



**BUREAU  
VERITAS**

# LAB REPORT

<b>Report Number</b>	(6723)123-0381
<b>Date of sampling</b>	02/05/2023
<b>Reporting Date</b>	13/05/2023

<b>Audit ID</b>	140210	<b>Audit firm</b>	Bureau Veritas – NOIDA, INDIA
<b>Company name</b>	CTA APPARELS PVT LTD		
<b>Contact person</b>	MR. C. SATHESH KUMAR		
<b>Type of tax - tax ID no</b>	GSTIN - 09AAACC0719P1ZH		
<b>Address</b>	P-26,27,28,29, TEXTILE CENTRE YOJANA, PILKHUWA, HAPUR,		
<b>Region state province</b>	UTTAR PRADESH		
<b>Town city / village</b>	HAPUR, INDIA		
<b>Zip/Post code</b>	245304		

<b>Type of wastewater discharge</b>	
Type of waste discharge	Indirect Discharge
Description of the discharge	Discharge to Municipal Sewage connected to Noida Authority STP Plant
Ambient temperature of receiving water body (direct discharge only):	Not Applicable

<b>Sampler accreditation certification number (ZDHC):</b>	<b>C74D106818745</b>
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<b>Sample description</b>			
	<b>Simple</b>	<b>Composite</b>	<b>Comments</b>
(1) Wastewater before treatment	NO	YES, Transparent Composite sample at 10:45, 11:45, 12:45, 13:45, 14:45, 15:45, 16:45	7 samples with no less than 1 hour between
(2) Wastewater after treatment	NO	YES, Transparent Composite sample at 10:47, 11:47, 12:47, 13:47, 14:47, 15:47, 16:47	7 samples with no less than 1 hour between
(3) Sludge	NO	YES, Dark Brown Solid at 15:30	/

Bureau Veritas Consumer Products Services (India) Pvt. Ltd.  
C-19, Sec – 7 Noida (U.P.) 201301  
PH: 4368283/205

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.



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Local Legal Data	
Local Legal Standard name [a]	UTTAR PRADESH POLLUTION CONTROL BOARD
Parameters (ZDHC WWG V2.1, Table 2 & 3) exceeded local regulation:	No exceeded
Discharge permit provided	YES
Discharge flow data	Not Applicable

Internal description – Final Test Report	
Internal codification number	Not Applicable
Reference sample number	Sample 1 for before treatment, Sample 2 for After treatment & Sample 3 for Sludge
Received on	03/05/2023
Analysis carried out from	03/05/2023 to 13/05/2023
Arrival Temperature at Lab	6.1°C
Comments	1. Samples received in good condition within holding time and temperature 2. Results relate only to the items tested.
Reporting date	13/05/2023

If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing

AMIT SRIVASTAVA / SHUBHAM.GOYAL  
Email: amit.srivastava@bureauveritas.com /  
shubham.goyal@bureauveritas.com  
Phone: 0120-4368205

Technical enquiry-Chemical

RAMESH KUMAR / SUMANTA KUMAR SWAIN  
Email: ramesh.kumar@bureauveritas.com, sumanta.swain@bureauveritas.com  
Phone: 0120-4368206, 0120-4368264

This report shown the test result of the auxiliary chemical and/or raw material samples, which collected during particular factory audit. The results of this report shall not be used for any regulatory compliance purposes.

The sampling is agreed with client. Sampling procedure refers to ZDHC Wastewater and Sludge Laboratory Sampling and Analysis Plan.

**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (INDIA) PVT. LTD.**

**Approved by:**

**SUMANTA KUMAR SWAIN**  
Chief Lab Manager- Analytical



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Summary of test results				
Test items	Sample 1 (Before treatment)	Sample 2 (After treatment)	Sample 3 (Sludge)	Sample 4 (Leachate)
Global effluent parameters ZDHC	NA	NA	ND	NA
Heavy metals	NA	ND	ND	NA
Alkylphenols (APs) & Alkylphenol ethoxylates (APEOs)	ND	NA	ND	NA
Chlorobenzenes & Chlorotoluenes	ND	NA	ND	NA
Chlorophenols	ND	NA	NA	NA
Restricted Aromatic Amines (Cleavable from Azo-colourants)	ND	NA	NA	NA
Dyes – Carcinogenic or Equivalent Concern	ND	NA	NA	NA
Dyes – Disperse (Sensitising)	ND	NA	NA	NA
Flame retardants	ND	NA	NA	NA
Glycols	ND	NA	NA	NA
Halogenated Solvents	ND	NA	NA	NA
Organotin compounds	ND	NA	NA	NA
Phthalates	ND	NA	NA	NA
Perfluorinated and Polyfluorinated Chemicals (PFCs)	ND	NA	NA	NA
Polycyclic Aromatic Hydrocarbons (PAHs)	ND	NA	ND	NA
Volatile Organic Compounds (VOCs)	ND	NA	NA	NA
Anti-Microbials & Biocides	ND	NA	NA	NA
Chlorinated Parafins	ND	NA	NA	NA
N,N-di-methylformamide (DMFa)	NA	NA	NA	NA
Dyes – Navy Blue Colourant	ND	NA	NA	NA
Other / Miscellaneous Chemicals	ND	NA	NA	NA
UV Absorbers	ND	NA	NA	NA

**Remark (Indicated in each parameter)**

- |  |  |
|--|--|
| ND = Not detected  | NA = Not applicable  |
| D = Detected   | - = Did not perform  |
| * = See remark   | (f) = Parameter tested in field  |
| @ = Maximum holding time exceeded,<br>Red flag in the ZDHC Gateway – Wastewater Module.<br>Probable error in results due to the holding time.            | (T) = Handling temperature exceeded  |
| # = Non accredited parameter   | (S) = Analysis was subcontracted for testing - Testtex India<br>Laboratories Pvt Ltd |
| [a] = The local legal standard name and legal standard number is referenced to discharge permit (or contractual agree by CETP) that provided by company. |  |

## Test results

### 1. Global effluent parameters

Parameters	Test Method	Limit			Reporting limit	Result Sample 2 (After Treatment)	Unit
		Foundational	Progressive	Aspirational			
Temperature difference	USEPA 170.1 or GB/T 13195	Δ+15	Δ+10	Δ+5	N/A	NA	°C
TSS	ISO 11923, USEPA 160.2, APHA 2540D or GB/T 11901	50	15	5	5	NA	mg/L
COD	ISO 6060, USEPA 410.4, APHA 5220D or GB/T 11914	150	80	40	40	NA	mg/L
Total-N	ISO 5663, ISO 29411, USEPA 351.2, APHA 4500P-J, APHA 4500N-C/ HJ 636 or GB 11891	20 mg/L	10 mg/L	5 mg/L	5	NA	mg/L
pH	With reference to ISO 10523, EPA 150.2, APHA 4500-H+	6-9	6-9	6-9	N/A	NA	/
Colour [m-1]	ISO 7887-A or B	7;5;3	5;3;2	2;1;1	N/A	NA	m <sup>-1</sup>
BOD <sub>5</sub>	ISO 5815-1 & -2, EN1899-1, USEPA 405.1, APHA 5210B or HJ 505	30	15	8	8	NA	mg/L
Ammonium-N	ISO 11732, ISO 7150, USEPA 350.1, APHA 4500 NH3-N, HJ 535 or HJ 536	10	1	0.5	0.5	NA	mg/L
Total-P	ISO 11885, ISO 6878, USEPA 365.4, APHA 4500P-J or GB/T 11893	3	0.5	0.1	0.1	NA	mg/L
AOX	ISO 9562, EN ISO 9563, USEPA 1650, HJ.T 83-2001	3	0.5	0.1	0.1	NA	mg/L
Oil and grease	ISO 9377-2, USEPA 1664 or HJ 637	10	2	0.5	0.5	NA	mg/L
Phenol	ISO 14402, APHA 5530B, C, D or HJ 503	0.5	0.01	0.001	0.001	NA	mg/L
E.Coli	SM 9221B, SM9221F / G	126	126	126	126	NA	[MPN/100 ml]
Foam	/	Not visible	Not visible	Not visible	N/A	NA	/
Cyanide	ISO 6703-1 & 2, ISO 14403-1 & 2, USEPA 335.2, APHA 4500-CN or HJ 484	0.2	0.1	0.05	0.05	NA	mg/L
Sulfide	ISO 10530, SM 4500-S2-D, E, G or I, GB/T 16489 or IS 3025 (part 29)	0.5	0.05	0.01	0.01	NA	mg/L



