

Organization Name
OCEANIC FABRIC MILL SDN BHD

Address
BATU 4,
JALAN MENGKIBOL,
86000 KLUANG, JOHOR
Kluang Johor Malaysia

Email
soh@oceanicmill.com

Telephone
607-7715733

ZDHC ID
A371AM71

HIGG ID
124613

TRID
TR258GB82

Wastewater Guideline
ZDHC Wastewater Guideline v2.2

Reporting Cycle
2026-Apr

Reporting Date
06-05-2026

Sample Date
14-04-2026

OCEANIC FABRIC MILL SDN BHD Overview

Sector
Fabrics

Materials
Natural Fibers - Plant based origin, Synthetic Fibers

Processes
Dyeing

Sample Locations
Effluent, Untreated, Sludge

OA Number
O-P-11958

Discharge Type
Direct

Fibre Type
-

Pretreatments
Preliminary Treatment, Primary Treatment, Secondary Treatment, Sludge handling

Major Sludge Pathway
A. Offsite Incineration at >1000 oC

% Representation of Sludge Disposal
100%

Average Total Wastewater Generated
2152.35 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.

58/63

Conventionals and Anions

197/197

MRSL

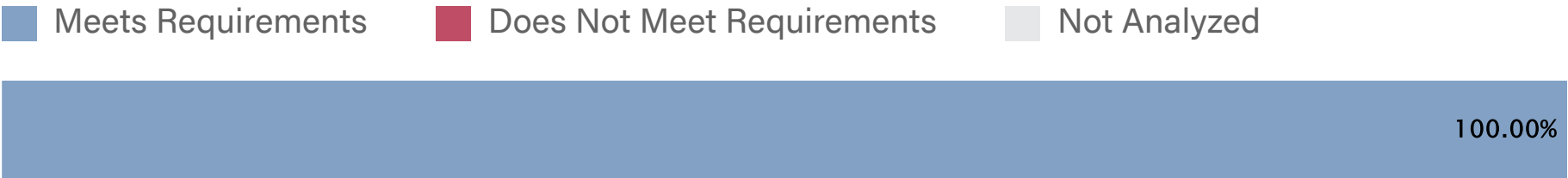
35/36

Metals

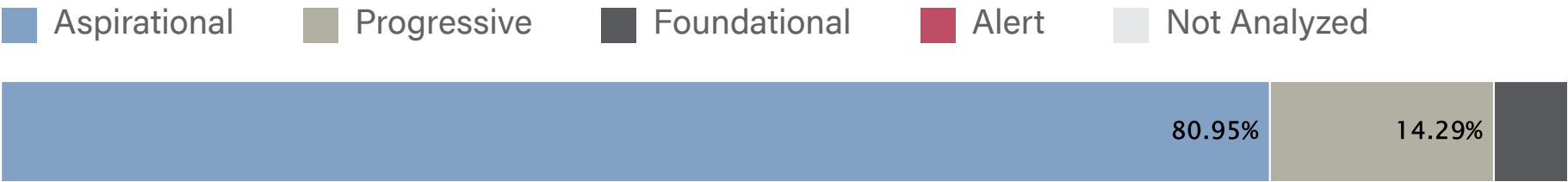
PERFORMANCE BREAKDOWN

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

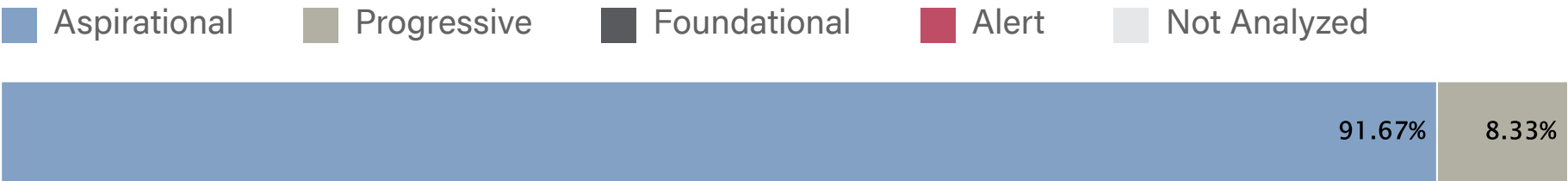
