-00-4	0.1	ND
2,4-xylidine	95-68-1	0.1	ND
2,4,5-trimethylaniline	137-17-7	0.1	ND
2,4,5-trimethylaniline ydrochloride	21436-97-5	0.1	ND
2,6-xylidine	87-62-7	0.1	ND
3,3'-dichlorobenzidine	91-94-1	0.1	ND
3,3-dimethoxylbenzidine	119-90-4	0.1	ND
3,3-dimethylbenzidine	119-93-7	0.1	ND
4-aminoazobenzene	60-09-3	0.1	ND
4-aminodiphenyl	92-67-1	0.1	ND
4-chloro-o-toluidine	95-69-2	0.1	ND
4-chloro-o-toluidinium chloride	3165-93-3	0.1	ND
4-chloroaniline	106-47-8	0.1	ND
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	ND
4-methoxy-m-phenylenediamine	615-05-4	0.1	ND
4-methyl-m-phenylenediamine	95-80-7	0.1	ND
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	0.1	ND
4,4-methylenedi-o-toluidine	838-88-0	0.1	ND
4,4-methylenedianiline	101-77-9	0.1	ND
4,4-oxydianiline	101-80-4	0.1	ND
4,4-thiodianiline	139-65-1	0.1	ND
5-nitro-o-toluidine	99-55-8	0.1	ND
6-methoxy-m-toluidine	120-71-8	0.1	ND
Benzidine	92-87-5	0.1	ND
o-aminoazotoluene	97-56-3	0.1	ND
o-anisidine	90-04-0	0.1	ND
o-toluidine	95-53-4	0.1	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1S) UV Absorbers:

Standard Method for Analysis/Testing: DIN EN 62321-6,Solvent Extraction followed by GCMS/LCMSMS
Detection Limit: 100 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec- butyl) phenol (UV-350)	36437-37-3	100	ND
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	100	ND
2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7	100	ND
2,4-Di-tert-butyl-6-(5- chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

(1T) Volatile Organic Compounds (VOC):

Standard Method for Analysis/Testing: Standard Method for Analysis/Testing: ISO 11423-1 Headspace or Purge and trap GC-MS USEPA 8260D,EPA 8260D or ISO 11423-1

Detection Limit: 1 ug/L

Substance name	CAS No.	Reporting limit, µg/L	Result, µg/L (001)
Benzene	71-43-2	1	ND
m-cresol	108-39-4	1	ND
o-cresol	95-48-7	1	ND
p-cresol	106-44-5	1	ND
Xylene	1330-20-7	1	ND
Toluene	108-88-3	1	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "µg/L" means "microgram per litre;			
Recommended Holding Time: 7-days. Maximum Holding Time: Extraction: 14-days.			

(2) Heavy Metals:
Standard Method for Analysis/Testing: With reference to USEPA 200.7:1994, USEPA 200.8:1994, USEPA6010c:2000, USEPA6020a:1998, Acid Digestion with ICP analysisFor CrVI- USEPA218.6, EPA 200.8-SIM EPA 6020A-SIM EPA 245.1 EPA 245.7 with reference to USEPA 218.6:1994 derivatisation followed by UV analysis, ISO 18412:2005

Substance name	CAS No.	Detection limit, mg/L	Result, mg/L (002)	Limit, mg/L	Conclusion
Total Antimony (Sb)	7440-36-0	0.01	ND	Foundational 0.1 Progressive 0.05 Aspirational 0.01	PASS
Hexavalent Chromium (Cr-VI)	18540-29-9	0.001	ND	Foundational 0.05 Progressive 0.005 Aspirational 0.001	
Total Arsenic (As)	7440-38-2	0.005	ND	Foundational 0.05 Progressive 0.01 Aspirational 0.005	
Total Chromium (Cr)	7440-47-3	0.05	ND	Foundational 0.2 Progressive 0.1 Aspirational 0.05	
Total Cobalt (Co)	7440-48-4	0.01	ND	Foundational 0.05 Progressive 0.02 Aspirational 0.01	
Total Cadmium (Cd)	7440-43-9	0.01	ND	Foundational 0.1 Progressive 0.05 Aspirational 0.01	
Total Copper (Cu)	7440-50-8	0.25	ND	Foundational 1.0 Progressive 0.5 Aspirational 0.25	
Total Lead (Pb)	7439-92-1	0.01	ND	Foundational 0.1 Progressive 0.05 Aspirational 0.01	
Total Nickel (Ni)	7440-02-0	0.05	ND	Foundational 0.2 Progressive 0.1 Aspirational 0.05	
Total Silver (Ag)	7440-22-4	0.005	ND	Foundational 0.1 Progressive 0.05 Aspirational 0.005	
Total Zinc (Zn)	7440-66-6	0.5	ND	Foundational 5.0 Progressive 1.0 Aspirational 0.5	
Total Mercury (Hg)	7439-97-6	0.001	ND	Foundational 0.01 Progressive 0.005 Aspirational 0.001	
Total Barium (Ba)	7440-39-3	0.5	ND	/	
Total Selenium (Se)	7782-49-2	0.5	ND	/	
Total Tin (Sn)	7440-31-5	0.5	ND	/	
"<" means "less than" ; "mg/L" means "milligram per litre;					
Recommended Holding Time: Cr-VI: 24-Hours; Mercury: NA; Other Metals: 28-days. Maximum Holding Time: Cr-VI /Mercury: 28-days; Other Metals: 6-Months.					

