



ClearStream

By ZDHC

Organization Name

IRIS Fabrics Ltd.

Address

Zirani Bazar, Kashimpur, Gazipur Gazipur Dhaka
Bangladesh

Email

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Telephone

01817049518

ZDHC ID

A929RW89

HIGG ID

22326

OAR ID

BD20190831T4WMC

TRID

TR669KP18

Wastewater Guideline

ZDHC Wastewater Guideline v2.2

Reporting Cycle

2025-Apr

Reporting Date

17-03-2025

Sample Date

03-03-2025

IRIS Fabrics Ltd. Overview

Sector

Apparel

Materials

Natural Fibers - Plant based origin

Processes

Articles (Apparel, Footwear, Trim), Dyeing,
Embroidery (Panel and fabric embroidery), Fini...

Sample Locations

Effluent, Untreated, Sludge

OA Number

O-P-3127

Discharge Type

Direct

Fibre Type

-

Pre-Treatments

Sludge handling

Major Sludge Pathway

C. Building Products Processed at >1000 oC

% Representation of Sludge Disposal

100%

Average Total Wastewater Generated

1803 m3/day

HIGH LEVEL PERFORMANCE

The section below shows the high-level results from your Laboratory test report in context with the ZDHC Wastewater Guidelines and scoring methodology. The numbers below display scoring of parameters tested that meet requirement set forth by the ZDHC Wastewater Guidelines.

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Conventionals and
Anions

197/197

MRSL

36/36

Metals



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PERFORMANCE BREAKDOWN

The section below shows the detailed results from your Laboratory test report in context with the ZDHC Wastewater Guidelines and scoring methodology.