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Sulfite	ISO 10304-3, SM 4500-SO32-C or HJ 84-2016	2	0.5	0.2	0.2	NA	mg/L
DO	ISO 5814, EPA 360.1 or HJ 506	Sample and report only			N/A	NA	mg/L
Total Chlorine	ISO 7393-2, EPA 330.5 or HJ 586	Sample and report only			N/A	NA	mg/L
TDS	APHA 2540C, GB/T 5750.4	Sample and report only			5	NA	mg/L
Chloride	ISO 10304-1, ISO 15923-1, USEPA 300, HJ 84-2016, IS 3025 (part 32)	Sample and report only			N/A	NA	mg/L
Sulfate	ISO 10304-1, ISO 15923-1, USEPA 300, HJ 84-2016, IS 3025 (part 24)	Sample and report only			N/A	NA	mg/L
Wastewater Flowrate	/	-			N/A	NA	m <sup>3</sup> /day



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## 2. Heavy metals

With reference to ISO 11885, ISO 18412, ISO 12846, ISO 17852, US EPA 200.7, US EPA 200.8, US EPA 6010c, US EPA 6020a, US EPA 218.6 and by Inductively Coupled Argon Plasma-Mass Spectrometry (ICP-MS) analysis.

Heavy metals	CAS no.	Limit			Reporting limit (mg/L)	Result Sample 2 (After Treatment)	Unit
		Foundational	Progressive	Aspirational			
Arsenic (As)	Various	0.05	0.01	0.005	0.005	ND	mg/L
Cadmium (Cd)	Various	0.1	0.05	0.01	0.01	ND	mg/L
Mercury (Hg)	Various	0.01	0.005	0.001	0.001	ND	mg/L
Lead (Pb)	Various	0.1	0.05	0.01	0.01	ND	mg/L
Antimony (Sb)	Various	0.1	0.05	0.01	0.01	NA	mg/L
Cobalt (Co)	Various	0.05	0.02	0.01	0.01	NA	mg/L
Nickel (Ni)	Various	0.2	0.1	0.05	0.05	NA	mg/L
Silver (Ag)	Various	0.1	0.05	0.005	0.005	NA	mg/L
Copper (Cu)	Various	1	0.5	0.25	0.25	NA	mg/L
Zinc (Zn)	Various	5.0	1.0	0.5	0.5	NA	mg/L
Total Chromium (Cr)	Various	0.2	0.1	0.05	0.05	NA	mg/L
Chromium VI (Cr VI)	Various	0.05	0.005	0.001	0.001	ND	mg/L
Barium (Ba)	Various	Sample and report only			1	NA	mg/L
Selenium (Se)	Various	Sample and report only			1	NA	mg/L
Tin (Sn)	Various	Sample and report only			1	NA	mg/L

### Remark

ND	=	Not detected	NA	=	Not applicable
D	=	Detected	-	=	Did not perform
*	=	See remark	(f)	=	Parameter tested in field
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### 3. Alkylphenols (APs) & Alkylphenoethoxylates (APEOs)

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

Alkylphenols (APs) & Alkylphenoethoxylates (APEOs)	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Octylphenol (OP)	140-66-9/ 1806-26-4/ 27193-28-8	0.005	ND	ppm
Nonylphenol (NP)	104-40-5/ 11066-49-2/ 25154-52-3/ 84852-15-3	0.005	ND	ppm
Octylphenoethoxylates (OPEOs)	9002-93-1/ 9036-19-5/ 68987-90-6	0.005	ND	ppm
Nonylphenoethoxylates (NPEOs)	9016-45-9/ 26027-38-3/ 37205-87-1/ 68412-54-4/ 127087-87-0	0.005	ND	ppm

### 4. Chlorobenzenes & Chlorotoluenes

USEPA 8260D, 8270E, Purge and Trap, Head Space, Dichloromethane extraction followed by GC-MS

Chlorobenzenes & Chlorotoluenes	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
1,2-Dichlorobenzene	95-50-1	0.0002	ND	ppm
Other isomers of mono-, di-, tri-, tetra-, penta-, and hexa- chlorobenzene and mono-, di-, tri-, tetra-, and penta- chlorotoluene	Various	0.0002	ND	ppm

### 5. Chlorophenols

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

Chlorophenols	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
2-Chlorophenol	95-57-8	0.0005	ND	ppm
3-Chlorophenol	108-43-0	0.0005	ND	ppm
4-Chlorophenol	106-48-9	0.0005	ND	ppm
2,3-Dichlorophenol	576-24-9	0.0005	ND	ppm
2,4-Dichlorophenol	120-83-2	0.0005	ND	ppm
2,5-Dichlorophenol	583-78-8	0.0005	ND	ppm
2,6-Dichlorophenol	87-65-0	0.0005	ND	ppm
3,4-Dichlorophenol	95-77-2	0.0005	ND	ppm
3,5-Dichlorophenol	591-35-5	0.0005	ND	ppm
2,4,6-Trichlorophenol	88-06-2	0.0005	ND	ppm



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2,3,5-Trichlorophenol	933-78-8	0.0005	ND	ppm
2,3,6-Trichlorophenol	933-75-5	0.0005	ND	ppm
2,4,5-Trichlorophenol	95-95-4	0.0005	ND	ppm
2,3,4-Trichlorophenol	15950-66-0	0.0005	ND	ppm
3,4,5-Trichlorophenol	609-19-8	0.0005	ND	ppm
2,3,4,5-Trichlorophenol	4901-51-3	0.0005	ND	ppm
2,3,4,6-Tetrachlorophenol	58-90-2	0.0005	ND	ppm
2,3,5,6-Tetrachlorophenol	935-95-5	0.0005	ND	ppm
Pentachlorophenol (PCP)	87-86-5	0.0005	ND	ppm

#### 6. Restricted Aromatic Amines (Cleavable from Azo-colourants)

Reduction step with sodium dithionite, solvent extraction EPA 8270E and ISO 14362-1 GC/MS and LC/MS/MS

Azo Dyes	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
4,4-Methylene-bis-(2-chloro-aniline)	101-14-4	0.0001	ND	ppm
4,4-methylenedianiline	101-77-9	0.0001	ND	ppm
4,4-Oxydianiline	101-80-4	0.0001	ND	ppm
4-Chloroaniline	106-47-8	0.0001	ND	ppm
3,3-Dimethoxybenzidine	119-90-4	0.0001	ND	ppm
3,3-Dimethylbenzidine	119-93-7	0.0001	ND	ppm
6-methoxy-m-toluidine	120-71-8	0.0001	ND	ppm
2,4,5-Trimethylaniline	137-17-7	0.0001	ND	ppm
4,4-Thiodianiline	139-65-1	0.0001	ND	ppm
4-Aminoazobenzene	60-09-3	0.0001	ND	ppm
4-methoxy-m-phenylenediamine	615-05-4	0.0001	ND	ppm
4,4-methylenedi-o-toluidine	838-88-0	0.0001	ND	ppm
2,6-Xylidine	87-62-7	0.0001	ND	ppm
o-Anisidine	90-04-0	0.0001	ND	ppm
2-Naphthylamine	91-59-8	0.0001	ND	ppm
3,3'-Dichlorobenzidine	91-94-1	0.0001	ND	ppm
4-Aminobiphenyl	92-67-1	0.0001	ND	ppm
Benzidine	92-87-5	0.0001	ND	ppm
o-Toluidine	95-53-4	0.0001	ND	ppm
2,4-Xylidine	95-68-1	0.0001	ND	ppm





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4-Chloro-o-toluidine	95-69-2	0.0001	ND	ppm
4-Methyl-m-phenylenediamine	95-80-7	0.0001	ND	ppm
o-Aminoazotoluene	97-56-3	0.0001	ND	ppm
5-Nitro-o-toluidine	99-55-8	0.0001	ND	ppm
2-Naphthylammoniumacetate	553-00-4	0.0001	ND	ppm
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.0001	ND	ppm
4-chloro-o-toluidinium chloride	3165-93-3	0.0001	ND	ppm
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisoole sulphate	39156-41-7	0.0001	ND	ppm

**7. Dyes – Carcinogenic or Equivalent Concern**

By Liquid Chromatography Mass Spectrometry (LC-MS) analysis.