(4A) Sludge Parameters:

Total Metals:
Standard Method for Analysis/Testing: In-house Method, Preparation: With reference to USEPA 200.7:1994, USEPA 200.8:1994, USEPA6010c:2000, USEPA6020a:1998, Acid Digestion with ICP analysisFor CrVI- USEPA218.6, EPA 200.8-SM EPA 6020A-SIM EPA 245.1 EPA 245.7 with reference to USEPA 218.6:1994 derivatisation followed by UV analysis, ISO 18412:2005

Substance name	CAS No.	Detection limit, mg/kg	Result, mg/kg (003)	Reporting limit, mg/kg	Conclusion
Total Antimony (Sb)	7440-36-0	2	ND	5	PASS
Total Arsenic (As)	7440-38-2	2	ND	5	
Total Barium (Ba)	7440-39-3	10	44	200	
Total Cadmium (Cd)	7440-43-9	0.5	ND	1	
Total Cobalt (Co)	7440-48-4	10	ND	400	
Total Copper (Cu)	7440-50-8	10	26	50	
Total Lead (Pb)	7439-92-1	2	2.7	5	
Total Nickel (Ni)	7440-02-0	5	11	20	
Total Selenium (Se)	7782-49-2	2	ND	5	
Total Silver (Ag)	7440-22-4	10	ND	50	
Total Chromium (Cr)	7440-47-3	2	31	50	
Total Zinc (Zn)	7440-66-6	10	95	400	
# Hexavalent Chromium (Cr-VI)	18540-29-9	2	ND	20	
Total Mercury (Hg)	7439-97-6	0.05	ND	1	

"<" means "less than" ; "ND" means "Not detected" ; "mg/kg" means "milligram per kilogram"

Hexavalent Chromium (Cr-VI) is reported as Total Chromium Content. Hexavalent Chromium (Cr-VI) value will not exceed Total Chromium Content.

Recommended Holding Time: Cr-VI: 24-Hours; Mercury: NA; Other Metals: 28-days.
Maximum Holding Time: Cr-VI /Mercury: 28-days; Other Metals: 6-Months.

Cyanide:

Standard Method for Analysis/Testing: Preparation: CN converted to HCN by reflux-distillation to NaOH Analysis: Colourimetry (EPA 9014), or ISE (EPA 9213)

Sample ID	Detection limit, mg/kg	Result, mg/kg	Limit, mg/kg	Conclusion
003	1	<1	20	PASS

"<" means "less than" "mg/kg" means "milligram per kilogram"

Recommended Holding Time: 24-Hours.
Maximum Holding Time: 14-Days.

pH Value:

Standard Method for Analysis/Testing: with Ref. ISO 10523/IS 3025-11

Sample ID	Result	Limit	Conclusion
003	7.4	/	**DATA**
Recommended Holding Time: 15-Mins. Maximum Holding Time: 24-Hours.			

% Solids (Dry Mass):

Standard Method for Analysis/Testing: Dry at 105ºC

Sample ID	Result (%)	Limit, (%)	Conclusion
003	86	/	**DATA**
Recommended Holding Time: 2-Days. Maximum Holding Time: 7-Days.			

Paint Filter Test:

Standard Method for Analysis/Testing: EPA SW-846 or EPA 9095B

Sample ID	Result	Limit	Conclusion
003	Absent	/	**DATA**
Recommended Holding Time: 2-Days. Maximum Holding Time: 7-Days.			

Faecal Coliform♦

Standard Method for Analysis/Testing: APHA 23rd 9221.B & E

Sample ID	Detection Limit (MPN/g)	Result (MPN/g)	Limit (MPN/g)	Conclusion
003	5	260	/	**DATA**
"<" means "less than" "MPN/g" means "Most Probable Number per gram"				
Recommended Holding Time: 6-Hours. Maximum Holding Time: 24-Hours.				

Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs)

Standard Method for Analysis/Testing: With reference to USEPA 200.7:1994, USEPA 200.8:1994, USEPA 6010c:2000, USEPA6020a:1998, Acid Digestion with ICP analysisFor CrVI- USEPA218.6, EPA 200.8-SIM EPA 6020A-SIM EPA245.1 EPA 245.7 with reference to USEPA 218.6:1994 derivatisation followed by UV analysis, ISO 18412:2005

Detection Limit: 0.4 mg/kg

Substance name	CAS No.	Reporting limit, mg/kg	Result, mg/kg (003)
Nonylphenol ethoxylates (NPEO)	9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	0.4	ND
Nonylphenol (NP), mixed isomers	104-40-5, 11066-49-2 25154-52-3, 84852-15-3	0.4	ND
Octylphenol ethoxylates (OPEO)	9002-93-1, 9036-19-5, 68987-90-6	0.4	ND
Octylphenol (OP), mixed isomers	140-66-9, 1806-26-4, 27193-28-8	0.4	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "mg/kg" means "milligram per kilogram"			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

Polycyclic Aromatic Hydrocarbons (PAHs)

Standard Method for Analysis/Testing: Dichloromethane extraction with mechanical agitation, soxhlet, or unltrasonic ,Clean up: GPC, Analysis: GC-MS/ Preparation with reference to USEPA 8270D, DIN 38407-39 Solvent extraction GC-MSDetection Limit: 0.2 mg/kg

Substance name	CAS No.	Reporting limit, mg/kg	Result, mg/kg (003)
Bezno[a]pyrene (BaP)	50-32-8	0.2	ND
Anthracene	120-12-7	0.2	ND
Pyrene	129-00-0	0.2	ND
Benzo[ghi]perylene	191-24-2	0.2	ND
Benzo[e]pyrene	192-97-2	0.2	ND
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	ND
Benzo[j]fluoranthene	205-82-3	0.2	ND
Benzo[b]fluoranthene	205-99-2	0.2	ND
Fluoranthene	206-44-0	0.2	ND
Benzo[k]fluoranthene	207-08-9	0.2	ND
Acenaphthylene	208-96-8	0.2	ND
Chrysene	218-01-9	0.2	ND
Dibenz[a,h]anthracene	53-70-3	0.2	ND
Benzo[a]anthracene	56-55-3	0.2	ND
Acenaphthene	83-32-9	0.2	ND
Phenanthrene	85-01-8	0.2	ND
Fluorene	86-73-7	0.2	ND
Naphthalene	91-20-3	0.2	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "mg/kg" means "milligram per kilogram"			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