MRSL



Conventional and Anions



Metals

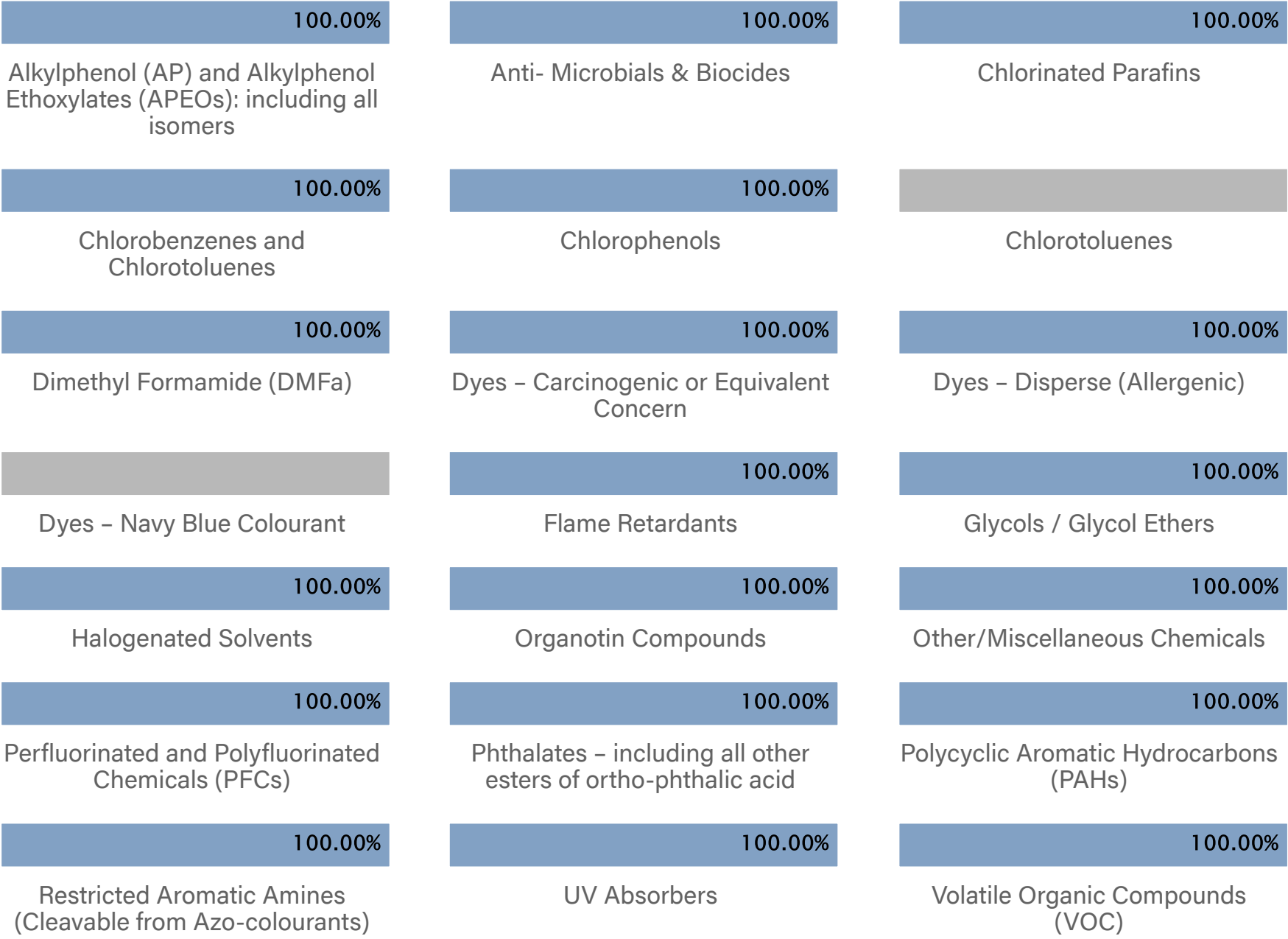


Sludge



Requirements met for Major
Sludge Disposal Pathway

PARAMETER TYPE DETAILS: MRSL



Meets Requirements Does Not Meet Requirements Not Analyzed Not Required

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

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-xylidine - (µg/l)	ND
2,5-dichlorophenol - (µg/l)	ND
2,6-dichlorophenol - (µg/l)	ND
2,6-xylidine - (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-dimethoxylbenzidine - (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-diaminoanisoole 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

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

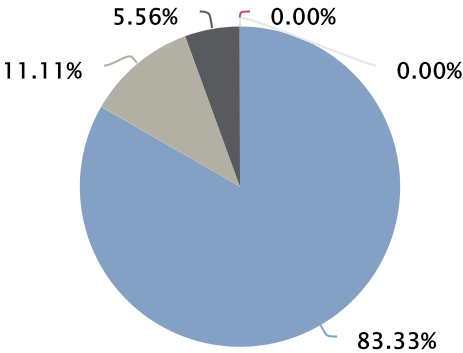
Parameter	Value
Disperse Orange 11 - (µg/l)	ND
Disperse Orange 3 - (µg/l)	ND
Disperse Orange 37/59/76 - (µg/l)	ND
Disperse Red 1 - (µg/l)	ND
Disperse Red 11 - (µg/l)	ND
Disperse Red 17 - (µg/l)	ND
Disperse Yellow 1 - (µg/l)	ND
Disperse Yellow 3 - (µg/l)	ND
Disperse Yellow 39 - (µg/l)	ND
Disperse Yellow 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