Carcinogenic dyes	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
C.I. Direct Black 38	1937-37-7	0.5	ND	ppm
C.I. Direct Blue 6	2602-46-2	0.5	ND	ppm
C.I. Acid Red 26	3761-53-3	0.5	ND	ppm
C.I. Basic Red 9	569-61-9	0.5	ND	ppm
C.I. Direct Red 28	573-58-0	0.5	ND	ppm
C.I. Basic Violet 14	632-99-5	0.5	ND	ppm
C.I. Disperse Blue 1	2475-45-8	0.5	ND	ppm
C.I. Disperse Blue 3	2475-46-9	0.5	ND	ppm
C.I. Basic Blue 26 (with Michler's Ketone >0.1%)	2580-56-5	0.5	ND	ppm
C.I. Basic Green 4 (malachite green chloride)	569-64-2	0.5	ND	ppm
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	0.5	ND	ppm
C.I. Basic Green 4 (malachite green)	10309-95-2	0.5	ND	ppm
Disperse Orange 11	82-28-0	0.5	ND	ppm
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	0.5	ND	ppm
C.I. Acid Violet 49	1694-09-3	0.5	ND	ppm



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**8. Dyes – Disperse (Sensitising)**

By Liquid Chromatography Mass Spectrometry (LC-MS) analysis.

Disperse dyes	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Disperse Yellow 1	119-15-3	0.05	ND	ppm
Disperse Blue 102	12222-97-8	0.05	ND	ppm
Disperse Blue 106	12223-01-7	0.05	ND	ppm
Disperse Yellow 39	12236-29-2	0.05	ND	ppm
Disperse Orange 37/59/76	13301-61-6	0.05	ND	ppm
Disperse Brown 1	23355-64-8	0.05	ND	ppm
Disperse Orange 1	2581-69-3	0.05	ND	ppm
Disperse Yellow 3	2832-40-8	0.05	ND	ppm
Disperse Red 11	2872-48-2	0.05	ND	ppm
Disperse Red 1	2872-52-8	0.05	ND	ppm
Disperse Red 17	3179-89-3	0.05	ND	ppm
Disperse Blue 7	3179-90-6	0.05	ND	ppm
Disperse Blue 26	3860-63-7	0.05	ND	ppm
Disperse Yellow 49	54824-37-2	0.05	ND	ppm
Disperse Blue 35	12222-75-2	0.05	ND	ppm
Disperse Blue 124	61951-51-7	0.05	ND	ppm
Disperse Yellow 9	6373-73-5	0.05	ND	ppm
Disperse Orange 3	730-40-5	0.05	ND	ppm
Disperse Blue 35	56524-77-7	0.05	ND	ppm

**9. Flame retardants**

USEPA 8270E, ISO 22032, USEPA 527 and USEPA 8321B Dichloromethane extraction GC-MS or LC-MS(-MS)

Determined as total boron via ICP

Brominated flame retardants	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	0.025	ND	ppm
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.025	ND	ppm
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	0.025	ND	ppm
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	0.025	ND	ppm
Octabromodiphenyl ether (OctaBDE)	32536-52-0	0.025	ND	ppm



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Bis(2,3-dibromopropyl) phosphate	5412-25-9	0.025	ND	ppm
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	0.025	ND	ppm
Polybromobiphenyls (PBBs)	59536-65-1	0.025	ND	ppm
Tetrabromobisphenol A (TBBPA)	79-94-7	0.025	ND	ppm
Hexabromocyclododecane (HBCDD)	3194-55-6	0.025	ND	ppm
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	0.025	ND	ppm
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	0.025	ND	ppm
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	0.025	ND	ppm
Decabromobiphenyl (DecaBB)	13654-09-6	0.025	ND	ppm
Dibromobiphenyls (DiBB)	Various	0.025	ND	ppm
Octabromobiphenyls (OctaBB)	Various	0.025	ND	ppm
Dibromopropylether	21850-44-2	0.025	ND	ppm
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	0.025	ND	ppm
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	0.025	ND	ppm
Monobromobiphenyls (MonoBB)	Various	0.025	ND	ppm
Monobromodiphenylethers (MonoBDEs)	Various	0.025	ND	ppm
Nonabromobiphenyls (NonaBB)	Various	0.025	ND	ppm
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	0.025	ND	ppm
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	0.025	ND	ppm
Tribromodiphenylethers (TriBDEs)	Various	0.025	ND	ppm
Boric acid	10043-35-3/ 11113-50-1	0.1 <sup>d</sup>	ND	ppm
Diboron trioxide	1303-86-2	0.1 <sup>d</sup>	ND	ppm
Disodium octaborate	12008-41-2	0.1 <sup>d</sup>	ND	ppm
Disodium tetraborate anhydrous	1303-96-4/ 1330-43-4	0.1 <sup>d</sup>	ND	ppm
Tetraboron disodium heptaoxide, hydrate	12267-73-1	0.1 <sup>d</sup>	ND	ppm

d = Limit refers to elemental boron, not the salt

#### 10. Glycols

USEPA 8270E Liquid extraction, LC-MS GC-MS

Glycols	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Bis(2-methoxyethyl)-ether	111-96-6	0.05	ND	ppm
2-ethoxyethanol	110-80-5	0.05	ND	ppm
2-ethoxyethyl acetate	111-15-9	0.05	ND	ppm
Ethylene glycol dimethyl ether	110-71-4	0.05	ND	ppm



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2-methoxyethanol	109-86-4	0.05	ND	ppm
2-methoxyethylacetate	110-49-6	0.05	ND	ppm
2-methoxypropylacetate	70657-70-4	0.05	ND	ppm
Triethylene glycol dimethyl ether	112-49-2	0.05	ND	ppm

### 11. Halogenated Solvents

USEPA 8260D Headspace GC-MS or Purge and trap GC-MS

Chlorinated solvents	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
1,2-Dichloroethane	107-06-2	0.001	ND	ppm
Methylene chloride	75-09-2	0.001	ND	ppm
Trichloroethene	79-01-6	0.001	ND	ppm
Tetrachloroethene	127-18-4	0.001	ND	ppm

### 12. Organotin compounds

ISO 17353 derivatisation with NaB (C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> GC-MS

Organotin compounds	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Mono-, di- and tri-methyltin derivatives	Various	0.00001	ND	ppm
Mono-, di- and tri-butyltin derivatives	Various	0.00001	ND	ppm
Mono-, di- and tri-phenyltin derivatives	Various	0.00001	ND	ppm
Mono-, di- and tri-octyltin derivatives	Various	0.00001	ND	ppm
Tricyclohexyltin (TCyHT)	Various	0.00001	ND	ppm
Dipropyltin compounds (DPT)	Various	0.00001	ND	ppm
Tetrabutyltin compounds (TeBT)	Various	0.00001	ND	ppm
Tripropyltin compounds (TPT)	Various	0.00001	ND	ppm
Tetraoctyltin compounds (TeOT)	Various	0.00001	ND	ppm
Tetraethyltin compounds (TeET)	Various	0.00001	ND	ppm