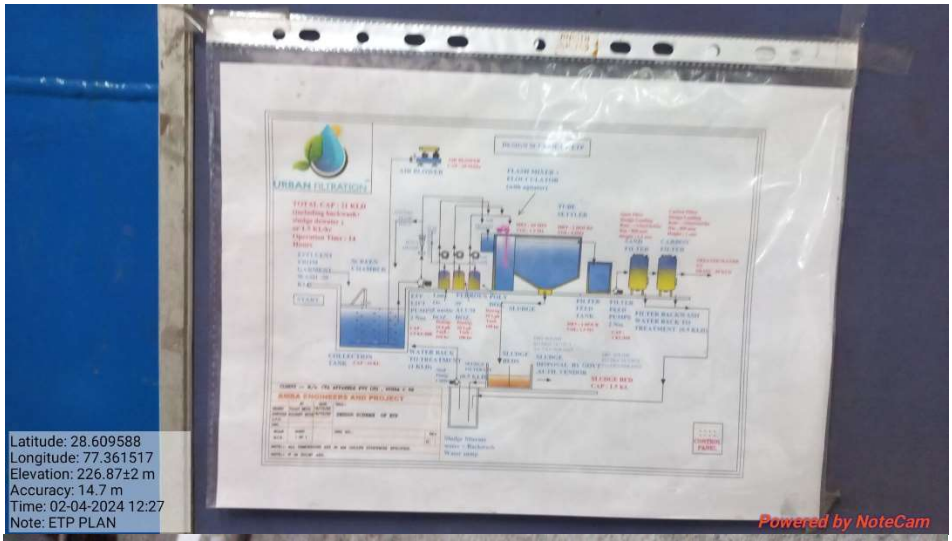
Chloro-Toluene's

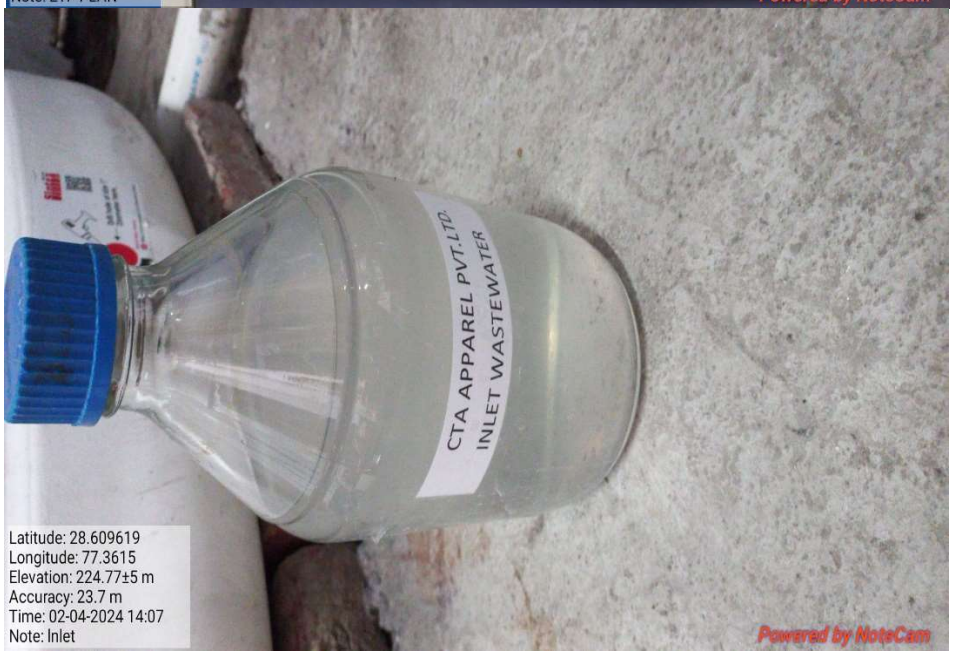
Standard Method for Analysis/Testing: Preparation: Dichloromethane extraction with mechanical agitation, soxhlet, or unltrasonic,Clean up: GPC, Analysis: GC-MS, with reference Standard Method for Analysis/Testing: USEPA 8260B, 8270D, Dichloromethane extraction followed by GC- MS

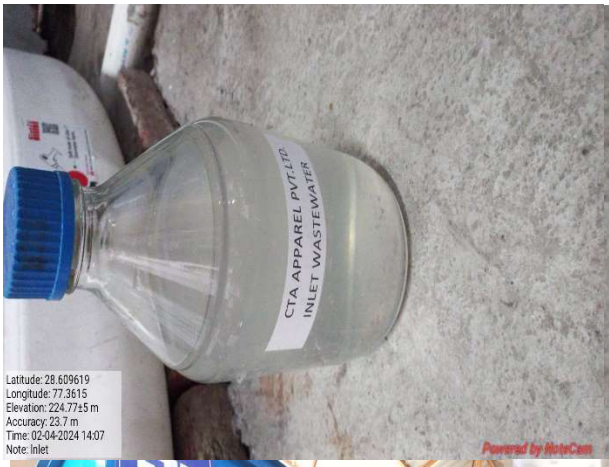
Detection Limit: 0.2 mg/kg

Substance name	CAS No.	Reporting limit, mg/kg	Result, mg/kg (003)
Monochlorobenzene	108-90-7	0.2	ND
1,2-Dichlorobenzene	95-50-1	0.2	ND
1,3-Dichlorobenzene	541-73-1	0.2	ND
1,4-Dichlorobenzene	106-46-7	0.2	ND
1,2,3-Trichlorobenzene	87-61-6	0.2	ND
1,2,4-Trichlorobenzene	120-82-1	0.2	ND
1,3,5-Trichlorobenzene	108-70-3	0.2	ND
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	ND
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	ND
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	ND
Pentachlorobenzene	608-93-5	0.2	ND
Hexachlorobenzene	118-74-1	0.2	ND
2-chlorotoluene	95-49-8	0.2	ND
3-chlorotoluene	108-41-8	0.2	ND
4-chlorotoluene	106-43-4	0.2	ND
2,3-dichlorotoluene	32768-54-0	0.2	ND
2,4-dichlorotoluene	95-73-8	0.2	ND
2,5-dichlorotoluene	19398-61-9	0.2	ND
2,6-dichlorotoluene	118-69-4	0.2	ND
3,4-dichlorotoluene	95-75-0	0.2	ND
3,5-dichlorotoluene	25186-47-4	0.2	ND
2,3,4-dichlorotoluene	7359-72-0	0.2	ND
2,3,6-trichlorotoluene	2077-46-5	0.2	ND
2,4,5-trichlorotoluene	6639-30-1	0.2	ND
2,4,6-trichlorotoluene	23749-65-7	0.2	ND
3,4,5-trichlorotoluene	21472-86-6	0.2	ND
2,3,4,5- tetra chlorotoluene	76057-12-0	0.2	ND
2,3,5,6- tetra chlorotoluene	29733-70-8	0.2	ND
2,3,4,6- tetra chlorotoluene	875-40-1	0.2	ND
Pentachlorotoluene	877-11-2	0.2	ND
Conclusion			**PASS**
"<" means "less than" ; "ND" means "Not detected" ; "mg/kg" means "milligram per kilogram"			
Recommended Holding Time: NA Maximum Holding Time: Extraction: 7-days from collection; Analysis: 40-days from extraction			