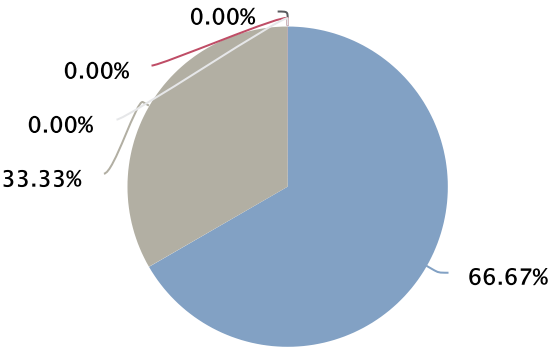
Parameter	Value
Tetrabromobisphenol A (TBBPA) - (µg/l)	ND
Tetrabromodiphenyl ether (TetraBDE) - (µg/l)	ND
Tetrabutyltin Compounds (TeBT) - (µg/l)	ND
Tetrachloroethylene - (µg/l)	ND
Tetraethyltin Compounds (TeET) - (µg/l)	ND
Tetraoctyltin compounds (TeOT) - (µg/l)	ND
Thiourea - (µg/l)	ND
Toluene - (µg/l)	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

PARAMETER TYPE DETAILS: CONVENTIONALS AND ANIONS

- Aspirational
- Progressive
- Foundational
- Alert
- Not Analyzed



CONVENTIONALS



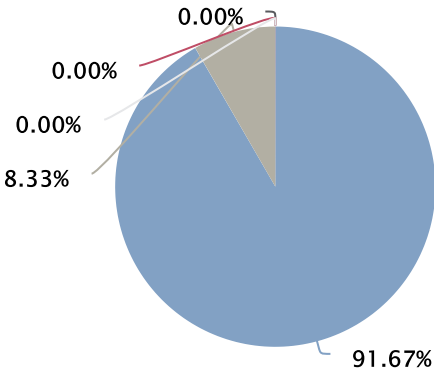
ANIONS

Parameter	Value
Ammonium-Nitrogen - (mg/l)	0.97
AOX - (mg/l)	ND
Biochemical Oxygen Demand 5-days concentration (BOD) - (mg/l)	ND
Chemical Oxygen Demand (COD) - (mg/l)	ND
Colour (436nm) - (m ⁻¹)	0.95
Colour (525nm) - (m ⁻¹)	0.48
Colour (620nm) - (m ⁻¹)	0.19
Dissolved Oxygen (DO) - (mg/l)	6.5
E.coli - (MPN/100mL)	ND
Oil and Grease - (mg/l)	ND
Persistent foam - (None)	Absent
pH - (pH)	7.1
Temperature difference - (C)	1.4
Total Chlorine - (mg/l)	ND
Total Dissolved Solids (TDS) - (mg/l)	ND
Total Nitrogen - (mg/l)	8
Total Phenol/Phenol Index - (mg/l)	0.051
Total Phosphorus - (mg/l)	ND
Total Suspended Solids (TSS) - (mg/l)	ND
Wastewater flowrate - (m ³ /day)	1696

Parameter	Value
Chloride - (mg/l)	549
Cyanide, total - (mg/l)	ND
Sulfate - (mg/l)	212
Sulfide - (mg/l)	0.03
Sulfite - (mg/l)	ND

PARAMETER TYPE DETAILS: METALS

- Aspirational
- Progressive
- Foundational
- Not Analyzed
- Alert



METALS

Parameter	Value
Antimony (Sb) - (mg/l)	0.015
Arsenic (As) - (mg/l)	ND
Barium (Ba) - (mg/l)	0.014
Cadmium (Cd) - (mg/l)	ND
Chromium (VI) - (mg/l)	ND
Chromium, total (Cr) - (mg/l)	ND
Cobalt (Co) - (mg/l)	ND
Copper (Cu) - (mg/l)	ND
Lead (Pb) - (mg/l)	ND
Mercury (Hg) - (mg/l)	ND
Nickel (Ni) - (mg/l)	ND
Selenium (Se) - (mg/l)	ND
Silver (Ag) - (mg/l)	ND
Tin - (mg/l)	ND
Zinc (Zn) - (mg/l)	ND

SAMPLE AND TEST INFORMATION

Wastewater Guideline

ZDHC Wastewater Guideline v2.2

Reporting Cycle

2026-Apr

Reporting Date

06-05-2026

Sample Date

14-04-2026

ZDHC APPROVED LABORATORY DETAILS

Name

Bureau Veritas Singapore Pte Ltd

Address

37A, Tampines Street 92,#06--01 Singapore, 528886 Singapore City Singapore Singapore