### 13. Phthalates

USEPA 8270E, ISO 18856 Dichloromethane extraction GC-MS

Phthalates	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	0.01	ND	ppm
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	0.01	ND	ppm



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Di-n-octyl phthalate (DNOP)	117-84-0	0.01	ND	ppm
Di-iso-decyl phthalate (DIDP)	26761-40-0	0.01	ND	ppm
Di-iso-nonyl phthalate (DINP)	28553-12-0	0.01	ND	ppm
Di-n-hexyl phthalate (DnHP)	84-75-3	0.01	ND	ppm
Dibutyl phthalate (DBP)	84-74-2	0.01	ND	ppm
Butyl benzyl phthalate (BBP)	85-68-7	0.01	ND	ppm
Diethyl phthalate (DEP)	84-66-2	0.01	ND	ppm
Di-n-propyl phthalate (DPRP)	131-16-8	0.01	ND	ppm
Di-iso-butyl phthalate (DIBP)	84-69-5	0.01	ND	ppm
Di-cyclohexyl phthalate (DCHP)	84-61-7	0.01	ND	ppm
Di-iso-octyl phthalate (DIOP)	27554-26-3	0.01	ND	ppm
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNU)	68515-42-4/ 68515-50-4	0.01	ND	ppm
1,2-benzenedicarboxylic acid, di-C6-11-branched alkyl esters, C7-rich (DIHP)	71888-89-6/ 84777-06-0	0.01	ND	ppm
Di-n-pentylphthalates	131-18-0	0.01	ND	ppm
Diisopentylphthalates	605-50-5	0.01	ND	ppm
Dinonyl phthalate (DNP)	84-76-4	0.01	ND	ppm

**14. Perfluorinated chemicals (PFCs)**

PFCs: EPA 537:2020, FTOH: BS EN 12673-1999, EPA 8270, PFCs: LC-MSMS, FTOH: GC-MS derivatisation with acetic anhydride followed by GC-MS

Perfluorinated chemicals (PFCs)	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Perfluorooctane sulfonic acid (PFOS) and related substances, Perfluorooctanoic acid (PFOA)	Various	0.00001	ND	ppm
Perfluorooctanoic acid (PFOA) related substances	Various	0.001	ND	ppm

**15. Polycyclic aromatic hydrocarbons (PAHs)**

USEPA 8270E DIN 38407-39 solvent extraction GC-MS

Polycyclic aromatic hydrocarbons (PAHs)	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Benzo(a)pyrene (BaP)	50-32-8	0.001	ND	ppm
Anthracene	120-12-7	0.001	ND	ppm
Pyrene	129-00-0	0.001	ND	ppm
Benzo(ghi)perylene	191-24-2	0.001	ND	ppm
Benzo(e)pyrene	192-97-2	0.001	ND	ppm



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Indeno (1,2,3-cd)pyrene	193-39-5	0.001	ND	ppm
Benzo(j)fluoranthene	205-82-3	0.001	ND	ppm
Benzo(b)fluoranthene	205-99-2	0.001	ND	ppm
Fluoranthene	206-44-0	0.001	ND	ppm
Benzo(k)fluoranthene	207-08-09	0.001	ND	ppm
Acenaphthylene	208-96-8	0.001	ND	ppm
Chrysene	218-01-9	0.001	ND	ppm
Dibenz(a,h)anthracene	53-70-3	0.001	ND	ppm
Benzo(a)anthracene	56-55-3	0.001	ND	ppm
Acenaphthene	83-32-9	0.001	ND	ppm
Phenanthrene	85-01-8	0.001	ND	ppm
Fluorene	86-73-7	0.001	ND	ppm
Naphthalene	91-20-3	0.001	ND	ppm

**16. Volatile organic compounds (VOCs)**

ISO 11423-1 Headspace or Purge and trap GC-MS USEPA 8260D Add ISO 20595 Static headspace for determination of VOC in wastewater

ISO 11423-1 Headspace or Purge and trap GC-MS EPA 8270 BS EN 12673-1999

ISO 11423-1 Headspace or Purge and trap GC-MS USEPA 8260D

HJ 1067 or EPA 8260D or ISO 11423-1

Volatile organic compounds (VOCs)	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Benzene	71-43-2	0.001	ND	ppm
Xylene	1330-20-7	0.001	ND	ppm
o-cresol	95-48-7	0.001	ND	ppm
p-cresol	106-44-5	0.001	ND	ppm
m-cresol	108-39-4	0.001	ND	ppm
Toluene <sup>a</sup>	108-88-3	0.001	ND	ppm

a = report only for mock leather



**17. Anti-Microbials & Biocides**

USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN 12673-1999  
 USEPA 8270E Solvent extraction followed by GC-MS or ISO 14154:2005 and determination by LCMS/LCMSMS

Carcinogenic dyes	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
o-Phenylphenol (+salts)	90-43-7	0.1	ND	ppm
Triclosan	3380-34-5	0.1	ND	ppm
Permethrin	Various	0.5	ND	ppm

**18. Chlorinated Paraffins**

EPA 3510 and analyzed by ISO18219-2:2021 Method for MCCP with GC-MS(NCI) or LC-MS/MS  
 EPA 3510 and analyzed by ISO18219-1:2021, ISO 12010:2019 Methods for SCCP with GC-MS(NCI) or LC-MS/MS

Chlorinated Paraffins	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Medium-chain chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	0.5	ND	ppm
Short-chain chlorinated paraffins (C10-C13)	85535-84-8	0.025	ND	ppm

**19. N,N-di-methylformamide (DMFa)**

EPA 8015, EPA 8270E

N,N-di-methylformamide (DMFa)	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Dimethyl formamide; N,N-dimethylformamide (DMFa) <sup>a</sup>	68-12-2	1	ND	ppm

a = report only for mock leather

**20. Dyes – Navy Blue Colourant**

By Liquid Chromatography Mass Spectrometry (LC-MS) analysis.

Dyes – Navy Blue Colourant	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
Component 1: C <sub>39</sub> H <sub>23</sub> Cl-CrN <sub>7</sub> O <sub>12</sub> S <sub>2</sub> 2Na	118685-33-9	0.5	ND	ppm
Component 2: C <sub>46</sub> H-30CrN <sub>10</sub> O <sub>20</sub> S <sub>2</sub> 3Na	Not allocated	0.5	ND	ppm



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**21. Other /Miscellaneous Chemicals**

By Liquid Chromatography Mass Spectrometry (LC-MS or LC-MS-MS) analysis.  
Determine as total boron and total zinc via ICP

Other /Miscellaneous Chemicals	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	0.5	ND	ppm
Bisphenol A	80-05-7	0.01	ND	ppm
Thiourea	62-56-6	0.05	ND	ppm
Quinoline	91-22-5	0.05	ND	ppm
Borate, zinc salt	12767-90-7	0.1 <sup>b</sup>	ND	ppm
Silica (used in sand blasting) <sup>c</sup>	14464-46-1	/	NA	ppm

b = Limit refers to boron and zinc individually, not the salt

c = Not required to test this parameter as this is related to sand blasting

**22. UV Absorbers**

USEPA 8270 ISO 22032, USEPA 527 and USEPA 8321B.  
Dichloromethane extraction GC-MS or LC-MS(-MS)

UV Absorbers	CAS no.	Reporting limit (ppm)	Result Sample 1 (Before treatment)	Unit
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.1	ND	ppm
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.1	ND	ppm
2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	0.1	ND	ppm
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	0.1	ND	ppm

**23. Sludge Parameters – Step 1 – Metals (Sludge Disposal Pathway = B)**

With reference to EPA 3015A, 6020A, 200.8, 6020B, 3051A and ISO 17294-2 and analyzed by ICP-MS

Sludge Parameters - Metals	CAS no.	Reporting limit (ppm)	Result Sample 3 (Sludge)	Unit
Arsenic	-	5	ND	ppm
Barium	-	200	ND	ppm
Cadmium	-	1	ND	ppm
Cobalt	-	400	ND	ppm
Copper	-	50	ND	ppm
Lead	-	5	ND	ppm