Sample Image







End Of Report

SAMPLING COLLECTION REQUEST FORM

UL Solutions

Customer:	CTA Apparels Pvt. Ltd.
Facility (Address):	C-32 Sector-58, Noida.
Phone	9958696126
Contact name	Ajay kumar Mishra.
Type of activity:	☐ Textile ☐ Leather ☐ _____

DEFINITION

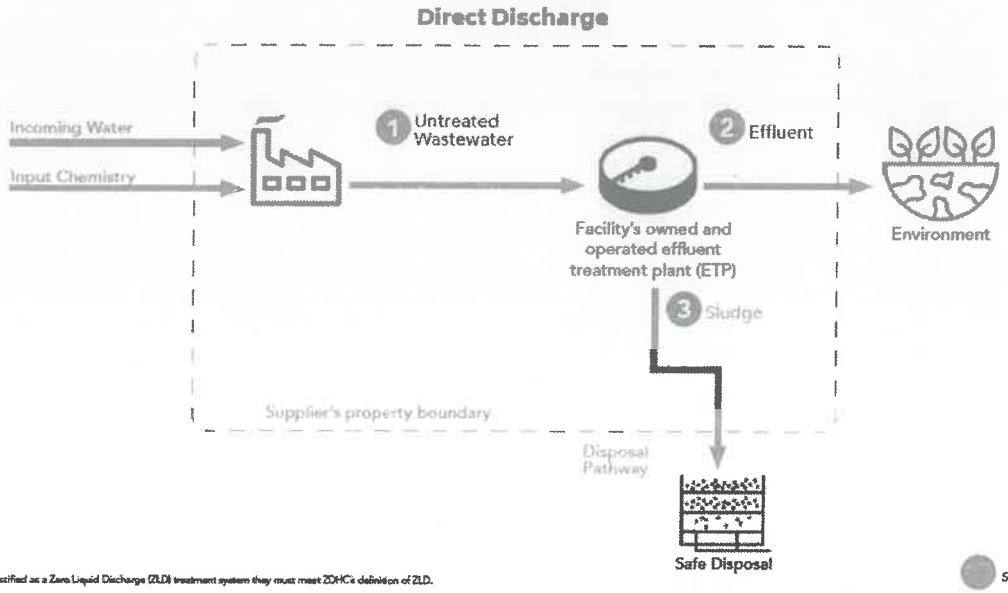
Untreated Wastewater - (previously referred to as 'Raw wastewater'), Wastewater that is collected prior to any treatment.

Effluent - treated or partially treated wastewater that leaves the facility boundary.

Sludge - the residual solid, semisolid, or slurry material generated as a by-product of wastewater treatment processes, including primary, secondary and tertiary (ZLD) treatments.

Direct Discharge - A point source that discharges wastewater to streams, lakes, oceans, or other receiving bodies. Distribution of wastewater into land is also considered a type of direct discharge. Municipal bodies and suppliers that introduce pollution through a defined conveyance or system such as outlet pipes are direct dischargers.

Figure 2a: Schematic illustration of the Sample Locations for a Direct Discharge Supplier. **Sampling locations:** *Untreated Wastewater, Effluent, Sludge.*



[i] For suppliers to be classified as a Zero Liquid Discharge (ZLD) treatment system they must meet ZDHC's definition of ZLD.

Sample Locations shown in red

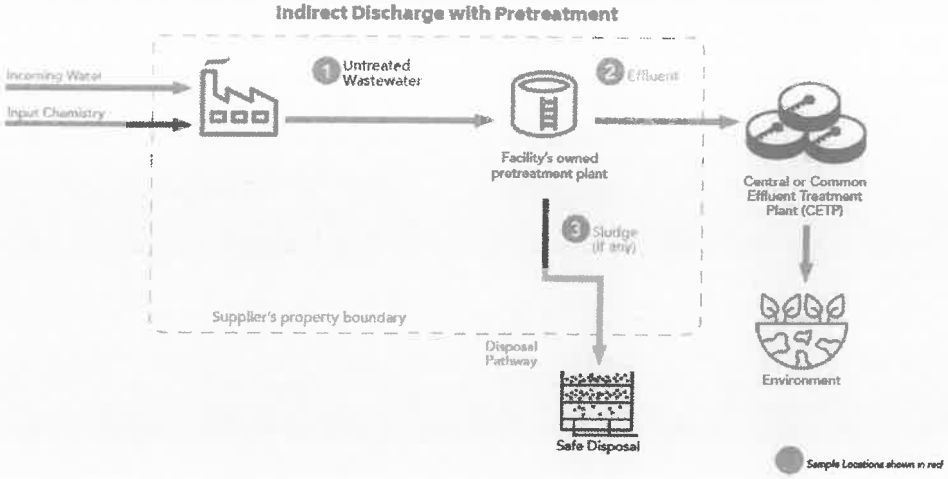
Extract from the LWW 2.1 ZDHC guidelines

Indirect Discharge - The discharge of wastewater through an industrial wastewater sewer system to a central or common effluent treatment plant (CETP), not owned and/or operated by the supplier discharging the wastewater. CETP is also referred to as off-site wastewater treatment, and there are two main models of Indirect discharge:

- With pretreatment where wastewater is collected, mixed and then treated using physical, chemical or biological processes prior to discharge to CETP.