Email Address

jeffrey.lee@bureauveritas.com

Sampler ID

ZDHC-A-24-E-C001068-R422D-C693F

Lab Test Reference Number

53261240002

Contact Name

Jeffrey Lee

Contact Number

+65 6283 8366

APPENDIX

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

LAB REPORT

Report number	(5326)124-0002		
Date of sampling (dd/mm/yyyy)	14/04/2026		
Date of report (dd/mm/yyyy)	05/05/2026		
Factory company name	OCEANIC FABRIC MILL SDN BHD		
Factory address	Batu 4, Jalan Mengkibol, 86000 Kluang, Johor, Malaysia		
Discharge type	Direct Discharge		
Discharge destination name & address	Mengkibol River		
Average total industrial wastewater generated	≥15 m ³ per day	Manufacturing process type	Textile
Onsite ETP / Pretreatment	Yes	Homogenization Tank & Average Holding Time	Yes (raw / effluent), >12h
ZDHC sampler accreditation certification number	ZDHC-A-24-E-C001068-R422D-C693F		
Sample description & Sample collection method			
Untreated wastewater (raw)	I001, black liquid, grab sample at 10:26		
Discharged wastewater (effluent)	I002, brown liquid, grab sample at 10:57		
Sludge	I003, black solid, composite sample at 11:37		
Incoming water (incoming)	Not applicable		
Local legal data			
Local legal standard name & number [a]	Peraturan Kualiti Alam Sekeliling (Efluen Perindustrian) 2009		
Parameters (ZDHC WWG V2.2, Table 2 & 3) meeting local regulation [a]	Not meet		
Discharge permit provided	Yes		
ZDHC overall results			
Wastewater MRSL	Not detected		
Wastewater metals	Meet progressive limit		
Wastewater conventional and anions	Meet foundational limit		
Sludge disposal pathway	A	Sludge	Sample and report only

Internal Description	
Sample reference number	(5326)124-0002
Date & time of the beginning of sampling	14/04/2026
Date & time of the end of sampling	14/04/2026
Sample received date	14/04/2026
Testing period	14/04/2025 to 04/05/2025
Sample holding time exceeded	No
Sample temperature when received from lab	6.4 °C
Comments	Sample received within holding time and teamperature
General enquiry and invoicing	Customer Service customer.enquiry@sg.bureauveritas.com (65) 6283 8366
Technical enquiry	Jeffrey Lee jeffrey.lee@bureauveritas.com (65) 6283 8366
For and on behalf of	Bureau Veritas Singapore (Pte) Ltd 37A, Tampines Street 92, #06-01, Singapore 528886
	
	Jeffrey Lee, Analytical Lab Manager

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Summary of test results

Wastewater / MRSL - Test Items	Raw I001
AP and APEOs	ND
Antimicrobials and Biocides (S1)	ND
Chlorinated Paraffins	ND
Chlorobenzenes and Chlorotoluenes	ND
Chlorophenols	ND
DMFa (S1)	ND
Dyes-Carcinogenic or Equivalent Concern	ND
Dyes-Disperse (Allergenic)	ND
Dyes-Navy Blue Colourant	NA
Flame Retardants	ND
Glycols / Glycol Ethers (S1)	ND
Halogenated Solvents (S1)	ND
Organotin Compounds	ND
Other / Miscellaneous Chemicals (S1)	ND
PFCs (S1)	ND
Phthalates	ND
PAHs	ND
Restricted Aromatic Amines	ND
UV Absorbers (S1)	ND
VOC (S1)	ND

Summary of test results

Wastewater / Metals - Test Items	Effluent I002
Antimony	Progressive
Chromium (VI)	Aspirational
Barium	Report only
Selenium	Report only
Tin	Report only
Arsenic	Aspirational
Total Chromium	Aspirational
Cobalt	Aspirational
Cadmium	Aspirational
Copper	Aspirational
Lead	Aspirational
Nickel	Aspirational
Silver	Aspirational
Zinc	Aspirational
Mercury	Aspirational
Wastewater / Conventional & Anions - Test Items	Effluent I001
pH [f]	Aspirational
Temperature difference [f]	Aspirational
E.coli (S2)	Aspirational
Colour	Aspirational
Persistent foam [f]	Aspirational
Wastewater flowrate [f]	Report only
Ammonium-Nitrogen (S2)	Progressive
AOX (S1)	Aspirational
BOD5 (S2)	Aspirational
COD (S2)	Aspirational
DO [f]	Aspirational
Oil & Grease (S2)	Aspirational
Total Phenols (S2)	Foundational
Total Chlorine [f]	Aspirational
TDS	Report only
Total Nitrogen (S2)	Progressive
Total Phosphorus (S2)	Aspirational
TSS	Aspirational
Chloride (S2)	Report only
Cyanide, total (S2)	Aspirational
Sulphate (S2)	Report only
Sulphide (S2)	Progressive
Sulphite (S2)	Progressive