MRSL

■ Meets Requirements
 ■ Does Not Meet Requirements
 ■ Not Analyzed



Conventional and Anions

■ Aspirational
 ■ Progressive
 ■ Foundational
 ■ Alert
 ■ Not Analyzed



Metals

■ Aspirational
 ■ Progressive
 ■ Foundational
 ■ Alert
 ■ Not Analyzed

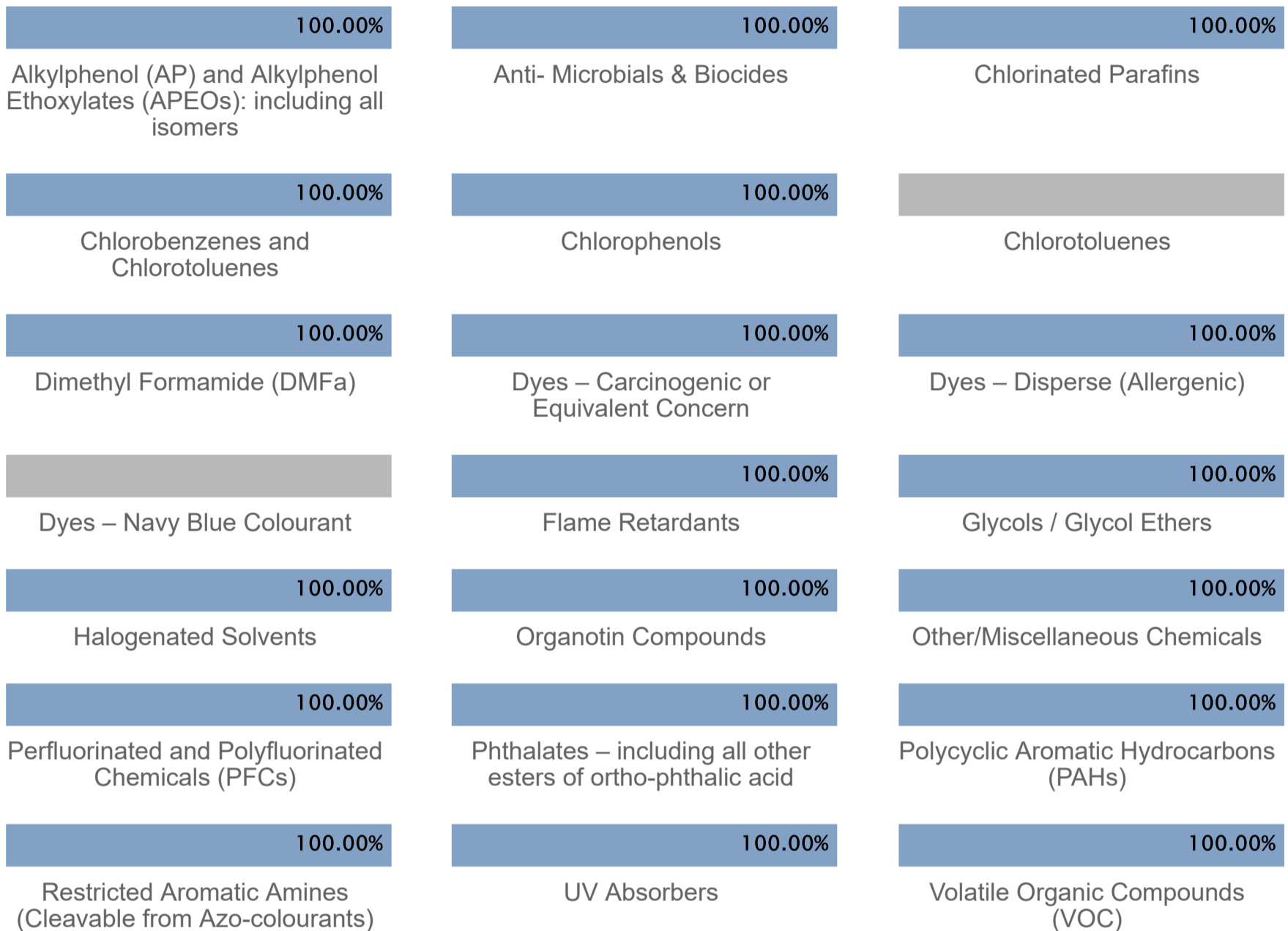


Sludge



Requirements met for
Major Sludge Disposal
Pathway

PARAMETER TYPE DETAILS: MRSL



■ Meets Requirements
 ■ Does Not Meet Requirements
 ■ Not Analyzed
■ Not Required

Parameter	Value
1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP) - (µg/l)	ND
1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP) - (µg/l)	ND
1,2-dichlorobenzene - (µg/l)	ND
1,2-dichloroethane - (µg/l)	ND
2,2-bis(bromomethyl)-1,3-propanediol (BBMP) - (µg/l)	ND
2,3,4,5-tetrachlorophenol - (µg/l)	ND
2,3,4,6-tetrachlorophenol - (µg/l)	ND

Parameter	Value
2,3,4-trichlorophenol - (µg/l)	ND
2,3,5,6-tetrachlorophenol - (µg/l)	ND
2,3,5-trichlorophenol - (µg/l)	ND
2,3,6-trichlorophenol - (µg/l)	ND
2,3-dichlorophenol - (µg/l)	ND
2,4,5-trichlorophenol - (µg/l)	ND
2,4,5-trimethylaniline - (µg/l)	ND



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Parameter	Value
2,4,5-trimethylaniline hydrochloride - (µg/l)	ND
2,4,6-trichlorophenol - (µg/l)	ND
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327) - (µg/l)	ND
2,4-dichlorophenol - (µg/l)	ND
2,4-xylydine - (µg/l)	ND
2,5-dichlorophenol - (µg/l)	ND
2,6-dichlorophenol - (µg/l)	ND
2,6-xylydine - (µg/l)	ND
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) - (µg/l)	ND
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350) - (µg/l)	ND
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) - (µg/l)	ND
2-chlorophenol - (µg/l)	ND
2-ethoxyethanol - (µg/l)	ND
2-ethoxyethyl acetate - (µg/l)	ND
2-methoxyethanol - (µg/l)	ND
2-methoxyethylacetate - (µg/l)	ND
2-methoxypropylacetate - (µg/l)	ND
2-naphthylamine - (µg/l)	ND
2-Naphthylammoniumacetate - (µg/l)	ND
3,3-dichlorobenzidine - (µg/l)	ND
3,3-dimethoxybenzidine - (µg/l)	ND
3,3-dimethylbenzidine - (µg/l)	ND
3,4,5-trichlorophenol - (µg/l)	ND
3,4-dichlorophenol - (µg/l)	ND
3,5- dichlorophenol - (µg/l)	ND
3-chlorophenol - (µg/l)	ND
4,4-methylene- bis-(2-chloro-aniline) - (µg/l)	ND