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Nickel	-	20	ND	ppm
Selenium	-	5	ND	ppm
Silver	-	50	ND	ppm
Total Chromium	-	50	87	ppm
Zinc	-	400	ND	ppm
Chromium (VI)	-	20	ND	ppm
Mercury	-	1	ND	ppm
Antimony	-	5	ND	ppm

**24. Sludge Parameters – Step 1 - Anions**

ISO 6703-1 & 2, ISO 14403-1 & 2, USEPA 335.2, APHA 4500-CN or HJ 484

Sludge Parameters - Anions	CAS no.	Reporting limit (ppm)	Result Sample 3 (Sludge)	Unit
Cyanide	-	20	ND	ppm

**25. Sludge Parameters – Step 1 - Conventional**

With reference to ISO 10523, EPA 150.2, APHA 4500-H+  
 USEPA 160.3  
 EPA SW-846 or EPA 9095B  
 EPA 1681

Sludge Parameters - Conventional	CAS no.	Reporting limit (ppm)	Result Sample 3 (Sludge)	Unit
pH	-	/	7.74	-
% Solids	-	/	37.13	%
Paint Filter Test	-	/	Pass	-
Fecal Coliform	-	/	0.1803	MPN/g

**26. Sludge Parameters – Step 1 – MRSL – Alkylphenols (APs) and Alkylphenol Ethoxylates (APEOs): including all isomers**

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

Sludge Parameters – APs and APEOs	CAS no.	Reporting limit (ppm)	Result Sample 3 (Sludge)	Unit
Nonylphenol ethoxylates (NPEO)	Various	0.4	ND	ppm
Nonylphenol (NP), mixed isomers	Various	0.4	ND	ppm
Octylphenol ethoxylates (OPEO)	Various	0.4	ND	ppm
Octylphenol (OP), mixed isomers	Various	0.4	ND	ppm



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**27. Sludge Parameters – Step 1 – MRSL – Polycyclic Aromatic Hydrocarbons (PAHs)**

USEPA 8270E DIN 38407-39 Solvent extraction GC-MS

Sludge Parameters – PAHs	CAS no.	Reporting limit (ppm)	Result Sample 3 (Sludge)	Unit
Acenaphthene	83-32-9	0.2	ND	ppm
Acenaphthylene	208-96-8	0.2	ND	ppm
Anthracene	120-12-7	0.2	ND	ppm
Benzo[a]anthracene	56-55-3	0.2	ND	ppm
Benzo[a]pyrene (BaP)	50-32-8	0.2	ND	ppm
Benzo[b]fluoranthene	205-99-2	0.2	ND	ppm
Benzo[e]pyrene	192-97-2	0.2	ND	ppm
Benzo[ghi]perylene	181-24-2	0.2	ND	ppm
Benzo[j]fluoranthene	205-82-3	0.2	ND	ppm
Benzo[k]fluoranthene	207-08-9	0.2	ND	ppm
Chrysene	218-01-9	0.2	ND	ppm
Dibenz[a,h]anthracene	53-70-3	0.2	ND	ppm
Fluoranthene	206-44-0	0.2	ND	ppm
Fluorene	86-73-7	0.2	ND	ppm
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	ND	ppm
Naphthalene	91-20-3	0.2	ND	ppm
Phenanthrene	85-01-8	0.2	ND	ppm
Pyrene	129-00-0	0.2	ND	ppm

**28. Sludge Parameters – Step 1 – MRSL – Chlorotoluenes**

USEPA 8260D, 8270E, Purge and Trap, Head Space, Dichloromethane extraction followed by GC-MS

Sludge Parameters – Chlorotoluenes	CAS no.	Reporting limit (ppm)	Result Sample 3 (Sludge)	Unit
Isomers of mono-, di-, tri-, tetra- and penta chlorotoluene	Various	0.2	ND	ppm



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**29. Sludge Parameters – Step 2 – Metals**

With reference to EPA 3015A, 6020A, 200.8, 6020B, 3051A and ISO 17294-2 and analyzed by ICP-MS

Sludge Parameters – Step 2 - Metals	CAS no.	Reporting limit (ppm)	Result Sample 4 (Leachate)	Unit
Antimony	-	/	NA	ppm
Arsenic	-	/	NA	ppm
Barium	-	/	NA	ppm
Cadmium	-	/	NA	ppm
Cobalt	-	/	NA	ppm
Copper	-	/	NA	ppm
Lead	-	/	NA	ppm
Nickel	-	/	NA	ppm
Selenium	-	/	NA	ppm
Silver	-	/	NA	ppm
Total Chromium	-	/	NA	ppm
Zinc	-	/	NA	ppm
Chromium (VI)	-	/	NA	ppm
Mercury	-	/	NA	ppm

**Remark**

- |   |  |
|---|--|
| ND = Not detected   | NA = Not applicable                                  |
| D = Detected  | - = Did not perform                                  |
| * = See remark  | (f) = Parameter tested in field                      |
| @ = Maximum holding time exceeded,<br>Red flag in the ZDHC Gateway – Wastewater Module.<br>Probable error in results due to the holding time. | (T) = Handling temperature exceeded                  |
|   | (S) = Analysis was subcontracted for testing - xxxxx |

**Annex A: Sampling photos & Sampling locations**

Sample 1 – Sampling Point  
N/S 28.699948", E/W 77.674833"



Sample 1 – Labelled Sample Bottles



Sample 1 – Sample Packaging



Sample 1 – Sampling Point Surrounding Environment  
N/S 28.699948", E/W 77.674833"



Sample 1 – Sample for Phthalate Test



**Annex A: Sampling photos & Sampling locations (continued)**

Sample 2 – Sampling Point  
N/S 28.700329", E/W 77.674456"



Sample 2 – Labelled Sample Bottles



Sample 2 – Sample Packaging



Sample 2 – Sampling Point Surrounding Environment  
N/S 28.700329", E/W 77.674456"



Sample 2 – pH Measurement



**Annex A: Sampling photos & Sampling locations (continued)**

Sample 3 – Sampling Point  
N/S 28.700163", E/W 77.674666"



Sample 3 – Labelled Sample Bottles



Sample 3 – Sampling Point Surrounding Environment  
N/S 28.700163", E/W 77.674666"



Sample 3 – Sample Packaging







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Annex B: On-site Field Data Record Sheet

	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)</b>	CPSD-AN-00613-DATA 04
		Issue Date:
		Version No.: 18 Business Line: Analytical

**General Data**

Laboratory Sample Number: 6723-1230381

Client Name: CTA Apparel Pvt. Ltd.

Field Contact Person: C. Sateesh Kumar Phone No: 9857818572

Project (Facility Name and Address): CTA Apparel Pvt Ltd., P-26, p-29, Pilakunda, NARUR

Sample Identification: Zero discharge with sampling plan

Sample Type: Composite Sample / Grab sample (Please delete as appropriate)

Discharge mode: Direct discharge to environment (Specify destination: River, Sea, Stream...) OR Indirect discharge to sewage treatment plant

Date of collection:

Factory Type: Dyeing / Printing / Washing / Finishing / Others (please specify):  
Note: It would be selected more than one

**Sampling Collection Information**

Sampling Location / Description: Ch - Inlet

Sampling Device Description/ Owner:

Sampling mode: Autosampler/ Manual

**Sampler Information**

Sampler Name/Email: Abhishek / abhishekkumar0017@gmail.com

Sampler ZDHC Accredited no.: C74D106818745

ZDHC Composite Sample Code:

**Field Data for Wastewater**

Arrival Time	<u>10:30 AM</u>	Departure Time:	<u>4:50 PM</u>	Flow rate: <u>25</u> (volume/min) <sup>m<sup>3</sup>/h</sup>
Field Parameters	pH: <u>8.56</u>	Temp: <u>35.4</u> °C	Color: <u>Blue</u>	
Control No. of field equipment				
Factory with effluent treatment plant	Yes			
Sample matrix:	Incoming water (if required)			
	Wastewater before treatment <input checked="" type="checkbox"/>			
	Wastewater after treatment - water at discharge point			
Sampler container number				