Summary of test results

Sludge Disposal Pathway = A

Sludge / Sludge Parameters - Test Items	Sludge I003
AP and APEOs	Report only
PAHs	Report only
Chlorotoluenes	Report only
Antimony	NA
Arsenic	NA
Barium	NA
Cadmium	NA
Cobalt	NA
Copper	NA
Lead	NA
Nickel	NA
Selenium	NA
Silver	NA
Zinc	NA
Total Chromium	NA
Chromium (VI)	NA
Mercury	NA
pH	NA
Fecal Coliform (S2)	NA
% Solids	Report only
Paint Filter Test (S1)	NA
Cyanide (S2)	NA

Sludge flux and/or sludge flow data: NA

Remark (indicated in each parameter)		
ND	=	Not detected (below lab reporting limit)
D	=	Detected (above lab reporting limit)
Meet	=	(Sludge) Meet sludge disposal pathway limit
Not meet	=	(ZDHC) Not meet foundational limit, (Sludge) Not meet sludge disposal pathway limit
Foundational	=	Meet foundational limit
Progressive	=	Meet progressive limit
Aspirational	=	Meet aspirational limit
Report only	=	Parameter is for report only, please refer to the data
[a]	=	The local legal standard name and legal standard number is referenced to discharge permit (or contractual agree by CETP) that provided by company
(f)	=	Parameter tested in field
(T)	=	Handling temperature exceeded
@	=	Maximum holding time exceeded
*	=	See comment
(S)	=	Analysis was subcontracted for testing - (S1)Bureau Veritas Vietnam Ltd., (S2)TÜV SÜD PSB Pte Ltd

**1) Test result - Wastewater / MRSL****1A) AP and APEOs: including all isomers**

ISO 18857-2 (modified dichloromethane extraction)

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

1B) Anti-Microbials & Biocides

USEPA 8270E, Solvent extraction, followed by GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
o-Phenylphenol (+salts)	90-43-7	100	100	ND			
Triclosan	3380-34-5	100	100	ND			
Permethrin	Multiple 52645-53-1	500	500	ND			

1C) Chlorinated Parafins

Preparation: EPA 3510, Analysis:ISO18219-2:2021 with GC-MS(NCI)

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

1D) Chlorobenzenes and Chlorotoluenes

Dichloromethane extraction followed by GC-MS

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

**1E) Chlorophenols**

USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-chlorophenol	95-57-8	0.5	0.5	ND			
2,3-dichlorophenol	576-24-9	0.5	0.5	ND			
2,3,4-trichlorophenol	15950-66-0	0.5	0.5	ND			
2,3,5-trichlorophenol	933-78-8	0.5	0.5	ND			
2,3,6-trichlorophenol	933-75-5	0.5	0.5	ND			
2,4-dichlorophenol	120-83-2	0.5	0.5	ND			
2,4,5-trichlorophenol	95-95-4	0.5	0.5	ND			
2,4,6-trichlorophenol	88-06-2	0.5	0.5	ND			
2,5-dichlorophenol	583-78-8	0.5	0.5	ND			
2,6-dichlorophenol	87-65-0	0.5	0.5	ND			
3-chlorophenol	108-43-0	0.5	0.5	ND			
3,4-dichlorophenol	95-77-2	0.5	0.5	ND			
3,4,5-trichlorophenol	609-19-8	0.5	0.5	ND			
3,5-dichlorophenol	591-35-5	0.5	0.5	ND			
4-chlorophenol	106-48-9	0.5	0.5	ND			
Pentachlorophenol (PCP)	87-86-5	0.5	0.5	ND			
2,3,5,6-tetrachlorophenol	935-95-5	0.5	0.5	ND			
2,3,4,6-tetrachlorophenol	58-90-2	0.5	0.5	ND			
2,3,4,5-tetrachlorophenol	4901-51-3	0.5	0.5	ND			

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

EPA 8270E

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	1000	ND			

1G) Dyes - Carcinogenic or Equivalent Concern

Liquid extraction, LC-MS, DIN 54231

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	500	500	ND			
C.I. Acid Red 26	3761-53-3	500	500	ND			
C.I. Acid Violet 49	1694-09-3	500	500	ND			
C.I. Basic Blue 26 with Michler's Ketone >0.1%	2580-56-5	500	500	ND			
C.I. Basic Green 4 (Malachite Green Chloride)	569-64-2	500	500	ND			
C.I. Basic Green 4 (Malachite Green Oxalate)	2437-29-8	500	500	ND			
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	500	ND			
C.I. Basic Red 9	569-61-9	500	500	ND			
C.I. Basic Violet 14	632-99-5	500	500	ND			
C.I. Direct Black 38	1937-37-7	500	500	ND			
C.I. Direct Blue 6	2602-46-2	500	500	ND			
C.I. Direct Red 28	573-58-0	500	500	ND			
C.I. Disperse Blue 1	2475-45-8	500	500	ND			
C.I. Disperse Blue 3	2475-46-9	500	500	ND			
C.I. Disperse Orange 11	82-28-0	500	500	ND			

1H) Dyes - Disperse (Allergenic)