Parameter	Value
4,4-methylenedi-o-toluidine - (µg/l)	ND
4,4-methylenedianiline - (µg/l)	ND
4,4-oxydianiline - (µg/l)	ND
4,4-thiodianiline - (µg/l)	ND
4-aminoazobenzene - (µg/l)	ND
4-aminodiphenyl - (µg/l)	ND
4-chloro-o-toluidine - (µg/l)	ND
4-chloro-o-toluidinium chloride - (µg/l)	ND
4-chloroaniline - (µg/l)	ND
4-chlorophenol - (µg/l)	ND
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate - (µg/l)	ND
4-methoxy-m-phenylenediamine - (µg/l)	ND
4-methyl-m-phenylenediamine - (µg/l)	ND
5-nitro-o-toluidine - (µg/l)	ND
6-methoxy-m-toluidine - (µg/l)	ND
Acenaphthene - (µg/l)	ND
Acenaphthylene - (µg/l)	ND
AEEA [2-(2-aminoethylamino)ethanol] - (µg/l)	ND
Anthracene - (µg/l)	ND
Basic violet 3 with >0.1% of Michler's Ketone - (µg/l)	ND
Benzene - (µg/l)	ND
Benzidine - (µg/l)	ND
Benzo[a]anthracene - (µg/l)	ND
Benzo[a]pyrene - (µg/l)	ND
Benzo[b]fluoranthene - (µg/l)	ND
Benzo[e]pyrene - (µg/l)	ND
Benzo[ghi]perylene - (µg/l)	ND



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Parameter	Value
Benzo[j]fluoranthene - (µg/l)	ND
Benzo[k]fluoranthene - (µg/l)	ND
Bis(2,3-dibromopropyl) phosphate (BDBPP) - (µg/l)	ND
Bis(2-methoxyethyl) phthalate (DMEP) - (µg/l)	ND
Bis(2-methoxyethyl)-ether - (µg/l)	ND
Bisphenol A - (µg/l)	ND
Boric acid - (µg/l)	ND
Butyl benzyl phthalate (BBP) - (µg/l)	ND
C.I. Acid Red 26 - (µg/l)	ND
C.I. Acid Violet 49 - (µg/l)	ND
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%) - (µg/l)	ND
C.I. Basic Green 4 (Malachite Green Chloride) - (µg/l)	ND
C.I. Basic Green 4 (Malachite Green Oxalate) - (µg/l)	ND
C.I. Basic Green 4 (Malachite Green) - (µg/l)	ND
C.I. Basic Red 9 - (µg/l)	ND
C.I. Basic Violet 14 - (µg/l)	ND
C.I. Direct Black 38 - (µg/l)	ND
C.I. Direct Blue 6 - (µg/l)	ND
C.I. Direct Red 28 - (µg/l)	ND
C.I. Disperse Blue 1 - (µg/l)	ND
C.I. Disperse Blue 3 - (µg/l)	ND
Chrysene - (µg/l)	ND
Decabromobiphenyl (DecaBB) - (µg/l)	ND
Decabromodiphenyl ether (DecaBDE) - (µg/l)	ND
Di(ethylhexyl) phthalate (DEHP) - (µg/l)	ND
Di-cyclohexyl phthalate (DCHP) - (µg/l)	ND
Di-iso-decyl phthalate (DIDP) - (µg/l)	ND