**ZDHC Wastewater Flow Device Dimensions**

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

**ZDHC Wastewater Sampling Field Testing QA/QC**

Parameter	Laboratory control sample (LCS) Known	LCS Measured	Accuracy %
pH			
Total Chlorine			

**ZDHC Wastewater Sample Collection Field Test Measurements**


Sampling Time (Hours)	0							Average (Report with lab data)	
	1	2	3	4	5	6			
Recording time	ID							--	
Temp (°C)	Time	<u>10:45</u>	<u>11:45</u>	<u>12:45</u>	<u>1:45</u>	<u>2:45</u>	<u>3:45</u>	<u>4:45</u>	--
	Wastewater Discharge	<u>35.5</u>	<u>35.4</u>	<u>35.5</u>	<u>35.6</u>	<u>35.5</u>	<u>35.7</u>	<u>35.5</u>	
pH	Receiving Water	<u>27.6</u>	<u>27.8</u>	<u>27.8</u>	<u>27.6</u>	<u>27.7</u>	<u>27.7</u>	<u>27.7</u>	
	Dissolved Oxygen (mg/L)	<u>6.34</u>	<u>6.34</u>	<u>6.33</u>	<u>6.33</u>	<u>6.34</u>	<u>6.34</u>	<u>6.34</u>	
Total Chlorine (mg/L)		<u>8.56</u>	<u>8.55</u>	<u>8.56</u>	<u>8.55</u>	<u>8.56</u>	<u>8.56</u>	<u>8.56</u>	
	Persistent Foam (Yes/No):	<u>0.7</u>	<u>0.7</u>	<u>0.6</u>	<u>0.7</u>	<u>0.6</u>	<u>0.7</u>	<u>0.7</u>	
Wastewater Flow meter (L/min):		<u>25.1</u>	<u>25.0</u>	<u>25.1</u>	<u>25.2</u>	<u>24.9</u>	<u>24.9</u>	<u>25.0</u>	
	Alternate measured Flow	Depth (cm)							
Color (visual estimation):	Velocity (cm/sec)								
					<u>Blue</u>				
Volume collected, mL		<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	
Total volume collected		<u>10.5 Hr.</u>	Remark: Total volume collected must be greater than total of sample size required						



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**Annex B: On-site Field Data Record Sheet (continued)**

	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)</b>		CPSD-AN-00613-DATA 04
			Issue Date:
			Version No.: 18
			Business Line: Analytical

Analysis Required and Preservation Method				
Tests (ZDHC MRSI Parameters)	Test required (v)	Total of sample size	Preservation method (Store sample at 2-8°C)	
Combined test or individual test (Remark 4)	1 Phthalate	✓	1000 mL total or 1000 mL each	
	2 Chlorobenzenes, Chlorotoluene & PAH	✓		
	3 SCCPs	✓		
	4 APS	✓		
5. APEOs	✓	100 mL	Amber Glass, washed with nitric acid, Without adding acid	
6. Chlorophenols & Cresols	✓	100 mL		
7. Flame retardant	✓	500 mL		
8. Dyes	✓	10 mL		
9. Glycol	✓	50 mL		
10. *Pesticides	✓	1000 mL		
11. *Nitrosamine	✓	10 mL		
12. Banned Azodyes	✓	2000 mL		
13. *Free primary aromatic amines	✓	500 mL		
14. Organotin Compounds	✓	500 mL		
15. UV absorbers	✓	100		
16. BPA	✓	2		
17. Preservatives		52		
18. VOC & Halogenated Solvents (Remark 6)	✓	10 mL		Fill to full container without air gap, acidify to pH 2 with HCl
19. PFCs (Remark 6)	✓	2 mL		PE, washed with pesticide grade Acetone Without adding acid






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Annex B: On-site Field Data Record Sheet (continued)

	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)</b>		<b>CPSD-AN-00613-DATA 04</b>
			<b>Issue Date:</b>
			<b>Version No.: 18</b>
			<b>Business Line: Analytical</b>

Tests (Conventional Parameters)	Test required (v)	Total of sample size	Type of container	Preservation method (Store sample at 2-4°C)
<b>Combined test or Individual test (Remark 4)</b> 20 Total suspended solids (TSS) 21 Total dissolved solids (TDS)		2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid.	Without adding acid
22. 5-day Biochemical Oxygen Demand (BOD5)		1000 mL		
23. Colour		100 mL		
24. Heavy Metals except Cr(VI) & Total-P (Remark 6)		9 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO <sub>3</sub>
25. Cyanide		500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
26. Cr(VI)		95 mL		Filter by 0.45µm filter in field, fill to full container without air gap, adjust pH to 9.0-9.5 by adding ammonium buffer
27. Chemical oxygen demand (COD)		150 mL		
28. Phenols		500 mL	Amber Glass, washed with nitric acid	Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
29. Oil and Grease & Total Hydrocarbon		1000 mL		
30. *Formaldehyde		25 mL		Fill to full container without air gap; acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
31. Sulfide (Remark 5)		50 mL	PE, washed with pesticide grade Acetone;	Fill to full container without air gap; add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH
32. E.coli (Remark 6)		125 mL	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> keep in dark
33. Sulfite		100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA
34. Total-N		100 mL		
35. Ammonium-N		500 mL		Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
36. Adsorbable organically bound halogens (AOX)		100 mL		Acidify to pH 2 with HNO <sub>3</sub>
37. Acute aquatic toxicity Luminous Bacteria, Fish Egg, Daphne, Algae;		1000 mL	Amber Glass, washed with nitric acid;	
38. Sulphate		100 mL		Without adding acid
39. Chloride		100 mL		
40. Others:				

\*Remarks:

- Individual sampling can be performed upon request
- The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.
- Scope of ZDHC guideline: Parameter 1-9, 12, 14-29, 31-35, 38, 39  
 Scope of synthetic leather industry: Parameter 1-9, 12, 14-24, 26-29, 31, 32, 34, 35, 38, 39  
 Scope of MMCF: Parameter 5, 18, 20, 22-24, 26-29, 31, 34-37  
 Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-G00019-STIP01, locations with those CPSD test capability inside TCD matrix can perform the combined test.
- Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.
- Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by: Abhishek Date: 9/5/23

Comment from factory

Acknowledgement: I hereby confirm that Bureau Veritas has completed the stated sampling activity at captioned date, time and location. All sample(s) is/are collected in designated containers and without any absorption in leakage. Sample(s) collected by Bureau Veritas is/are stored in portable freezer / fridge that is maintained in 1-6°C

Signature of factory representative: C. SATHESHKUMAR Date: 9/5/23



Report Number

(6723)123-0381

Annex B: On-site Field Data Record Sheet (continued)