Liquid extraction, LC-MS, DIN 54231

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Disperse Blue 102	12222-97-8	50	50	ND			
Disperse Blue 106	12223-01-7	50	50	ND			
Disperse Blue 124	61951-51-7	50	50	ND			
Disperse Blue 26	3860-63-7	50	50	ND			
Disperse Blue 35	12222-75-2	50	50	ND			
Disperse Blue 35	56524-77-7	50	50	ND			
Disperse Blue 7	3179-90-6	50	50	ND			
Disperse Brown 1	23355-64-8	50	50	ND			
Disperse Orange 1	2581-69-3	50	50	ND			
Disperse Orange 3	730-40-5	50	50	ND			
Disperse Orange 37/59/76	13301-61-6	50	50	ND			
Disperse Red 1	2872-52-8	50	50	ND			
Disperse Red 11	2872-48-2	50	50	ND			
Disperse Red 17	3179-89-3	50	50	ND			
Disperse Yellow 1	119-15-3	50	50	ND			
Disperse Yellow 3	2832-40-8	50	50	ND			
Disperse Yellow 39	12236-29-2	50	50	ND			
Disperse Yellow 49	54824-37-2	50	50	ND			
Disperse Yellow 9	6373-73-5	50	50	ND			

1I) Dyes - Navy Blue Colourant

Liquid extraction, LC-MS, DIN 54231

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	NA	NA	NA			
Component 2: C46H-30CrN10O20S2 3Na	Not allocated						

**1J) Flame Retardants**

USEPA 527 and Determined as Total Boron via ICP, Dichloromethane extraction GC-MS or LC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Boric acid	10043-35-3, 11113-50-1	500	500	ND			
Diboron trioxide	1303-86-2	500	500	ND			
Disodium octaborate	12008-41-2	500	500	ND			
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4	500	500	ND			
Tetraboron disodium heptaoxide, hydrate	12267-73-1	500	500	ND			
Hexabromocyclodecane (HBCDD)	3194-55-6	25	25	ND			
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	25	ND			
Polybromobiphenyls (PBB)	59536-65-1	25	25	ND			
Monobromobiphenyls (MonoBB)	Multiple	25	25	ND			
Monobromodiphenylethers (MonoBDEs)	Multiple	25	25	ND			
Dibromobiphenyls (DiBB)	Multiple	25	25	ND			
Dibromopropylether	21850-44-2	25	25	ND			
Tribromophenylethers (TriBDEs)	Multiple	25	25	ND			
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	25	ND			
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	25	ND			
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	25	ND			
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	25	ND			
Octabromobiphenyls (OctaBB)	Multiple	25	25	ND			
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	25	ND			
Nonabromobiphenyls (NonaBB)	Multiple	25	25	ND			
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	25	ND			
Decabromobiphenyl (DecaBB)	13654-09-6	25	25	ND			
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	25	ND			
Tetrabromobisphenol A (TBBPA)	79-94-7	25	25	ND			
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	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			

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

1K) Glycols / Glycol Ethers

USEPA 8270E, Liquid extraction, LC-MS and/or GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-ethoxyethanol	110-80-5	50	50	ND			
2-ethoxyethyl acetate	111-15-9	50	50	ND			
2-methoxyethanol	109-86-4	50	50	ND			
2-methoxyethylacetate	110-49-6	50	50	ND			
2-methoxypropylacetate	70657-70-4	50	50	ND			
Bis(2-methoxyethyl)-ether	111-96-6	50	50	ND			
Ethylene glycol dimethyl ether	110-71-4	50	50	ND			
Triethylene glycol dimethyl ether	112-49-2	50	50	ND			

**1L) Halogenated Solvents**

USEPA 8260D, Headspace GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-dichloroethane	107-06-2	1	1	ND			
Methylene chloride	75-09-2	1	1	ND			
Tetrachloroethylene	127-18-4	1	1	ND			
Trichloroethylene	79-01-6	1	1	ND			

1M) Organotin Compounds

ISO 17353, Derivatisation with NaB (C2H5) GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Dipropyltin compounds (DPT)	Multiple 867-36-7	0.01	0.01	ND			
Mono, di-, and tri-butyltin derivatives	Multiple 1118-46-3, 1461-22-9	0.01	0.01	ND			
Mono, di-, and tri-methyltin derivatives	Multiple 993-16-8, 753-73-1, 1066-45-1	0.01	0.01	ND			
Mono, di-, and tri-octyltin derivatives	Multiple 3091-25-6, 3542-36-7, 2587-76-0	0.01	0.01	ND			
Mono, di-, and tri-phenyltin derivatives	Multiple 1124-19-2, 1135-99-5, 639-58-7	0.01	0.01	ND			
Tetrabutyltin compounds (TeBT)	Multiple 1461-25-2	0.01	0.01	ND			
Tetraethyltin compounds (TeET)	Multiple 597-64-8	0.01	0.01	ND			
Tetraoctyltin compounds (TeOT)	Multiple 3590-84-9	0.01	0.01	ND			
Tricyclohexyltin (TCyHT)	Multiple 3091-32-5	0.01	0.01	ND			
Tripropyltin compounds (TPT)	Multiple 2279-76-7	0.01	0.01	ND			