Parameter	Value
Di-iso-octyl phthalate (DIOP) - (µg/l)	ND
Di-isobutyl phthalate (DIBP) - (µg/l)	ND
Di-isononyl phthalate (DINP) - (µg/l)	ND
Di-n-hexyl phthalate (DnHP) - (µg/l)	ND
Di-n-octyl phthalate (DNOP) - (µg/l)	ND
Di-n-pentylphthalates - (µg/l)	ND
Di-n-propyl phthalate (DPRP) - (µg/l)	ND
Dibenz[a,h]anthracene - (µg/l)	ND
Diboron trioxide - (µg/l)	ND
Dibromobiphenyls (DiBB) - (µg/l)	ND
dibromopropylether - (µg/l)	ND
Dibutyl phthalate (DBP) - (µg/l)	ND
Diethyl phthalate (DEP) - (µg/l)	ND
Diisopentylphthalates - (µg/l)	ND
Dimethyl formamide; N,N-di-methylformamide (DMFa) - (µg/l)	ND
Dinonyl phthalate (DNP) - (µg/l)	ND
Dipropyltin compounds (DPT) - (µg/l)	ND
Disodium octaborate - (µg/l)	ND
Disodium tetraborate, anhydrous - (µg/l)	ND
Disperse Blue 102 - (µg/l)	ND
Disperse Blue 106 - (µg/l)	ND
Disperse Blue 124 - (µg/l)	ND
Disperse Blue 26 - (µg/l)	ND
Disperse Blue 35 - (µg/l)	ND
Disperse Blue 7 - (µg/l)	ND
Disperse Brown 1 - (µg/l)	ND
Disperse Orange 1 - (µg/l)	ND



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Parameter	Value
Disperse Orange 11 - (µg/l)	ND
Disperse Orange 3 - (µg/l)	ND
Disperse Orange 37/59/76 - (µg/l)	ND
Disperse Red 1 - (µg/l)	ND
Disperse Red 11 - (µg/l)	ND
Disperse Red 17 - (µg/l)	ND
Disperse Yellow 1 - (µg/l)	ND
Disperse Yellow 3 - (µg/l)	ND
Disperse Yellow 39 - (µg/l)	ND
Disperse Yellow 49 - (µg/l)	ND
Disperse Yellow 9 - (µg/l)	ND
Ethylene glycol dimethyl ether - (µg/l)	ND
Fluoranthene - (µg/l)	ND
Fluorene - (µg/l)	ND
Heptabromodiphenyl ether (HeptaBDE) - (µg/l)	ND
Hexabromocyclodecane (HBCDD) - (µg/l)	ND
Hexabromodiphenyl ether (HexaBDE) - (µg/l)	ND
Indeno[1,2,3-cd]pyrene - (µg/l)	ND
m-cresol - (µg/l)	ND
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17) - (µg/l)	ND
Methylene chloride - (µg/l)	ND
Mono-, di- and tri-butyltin derivatives - (µg/l)	ND
Mono-, di- and tri-methyltin derivatives - (µg/l)	ND
Mono-, di- and tri-octyltin derivatives - (µg/l)	ND
Mono-, di- and tri-phenyltin derivatives - (µg/l)	ND
Monobromobiphenyls (MonoBB) - (µg/l)	ND
Monobromodiphenylethers (MonoBDEs) - (µg/l)	ND