	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE</b> (COMPOSITE / INDIVIDUAL SAMPLING)	CPSD-AN-00613-DATA 04 Issue Date: _____ Version No.: 18 Business Line: Analytical							
<b>General Data</b> Laboratory Sample Number: <u>6723-1230381</u> Client Name: <u>CTA Apparels Pvt Ltd.</u> Field Contact Person: <u>C. Sateesh Kumar</u> Phone No: <u>9857818572</u> Project (Facility Name and Address): <u>CTA Apparels Pvt Ltd., P-26, P-29, Piplakhuda, Hapur</u> Sample Identification: <u>Zero discharge with sampling plan</u> Sample Type: <u>Composite-Sample / Grab sample (Please delete as appropriate)</u> Discharge mode: <u>Direct discharge to environment (Specify destination: River, Sea, Stream, ...) OR indirect discharge to sewage treatment plant</u> Date of collection: _____ Factory Type: <u>Dyeing / Printing / Washing / Finishing / Others (please specify):</u> <small>*Note: It would be selected more than one</small>									
<b>Sampling Collection Information</b> Sampling Location / Description: <u>Eff - Outlet</u> Sampling Device Description/ Owner: _____ Sampling mode: <u>Autosampler/ Manual</u>									
<b>Sampler Information</b> Sampler Name/ Email: <u>Abhishek / abhishekkumar20017@gmail.com</u> Sampler ZDHC Accredited no: <u>C74D1067818745</u> ZDHC Composite Sample Code: _____									
<b>Field Data for Wastewater</b>									
Arrival Time:	<u>10:30 AM</u>	Departure Time:	<u>4:50 PM</u>	<u>m3/h</u>					
Field Parameters	pH: <u>7.35</u>	Temp: <u>25.2</u> °C	Color: <u>Colourless</u>	Flow rate: <u>28</u> (volume/min)					
Control No. of field equipment:									
Factory with effluent treatment plant:	Yes <input checked="" type="checkbox"/>		No						
Sample matrix:	Incoming water (If required)								
	Wastewater before treatment								
	Wastewater after treatment – water at discharge point <input checked="" type="checkbox"/>								
Sampler container number:									
<b>ZDHC Wastewater Flow Device Dimensions</b>									
Measurement (cm)	Meter	Pipe (O)	Flume (U)	Wier (V)					
Diameter	NA								
Depth	NA	NA	NA						
<b>ZDHC Wastewater Sampling Field Testing QA/ QC</b>									
Parameter	Laboratory control sample (LCS) Known	LCS Measured	Accuracy %						
pH									
Total Chlorine									
<b>ZDHC Wastewater Sample Collection Field Test Measurements</b>									
Sampling Time (Hours)	0	1	2	3	4	5	6	Average (Report with lab data)	
Recording time	ID							--	
	Time	<u>10:47</u>	<u>11:47</u>	<u>12:47</u>	<u>1:47</u>	<u>2:47</u>	<u>3:47</u>	<u>4:47</u>	--
Temp (°C)	Wastewater Discharge	<u>25.2</u>	<u>25.2</u>	<u>25.1</u>	<u>25.1</u>	<u>25.2</u>	<u>25.3</u>	<u>25.1</u>	
	Receiving Water	<u>24.7</u>	<u>24.6</u>	<u>24.7</u>	<u>24.6</u>	<u>24.5</u>	<u>24.4</u>	<u>24.7</u>	
pH:	<u>7.35</u>	<u>7.34</u>	<u>7.35</u>	<u>7.36</u>	<u>7.35</u>	<u>7.35</u>	<u>7.35</u>	<u>7.35</u>	
Dissolved Oxygen (mg/L):	<u>7.13</u>	<u>7.12</u>	<u>7.13</u>	<u>7.14</u>	<u>7.13</u>	<u>7.13</u>	<u>7.12</u>	<u>7.12</u>	
Total Chlorine (mg/L):	<u>0.6</u>	<u>0.7</u>	<u>0.6</u>	<u>0.6</u>	<u>0.7</u>	<u>0.6</u>	<u>0.6</u>	<u>0.6</u>	
Persistent Foam (Yes/ No):	<u>NO</u>								
Wastewater Flow meter(L/min):	<u>28.1</u>	<u>27.8</u>	<u>27.9</u>	<u>28.0</u>	<u>28.1</u>	<u>28.0</u>	<u>28.1</u>		
Alternate measured Flow	Depth (cm)								
	Velocity (cm/sec)								
Color (visual estimation):	<u>Colourless</u>								
Volume collected, mL:	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>	<u>1500</u>		
Total volume collected:	<u>10.5ltr.</u>	Remark: Total volume collected must be greater than total of sample size required							



Report Number

(6723)123-0381

**Annex B: On-site Field Data Record Sheet (continued)**

	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)</b>		<b>CPSD-AN-00613-DATA 04</b>
			<b>Issue Date:</b>
			<b>Version No.:</b> 18
			<b>Business Line:</b> Analytical

Analysis Required and Preservation Method				
Tests (ZDHC MRSI Parameters)	Test required (v)	Total of sample size	Preservation method (Store sample at 2-8°C)	
Combined test or Individual test (Remark 4)	1. Phthalate	1000 mL total or 1000 mL each	Amber Glass, washed with nitric acid, Without adding acid	
	2. Chlorobenzenes, Chlorotoluene & PAH			
	3. SCCPs			
	4. APS			
5. APEOs		100 mL		
6. Chlorophenols & Cresols		100 mL		
7. Flame retardant		500 mL		
8. Dyes		10 mL		
9. Glycol		50 mL		
10. *Pesticides		1000 mL		
11. *Nitrosamine		10 mL		
12. Banned Azodyes		2000 mL		
13. *Free primary aromatic amines		500 mL		
14. Organotin Compounds		500 mL		
15. UV absorbers		100		
16. BPA		2		
17. Preservatives		52		
18. VOC & Halogenated Solvents (Remark 5)		10 mL		Fill to full container without air gap; acidify to pH 2 with HCl
19. PFCs (Remark 6)		2 mL		PE, washed with pesticide grade Acetone Without adding acid



Report Number

(6723)123-0381

**Annex B: On-site Field Data Record Sheet (continued)**

	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)</b>		<b>CPSD-AN-00613-DATA 04</b>
			<b>Issue Date:</b>
			<b>Version No.: 18</b>
			<b>Business Line: Analytical</b>

Tests (Conventional Parameters)	Test required (v)	Total of sample size	Type of container	Preservation method (Store sample at 2-8°C)
<b>Combined test or individual test (Remark 4)</b> 20 Total suspended solids (TSS) 21 Total dissolved solids (TDS)		2000 mL total or 2000 mL each	Amber Glass, washed with nitric acid,	Without adding acid
22 5-day Biochemical Oxygen Demand (BOD5)		1000 mL		
23 Colour		100 mL		
24 Heavy Metals except Cr(VI) & Total-P (Remark 6)	✓	9 mL	PE, washed with nitric acid	Acidify to pH 2 with HNO <sub>3</sub>
25 Cyanide		500 mL	Amber Glass, washed with pesticide grade acetone	Adjust pH 12 with 50% NaOH, add 0.05 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
26 Cr(VI)	✓	95 mL		Filter by 0.45µm filter in field, fill to full container without air gap; adjust pH to 9.0-9.5 by adding ammonium buffer
27 Chemical oxygen demand (COD)		150 mL	Amber Glass, washed with nitric acid	Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
28 Phenols		500 mL		
29 Oil and Grease & Total Hydrocarbon		1000 mL		
30 *Formaldehyde		25 mL		Fill to full container without air gap; acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
31 Sulfide (Remark 5)		50 mL	PE, washed with pesticide grade Acetone;	Fill to full container without air gap; add 2 drops of 2M zinc acetate, adjust pH to 9 with 6M NaOH
32 E. coli (Remark 6)		125 mL	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> keep in dark
33 Sulfite		100 mL	Amber Glass, washed with pesticide grade acetone	Add 1mL of 2.5% EDTA
34 Total-N		100 mL		
35 Ammonium-N		500 mL		Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
36 Adsorbable organically bound halogens (AOX)		100 mL		Acidify to pH 2 with HNO <sub>3</sub>
37 Acute aquatic toxicity: Luminescent Bacteria, Fish Egg, Daphnia, Algae;		1000 mL	Amber Glass, washed with nitric acid,	
38 Sulphate		100 mL		Without adding acid
39 Chloride		100 mL		
40 Others:				

Observation/ Remark:

\*Remarks:

- Individual sampling can be performed upon request
- The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.
- Scope of ZDHC guideline: Parameter 1-9, 12, 14-29, 31-36, 38, 39  
 Scope of synthetic leather industry: Parameter 1-9, 12, 14-24, 26-29, 31, 32, 34, 35, 38, 39  
 Scope of MMCF: Parameter 5, 18, 20, 22-24, 26-29, 31, 34-37  
 Free primary aromatic amine, pesticides, nitrosamine and formaldehyde are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-G00019-ST/PO1, locations with those CPSD test capability inside TCD matrix can perform the combined test
- Refer to CPSD-AN-000570-MTHD for additional pretreatment of sulfide if only dissolved sulfide is required to be tested.
- Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

Recorded by: Abhishek  
 Full name:

Date: 2/05/23

Comment from factory:

Acknowledgement by factory:

I hereby certify that Bureau Veritas has completed the stated sampling activity at captioned date, time and location. All sample(s) is/are collected in designated containers and without any observation on leakage. Sample(s) collected by Bureau Veritas is/are stored in portable freezer / fridge that is maintained in 1-6°C

Signature of Factory Representative:

P. SATHESH KUMAR.  
 Full Name:

Date: 2/5/23.