1N) Other / Miscellaneous Chemicals

EN 17134(AEEA); DIN EN ISO 11936, Liquid Extraction, LCMS(BPA); EN 17134, Liquid Extraction, LCMS(Thiourea); USEPA 3540, Liquid Extraction, LCMS(Quinoline); Determine as total Boron and Total Zinc via ICP (Borate, Zinc Salt)

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	500	500	ND			
Bisphenol A	80-05-7	10	10	ND			
Borate (Borate, zinc salt)	12767-90-7	100	100	ND			
Zinc salt (Borate, zinc salt)		100	100	352			
Quinoline	91-22-5	50	50	ND			
Silica (particles of respirable size)	14464-46-1	NA	NA	NA			
Thiourea	62-56-6	50	50	ND			

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

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

PFCs: EPA 537:2020; FTOH: BS EN 12673-1999

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

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

USEPA 8270E, ISO 18856, Dichloromethane extraction GC-MS

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

**1Q) Polycyclic Aromatic Hydrocarbons (PAHs)**USEPA 8270E, DIN 38407-39
Solvent extraction GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Acenaphthene	83-32-9	1	1	ND			
Acenaphthylene	208-96-8	1	1	ND			
Anthracene	120-12-7	1	1	ND			
Benzo[a]anthracene	56-55-3	1	1	ND			
Benzo[a]pyrene	50-32-8	1	1	ND			
Benzo[b]fluoranthene	205-99-2	1	1	ND			
Benzo[e]pyrene	192-97-2	1	1	ND			
Benzo[ghi]perylene	191-24-2	1	1	ND			
Benzo[j]fluoranthene	205-82-3	1	1	ND			
Benzo[k]fluoranthene	207-08-9	1	1	ND			
Chrysene	218-01-9	1	1	ND			
Dibenz[a,h]anthracene	53-70-3	1	1	ND			
Fluoranthene	206-44-0	1	1	ND			
Fluorene	86-73-7	1	1	ND			
Indeno[1,2,3-cd]pyrene	193-39-5	1	1	ND			
Naphthalene	91-20-3	1	1	ND			
Phenanthrene	85-01-8	1	1	ND			
Pyrene	129-00-0	1	1	ND			

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

Reduction step with sodium dithionite, solvent extraction USEPA 8270E and ISO 14362-1, ISO 14362-3 (if needed) GC/MS and LC/MS/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-naphthylamine	91-59-8	0.1	0.1	ND			
2-naphthylammoniumacetate	553-00-4	0.1	0.1	ND			
2,4-xylidine	95-68-1	0.1	0.1	ND			
2,4,5-trimethylaniline	137-17-7	0.1	0.1	ND			
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	0.1	ND			
2,6-xylidine	87-62-7	0.1	0.1	ND			
3',3'-dichlorobenzidine	91-94-1	0.1	0.1	ND			
3,3-dimethoxybenzidine	119-90-4	0.1	0.1	ND			
3,3-dimethylbenzidine	119-93-7	0.1	0.1	ND			
4-aminoazobenzene	60-09-3	0.1	0.1	ND			
4-aminodiphenyl	92-67-1	0.1	0.1	ND			
4-chloro-o-toluidine	95-69-2	0.1	0.1	ND			
4-chloro-o-toluidinium chloride	3165-93-3	0.1	0.1	ND			
4-chloroaniline	106-47-8	0.1	0.1	ND			
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	0.1	ND			
4-methoxy-m-phenylenediamine	615-05-4	0.1	0.1	ND			
4-methyl-m-phenylenediamine	95-80-7	0.1	0.1	ND			
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	0.1	0.1	ND			
4,4-methylenedi-o-toluidine	838-88-0	0.1	0.1	ND			
4,4-methylenedianiline	101-77-9	0.1	0.1	ND			
4,4-oxydianiline	101-80-4	0.1	0.1	ND			
4,4-thiodianiline	139-65-1	0.1	0.1	ND			
5-nitro-o-toluidine	99-55-8	0.1	0.1	ND			
6-methoxy-m-toluidine	120-71-8	0.1	0.1	ND			
Benzidine	92-87-5	0.1	0.1	ND			
o-aminoazotoluene	97-56-3	0.1	0.1	ND			
o-anisidine	90-04-0	0.1	0.1	ND			
o-toluidine	95-53-4	0.1	0.1	ND			

1S) UV Absorbers

USEPA 8270, ISO 22032, Dichloromethane extraction GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	100	ND			
2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	100	100	ND			
2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7	100	100	ND			
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	100	ND			