Parameter	Value
Naphthalene - (µg/l)	ND
Nonabromobiphenyls (NonaBB) - (µg/l)	ND
Nonabromodiphenyl ether (NonaBDE) - (µg/l)	ND
Nonylphenol (NP), mixed isomers - (µg/l)	ND
Nonylphenol ethoxylates (NPEO) - (µg/l)	ND
o-aminoazotoluene - (µg/l)	ND
o-anisidine - (µg/l)	ND
o-cresol - (µg/l)	ND
o-Phenylphenol (+salts) - (µg/l)	ND
o-toluidine - (µg/l)	ND
Octabromobiphenyls (OctaBB) - (µg/l)	ND
Octabromodiphenyl ether (OctaBDE) - (µg/l)	ND
Octylphenol (OP), mixed isomers - (µg/l)	ND
Octylphenol ethoxylates (OPEO) - (µg/l)	ND
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa- Chlorobenzene and mono-, di-, tri-, tetra- and penta- chlorotoluene - (µg/l)	ND
p-cresol - (µg/l)	ND
Pentabromodiphenyl ether (PentaBDE) - (µg/l)	ND
Pentachlorophenol (PCP) - (µg/l)	ND
Perfluorooctane sulfonate (PFOS) and related substances - (µg/l)	ND
Perfluorooctanoic acid (PFOA) related substances - (µg/l)	ND
Permethrin - (µg/l)	ND
Phenanthrene - (µg/l)	ND
Polybromobiphenyls (PBB) - (µg/l)	ND
Pyrene - (µg/l)	ND
Quinoline - (µg/l)	ND
Short-chain Chlorinated Paraffins (SCCPs) - (µg/l)	ND
Tetraboron disodium heptaoxide, hydrate - (µg/l)	ND



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Parameter	Value
Tetrabromobisphenol A (TBBPA) - (µg/l)	ND
Tetrabromodiphenyl ether (TetraBDE) - (µg/l)	ND
Tetrabutyltin Compounds (TeBT) - (µg/l)	ND
Tetrachloroethylene - (µg/l)	ND
Tetraethyltin Compounds (TeET) - (µg/l)	ND
Tetraoctyltin compounds (TeOT) - (µg/l)	ND
Thiourea - (µg/l)	ND
Toluene - (µg/l)	ND
Tribromodiphenylethers (TriBDEs) - (µg/l)	ND
Trichloroethylene - (µg/l)	ND
Triclosan - (µg/l)	ND
Tricyclohexyltin (TCyHT) - (µg/l)	ND
Triethylene glycol dimethyl ether - (µg/l)	ND
Tripropyltin Compounds (TPT) - (µg/l)	ND
Tris(1,3-dichloro-isopropyl) phosphate (TDCP) - (µg/l)	ND
Tris(1-aziridinyl)phosphine oxide (TEPA) - (µg/l)	ND
Tris(2,3,-dibromopropyl)-phosphate (TRIS) - (µg/l)	ND
Tris(2-chloroethyl) phosphate (TCEP) - (µg/l)	ND
Tris-(2-chloro-1-methylethyl)phosphate (TCPP) - (µg/l)	ND
Xylene - (µg/l)	ND
Borate, Zinc Salt - (µg/l)	ND-ND

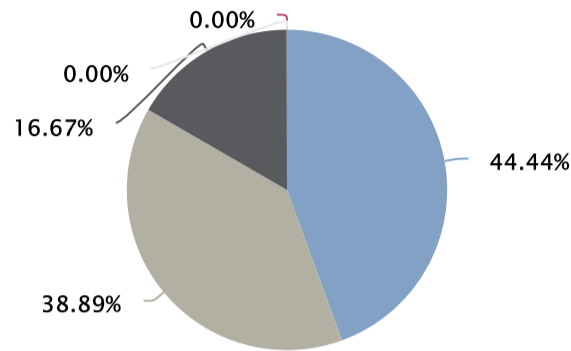


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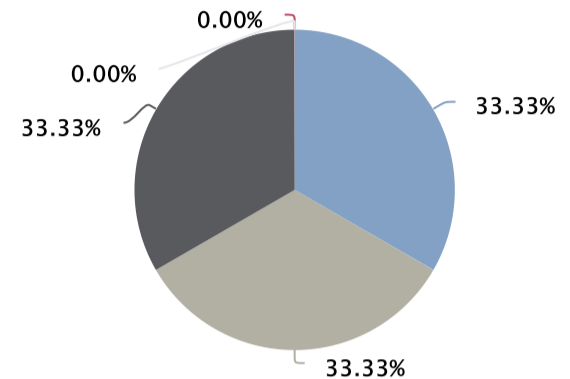
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PARAMETER TYPE DETAILS: CONVENTIONALS AND ANIONS