  Note: Screening/filtration with size < 6 mm and pH correction are considered treatments.

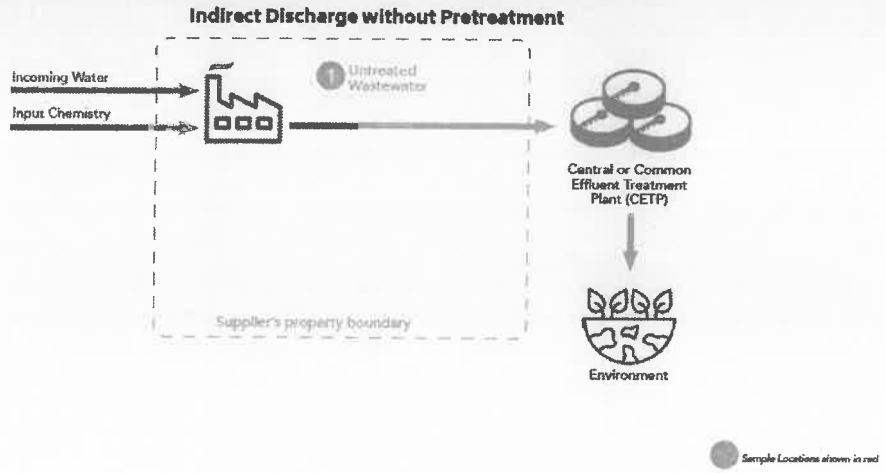
Figure 2b: Schematic illustration of the Sample Locations for an Indirect Discharge with pretreatment Supplier. Sampling locations: Untreated Wastewater, Effluent, Sludge.



Extract from the LWW 2.1 ZDHC guidelines

- Without pretreatment where the wastewater goes directly from processing to the CETP.

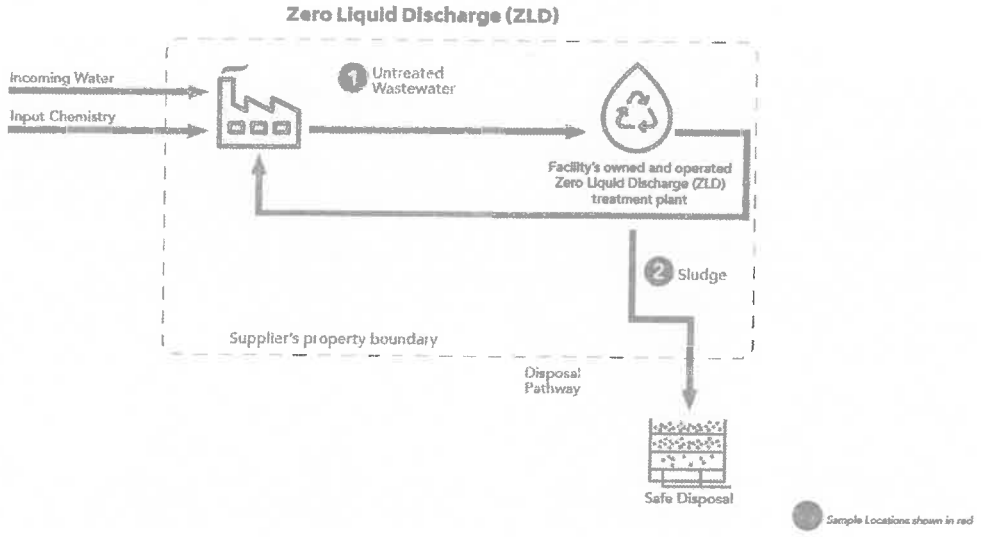
Figure 2c: Schematic illustration of the Sample Locations for an Indirect Discharge without pretreatment Supplier. Sampling locations: Untreated Wastewater



Extract from the LWW 2.1 ZDHC guidelines

Zero Liquid Discharge (ZLD) - The concept that no industrial wastewater or effluent leaves a supplier's site in liquid form. On-site ZLD treatment system treats and recovers almost all wastewater such that the only water lost is through evaporation or as moisture in the sludge from treatment plant operations. A supplier is not considered to have a ZLD treatment system if there is any industrial liquid discharge.