Report Number

(6723)123-0381

Annex B: On-site Field Data Record Sheet (continued)

	FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)		CPSD-AN-00613-DATA 04
			Issue Date:
			Version No.: 18
		Business Line: Analytical	

**Field Data for Sludge** 6723-1230381

Arrival Time	10:30 AM	Departure Time	4:50 PM
Field Parameters	pH 7.74	Temp 28.1 °C	Flow rate (volume/time) / sludge flux (weight/time)
Control No. of field equipment			
Sampling Time (Hours)	0	1	2
Recording time	ID	3:30	Average (Report with lab data)
	Time	7:74	--
pH		28.1	
Temp (°C)			
Flow rate (volume/time) / sludge flux (weight/time)			
Volume collected, mL			
Total volume collected	6 kg	Remark: Total volume collected must be greater than total of sample size required	

**Analysis Required and Preservation Method**

Factory with effluent treatment plant	Yes <input checked="" type="checkbox"/>	No			
Sample matrix	Sludge in clarifier (sedimentation tank)				
Sampler container number					
Recording time					
Tests (MRSL Parameter)	Test required (v)	Total of sample size	Type of container	Preservation method (Store sample at 2-8°C)	
Combined test or Individual test (Remark 3)	1. Phthalate	✓	Amber Glass, washed with nitric acid	Add 0.2 mL of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (0.008% VW)	
	2. Chlorobenzenes, Chlorotoluene & PAHs	✓			
	3. SCCPs	✓			
	4. APS	✓			
5. APEOs	✓	20 g			
6. Flame retardant		10 g			
7. Dyes		10 g			
8. Glycols		100 g			
9. *Pesticides		20g			
10. Banned Azodyes		20 g			
11. *Free primary aromatic amines		10 g			
12. Chlorophenols & Cresols	✓	20 g			Acidify to -pH 2 with H <sub>2</sub> SO <sub>4</sub> . Add 0.02 mL of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (0.008% WW)
13. Organotin Compounds		10 g			Fill to full container without any air gap and acid add
14. VOC & Halogenated Solvents (Remark 5)		10 g			Fill to full bottle without any air gap. Acidify to -pH 2 with HCl
15. PFCS (Remark 5)		10 g			PE, wash with pesticide garde acetone

Tests (Conventional Parameters)	Test required (v)	Total of sample size	Type of container	Preservation method (Store sample at 2-8°C)
16. Heavy Metals except Cr(VI) (Remark 5)	✓	0.2 g	PE, wash with nitric acid	Acidify to -pH 2 with HNO <sub>3</sub>
17. Cr(VI)	✓	2.5 g	Amber Glass, wash with nitric acid	Fill to full container without any air gap and acid add
18. Adsorbable organically bound halogens (AOX)		1 g		
19. Extractable organochlorides (EOX)		20 g		
20. Total organic carbon (TOC)		20 g		
21. Cyanide	✓	50 g	Amber Glass, wash with pesticide grade acetone	Adjust pH to 12-13 with 50% NaOH
22. Faecal Coliform	✓	20 g	PE, clean, sterile, non-reactive	Add 0.1 ml of 10% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> . keep in dark
23. % Solids	✓	20 g	Amber Glass, wash with nitric acid	Acidify to -pH 2 with HNO <sub>3</sub>
24. Paint Filter Test	✓	20 g		
25. Others				



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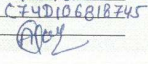
Annex B: On-site Field Data Record Sheet (continued)

	<b>FIELD DATA RECORD ON ZERO DISCHARGE SAMPLE (COMPOSITE / INDIVIDUAL SAMPLING)</b>	<b>CPSD-AN-00613-DATA 04</b>
		Issue Date:
		Version No.: 18
		Business Line: Analytical

\*Remarks

- Individual sampling can be performed upon request.
- The minimum sampling time for 2019 ZDHC guideline is 6 hours with no more than one hour between discrete samples. Sampling time could be adjusted upon request.
- Scope of ZDHC guideline: Parameter 1, 2, 4, 5, 16-17, 21-24  
Scope of synthetic leather industry: Parameter 1, 8, 10, 12-17  
Scope of MMCF: Parameter 16, 18-20  
Free primary aromatic amine and pesticides are not in the scope of ZDHC Guideline, they are tested upon request.
- Refer to CPSD-AN-G00019-S1P01: locations with those CPSD test capability inside TCO matrix can perform the combined test.
- Refer to CPSD-AN-00613-MTHD for preparation of field blank for specific parameters.

**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:	<u>C.T.A APPARELS (P) LTD.</u>	Sampler's Name:	<u>Atul Kumar</u>
Facility Representative Name:	<u>C. SATHESH KUMAR</u>	Sampler's ZDHC Accreditation:	<u>C74D10681745</u>
Facility Representative Signature and stamp:		Sampler's Signature:	



## Annex C: Limit according to regulation / Contract limit with centralized ETP (if proceed)



**Uttar Pradesh Pollution Control Board**  
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010  
Phone:0522-2720828,2720811, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

180741/UPPCB/Noida(UPPCBRO)/CTO/both/NOIDA/2023

Date: 13/04/2023

To,

M/s

CTA APPARELS PVT LIMITED

C-32, SECTOR-58, NOIDA U.P., GAUTAM BUDH NAGAR, 201307

Application Id-  
20383217

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to CTA APPARELS PVT LIMITED located at C-32, SECTOR-58, NOIDA U.P., GAUTAM BUDH NAGAR, 201307, subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions :-

1. This CCA CTA APPARELS PVT LIMITED granted for the period from 23/03/2023 to 31/07/2025 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Readymade Garments	150000	Numbers/Month

2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-

(i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	12.0 KLD	Terminal STP of Noida Authority	Noida Sewer
Industrial	35.0 KLD	ETP	Noida Sewer

(ii) Trade Effluent Treatment and Disposal :-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

**Industrial Effluent Quality Standard**

S.No.	Parameter	Standard
1	pH	As per EP Act, 1986
2	BOD	As per EP Act, 1986



4	TSS	As per EP Act, 1986
5	Oil & Grease	As per EP Act, 1986

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	
2	BOD (mg/L)	
3	TSS (mg/L)	
4	Fecal Coliform (MPN/100ml)	

**3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-**

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

**Air Pollution Source Details**

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	Gen. Set- 380 KVA	dual fuel system (70 % Gas+30 % Diesel)	01	Particulate Matter	4.0 Meter from RL
2	Boiler- 200 Kg/Hour	P.N.G.	02, 03	Particulate Matter	9.0 Meter from GL each
3	Boiler- 600 Kg/Hour	P.N.G.	04	Particulate Matter	9.0 Meter from GL

**Emission Quality Standards**

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	As per EP Act, 1986 & CAQM Orders
2	02, 03	Particulate Matter	As per EP Act, 1986 & CAQM Orders
3	04	Particulate Matter	As per EP Act, 1986 & CAQM Orders

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.





Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

**4. Essential documents to be submitted by the Industry/Unit as Applicable :-**

- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
  - (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will result in legal action under the aforesaid Acts and Rules.
7. In compliance to the G.O 1011/81-7-2021-09 (Writ)2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-<http://www.upecp.in/TrainingSession.aspx> for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.
8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

**General Conditions:-**

- 1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- 2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- 3. Treated Industrial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- 6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

\*\*\*\*\*