- Aspirational
- Progressive
- Foundational
- Alert
- Not Analyzed



CONVENTIONALS



ANIONS

Parameter	Value
Ammonium-Nitrogen - (mg/l)	0
AOX - (mg/l)	0
Biochemical Oxygen Demand 5-days concentration (BOD) - (mg/l)	13.4
Chemical Oxygen Demand (COD) - (mg/l)	47
Colour (436nm) - (m ⁻¹)	4.8
Colour (525nm) - (m ⁻¹)	2.3
Colour (620nm) - (m ⁻¹)	1.4
Dissolved Oxygen (DO) - (mg/l)	6.84
E.coli - (MPN/100mL)	1.8
Oil and Grease - (mg/l)	2.1
Persistent foam - (None)	Absent
pH - (pH)	7.54
Phenol - (mg/l)	0.002
Temperature difference - (C)	3.96
Total Chlorine - (mg/l)	0.1
Total Dissolved Solids (TDS) - (mg/l)	1742
Total Nitrogen - (mg/l)	7
Total Phosphorus - (mg/l)	0.66
Total Suspended Solids (TSS) - (mg/l)	33
Wastewater flowrate - (m ³ /day)	977

Parameter	Value
Chloride - (mg/l)	189.94
Cyanide, total - (mg/l)	0
Sulfate - (mg/l)	9.04
Sulfide - (mg/l)	0.05
Sulfite - (mg/l)	1.5

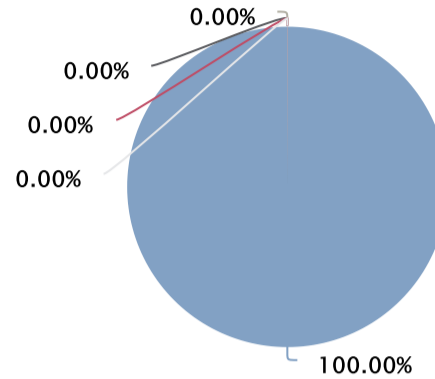


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PARAMETER TYPE DETAILS: METALS

- Aspirational
- Progressive
- Foundational
- Not Analyzed
- Alert



METALS

Parameter	Value
Antimony (Sb) - (mg/l)	0
Arsenic (As) - (mg/l)	0
Barium (Ba) - (mg/l)	0.018
Cadmium (Cd) - (mg/l)	0
Chromium (VI) - (mg/l)	0
Chromium, total (Cr) - (mg/l)	0
Cobalt (Co) - (mg/l)	0
Copper (Cu) - (mg/l)	0
Lead (Pb) - (mg/l)	0
Mercury (Hg) - (mg/l)	0
Nickel (Ni) - (mg/l)	0
Selenium (Se) - (mg/l)	0
Silver (Ag) - (mg/l)	0
Tin - (mg/l)	0
Zinc (Zn) - (mg/l)	0



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SAMPLE AND TEST INFORMATION

Wastewater Guideline

ZDHC Wastewater Guideline v2.2

Reporting Cycle

2025-Apr

Reporting Date

17-03-2025

Sample Date

03-03-2025

ZDHC APPROVED LABORATORY DETAILS

Name

Bureau Veritas Consumer Products Services (Bangladesh) Ltd.

Address

Plot#130, DEPZ Extension Area, Ganakbari, Savar, Dhaka Gazipur Dhaka Bangladesh

Email Address

mdrobeul.awal@bureauveritas.com

Sampler ID

C74D106817431

Lab Test Reference Number

68250510377

Contact Name

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Contact Number

+88-02- 7789464-6

APPENDIX

Find more information about the [Wastewater Guidelines](#) and [Performance Calculations](#) here.



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