Figure 2d: Schematic illustration of the Wastewater Discharge Types and Sample Locations. Sampling locations: Untreated Wastewater, Sludge.



Extract from the LWW 2.1 ZDHC guidelines

Fill in the fields below

Suppliers that generate on average:

- [x] equal to, or more than 15m³ of industrial wastewater per day (>= 15m³/day)
- [ ] less than 15m³ of industrial wastewater per day (< 15m³/day)

Wet processing:

Days: from Monday to Saturday

Hours: from 8:30 Am to 5:00 Pm.

- [ ] **Direct Discharge**
- [x] **Indirect Discharge With Pretreatment**
- [ ] **Indirect Discharge Without Pretreatment**
- [ ] **Zero Liquid Discharge (ZLD)**

Description of the type of wastewater

- [x] **Industrial Wastewater**
- [ ] **Industrial Wastewater mixed with Domestic Wastewater**

Total Industrial Wastewater generated over a 12-month period 3223 **(m³)**

Total working days in a 12-month period 302

(Intended to the full days of which Industrial Wastewater is generated)

INCOMING WATER *(Water supplied to a wet manufacturing process. Note: We need to sample untreated water (es. Desalinated water, etc.).*

Attach the image of the sampling point

Sampling point name:	

Indicate the type of water that feeds the wet production line:

- [ ] Aqueduct: _____
- [ ] Underground water / well: N°well _____
- [ ] River _____
- [ ] Other: _____

Do you want to sample Incoming Water*

- [ ] **Yes**
- [ ] **No**

* Sampling of incoming water is not mandatory for ZDHC guidelines, but it may be necessary to analyze these samples for Root Cause Analysis, in case of non-compliance in wastewater samples

Description of the sampling point:

- [ ] Tap: _____
- [ ] Well (depth m): _____
- [ ] Other: _____

UNTREATED WASTEWATER *(Wastewater that is collected prior to any treatment)*

Attach the image of the sampling point

Sampling point name: Inlet waste water

There is only one water collection line discharge processing

☑ YES

☐ NO (N. of collections lines present): _____

Description of the sampling point:

☐ Homogenization tank (m^3): _____

(If there is a Homogenization tank, it has an average holding time > 12 h? - ☐ YES - ☐ NO)

☑ Well (depth m): _____

☐ Other: _____

Is there a flow meter for the wastewater?

☐ Yes: _____

☐ No: _____

Type of discharge:

☑ Continuous: _____

☐ Discontinuous _____

☐ Other: _____

There is any screening / filtration system with size < 6 mm

☐ Yes: _____

☐ No: _____

EFFLUENT *(Treated or partially treated wastewater that leaves the facility boundary)*

Attach the image of the sampling/s point

There is only one water collection line discharge?

☑ YES

☐ NO (N. of collections lines present): _____

Type of discharge

☑ Continuous: _____

☐ Discontinuous: _____

☐ Other: _____

Sampling point name: Outlet Waste Water

Is there a flow meter for the wastewater?

☑ Yes _____

☐ No _____

Description of the sampling point:

☐ Well (depth m): _____

☑ Other: _____

Does this sample point discharge to aquatic bodies?

☐ Yes _____

☐ No _____

WASTEWATER TREATMENT DESCRIPTION

There is any screening / filtration system with size < 6 mm

☑ Yes _____

☐ No _____

Preliminary Treatment

☑ Equalization Basin

☑ Filtration

☐ Manual Grit Remover

☐ Mechanical or Aerated Grit Remover

☑ Other physical/chemical process

☑ pH adjustment

☑ Pre-Aeration

☑ Raw wastewater or effluent pumping

☐ Others (Please specify)

Primary Treatment

☐ Chemical injection with coagulation (DAF, inclined plate, etc.)

☑ Coagulation - flocculation

☐ Dissolved air flotation

☐ Lamellar settling

☑ Primary clarifier

☐ Others (Please specify)

Disinfection

- ☐ Chlorination (gas)
- ☐ Chlorination (others)
- ☐ Dechlorination
- ☐ Others - Please Specify
- ☐ Ozonation
- ☑ Sand filtration
- ☐ Ultraviolet

Secondary Treatment

- ☐ Activated Sludge
- ☐ Activated Sludge process (with membrane bioreactor)
- ☐ Activated Sludge process (without membrane bioreactor)
- ☐ Aerated biofilters
- ☐ Aerated ponds
- ☐ Biological Treatment
- ☐ Chemical coagulation with rapid mix, flocculation, clarification
- ☐ Fluidized Bed
- ☐ Intermittent sand filter without recirculation
- ☐ Membrane bioreactors
- ☐ Rotating biological contactors
- ☐ Secondary clarifier
- ☐ Sequential batch reactor (SBR)
- ☐ Submerged aerated filters
- ☐ Trickling filter, biological filter with recirculation
- ☐ Trickling filter, biological filter without recirculation
- ☐ UASB Reactor (Upflow Anaerobic Sludge Blanket Reactor)
- ☐ Unaerated lagoon
- ☐ Others (Please specify)

Cooling or hear recovery systems to cool wastewater

- ☐ Cooling tower
- ☐ Heat recovery Heat exchangers

Advanced Water Treatment / Tertiary treatment

- ☑ Activated carbon filters
- ☐ Adsorption with activated carbon
- ☐ Advanced Oxidation Processes (AOPs)
- ☐ Chemical Addition for Neutralization
- ☐ Electrocoagulation-Electroflocculation
- ☐ Evaporation
- ☐ Fenton reactions
- ☐ Intermittent Sand Filter
- ☐ Ion exchange
- ☐ Membrane filtration and reverse osmosis
- ☐ Microscreens
- ☐ Nitrification by Activated Sludge
- ☐ Nitrification by activated Sludge and dentrification
- ☐ Nitrification by other processes
- ☐ Nitrification by other processes and dentrification
- ☐ Phosphorus Removal
- ☐ Polishing Pond
- ☐ Rapid Sand filter
- ☐ Reverse osmosis, Electrodialysis
- ☐ Ultrafiltration
- ☐ Others (Please specify)

SLUDGE *(Sludge from wastewater treatment processes)*

Attach the image of the sampling/s point	**Type of Sludge** ☑ Solid ☐ Liquid ☐ Doughy **Description of the sampling point:**
Sampling point name: Sludge	

Describe which kind of ZDHC Disposal Pathways are used by the facility?

(If several paths are used, indicate the percentages of use)

Please attach a sludge disposal document or a copy of the contract with the authorized waste disposal company.

	% of use
☐ ZDHC Disposal Pathway A - Offsite Incineration at >1000 °C	
☐ ZDHC Disposal Pathway B - Landfill with Significant Control Measures	
☐ ZDHC Disposal Pathway C - Building Products Processed at >1000 °C	
☐ ZDHC Disposal Pathway D - Landfill with Limited Control Measures	
☐ ZDHC Disposal Pathway E - Offsite Incineration and Building Products Processed at <1000 °C	
☐ ZDHC Disposal Pathway F - Landfills with No Control Measures	
☐ ZDHC Disposal Pathway G - Land Application	

Note: Refer to the *"ZDHC Sludge Reference Document"* for more details on the definition of Disposal Pathways (Roadmap To Zero - Output)

Notes or observations

For CTA Apparels Pvt. Ltd.

Authorised Signatory

Appendix E

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

Sampling Collection Information

Sampling Location: C-32 Sector-58 Noida
Sampling Device Description/Owner: CTA Apparel Pvt. Ltd.
Sampling Mode: ☐ Autosampler ☐ Manual
Start Time: 11:10
Stop Time: 5:10

Sampler Information

Date: 02-04-2024
Sampler Name/Email: Jai Singh (jai.singh@ul.com)
Sampler ZDHC Accredited no.: C74D1068175 39
ZDHC Composite Sample Code:

ZDHC Wastewater Flow Device Dimensions

Measurement (cm)	Meter	Pipe (O)	Flume (U)	Wier (V)
Diameter	NA			
Depth	NA	NA	NA	

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.

Facility Name: CTA Apparels Pvt. Ltd.
Facility Representative Name: Yogendra Singh
Facility Representative Signature and stamp:

For CTA Apparels Pvt. Ltd.

Authorised Signatory

Sampler's Name: Jai Singh
Sampler's ZDHC Accreditation: C74D1068175 39
Sampler's Signature: Singh
02-04-2024

ZDHC Wastewater Sampling Field Testing QA/QC

Parameter	LCS Known	LCS Measured	Accuracy %
pH	7.0	7.0	
Total Chlorine		—	—

ZDHC Wastewater Sample Collection Field Test Measurements

Sampling Time (Hours)	Temperature (°C)		pH (Units)	Dissolved Oxygen (mg/L)	Total Chlorine (mg/L)	Persistent Foam (Yes/No)	Wastewater Flow meter (L/min)	Alternate measured Flow	
	Wastewater Discharge	Receiving Water						Depth (cm)	Velocity (cm/sec)
0									
1 11:10	24	23	7.1	3	<1	NO			
2 12:10	23	23	7.2	4	<1	NO			
3 1:10	23	22	7.5	3	<1	NO			
4 2:10	24	23	7.4	2	<1	NO			
5 3:10	25	24	7.5	4	<1	NO			
6 4:10	24	22	7.0	3	<1	NO			
Ave*	23.8	22.8	7.2	3.1	<1	NO			

*reported with lab data