1T) Volatile Organic Compounds (VOC)

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

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

2) Test result - Wastewater / Metals

ISO 17294, Cr(VI) : ISO 18412

Test Parameters	Reporting limit, TEXTILE				Legal limit [#]	Result (mg/L)			
	Foundational	Progressive	Aspirational	Lab		Effluent I002			
Antimony	0.1	0.05	0.01	0.01	-	0.015			
Chromium (VI)	0.05	0.005	0.001	0.001	0.05	ND			
Barium	Sample & report			0.01	1	0.014			
Selenium	Sample & report			0.01	0.02	ND			
Tin	Sample & report			0.01	0.2	ND			
Arsenic	0.05	0.01	0.005	0.005	0.05	ND			
Total Chromium	0.2	0.1	0.05	0.05	0.25	ND			
Cobalt	0.05	0.02	0.01	0.01	-	ND			
Cadmium	0.1	0.05	0.01	0.01	0.01	ND			
Copper	1	0.5	0.25	0.25	0.2	ND			
Lead	0.1	0.05	0.01	0.01	0.1	ND			
Nickel	0.2	0.1	0.05	0.05	0.2	ND			
Silver	0.1	0.05	0.005	0.005	0.1	ND			
Zinc	5	1	0.5	0.5	2	ND			
Mercury	0.1	0.005	0.001	0.001	0.005	ND			

[#] Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.

3) Test result - Wastewater / Conventional and Anions

Test Parameters	Test Method	Reporting limit, TEXTILE				Legal limit [#]	Result		Unit
		Foundational	Progressive	Aspirational	Lab		Effluent 1001		
pH	With reference to ISO 10523	6-9			NA	6.0-9.0	7.1		pH
Temperature difference	USEPA 170.1	Δ+15	Δ+10	Δ+5	NA	-	1.4		°C
E.coli	APHA Part 9221B	126 MPN/100-ml			126	-	ND		MPN/100-ml
Colour (436 nm)	ISO 7887-B	7	5	2	NA	-	0.95		m-1
Colour (525 nm)		5	3	1	NA	-	0.48		
Colour (620 nm)		3	2	1	NA	-	0.19		
Persistent foam	Visual Estimation	No indication of persistent foam in receiving water			NA	-	Absent		-
Wastewater flowrate	-	15 m ³ /day			NA	-	1696		m ³ /day
Ammonium-Nitrogen	APHA 4500 NH ₃ -N	10	1	0.5	0.5	10	0.97		mg/L
AOX	ISO 9562	3	0.5	0.1	0.1	-	ND		mg/L
BOD ₅	APHA 5210B	30	15	8	8	20	ND		mg/L
COD	APHA 5220D	150	80	40	40	80	ND		mg/L
DO	EPA 360.1	≥ 4			1	-	6.5		mg/L
Oil & Grease	APHA 5520B	10	2	0.5	0.5	1	ND		mg/L

[#] Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.

3) Test result - Wastewater / Conventional and Anions (continue)

Test Parameters	Test Method	Reporting limit, TEXTILE				Legal limit [#]	Result		Unit
		Foundational	Progressive	Aspirational	Lab		Effluent 1001		
Total Phenols / Phenol Index	APHA 5530 B/C	0.5	0.01	0.001	0.001	0.001	0.051		mg/L
Total Chlorine	EPA 330.5	1			0.1	1	ND		mg/L
TDS	APHA 2540C	Sample & report			5	-	ND		mg/L
Total Nitrogen	APHA 4500P-J, or APHA 4500N-C	20	10	5	5	-	8		mg/L
Total Phosphorus	APHA 4500P-J	3	0.5	0.1	0.1	-	ND		mg/L
TSS	APHA 2540D	50	15	5	5	50	ND		mg/L
Chloride	APHA 4500Cl D or E	Sample & report			0.2	-	549		mg/L
Cyanide, total	APHA 4500-CN	0.2	0.1	0.05	0.05	0.05	ND		mg/L
Sulphate	APHA 4500 SO4 E	Sample & report			0.2	-	212		mg/L
Sulphide	APHA 4500-S2-D	0.5	0.05	0.01	0.01	0.5	0.03		mg/L
Sulphite	APHA 4500-SO32 C	2	0.5	0.2	0.2	-	0.5		mg/L

[#] Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.

**4A) Test result - Sludge / MRSL
Sludge - AP & APEOs**Sludge Disposal Pathway = **A**

ISO 18857-2

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	0.4	0.4	ND			mg/kg
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	0.4	0.4	ND			mg/kg
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	0.4	0.4	ND			mg/kg
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	0.4	0.4	ND			mg/kg

Sludge - PAHs

USEPA 8270E:2018 DIN 38407-39:2011 Solvent extraction GC-MS

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
Acenaphthene	83-32-9	0.2	0.2	ND			mg/kg
Acenaphthylene	208-96-8	0.2	0.2	ND			mg/kg
Anthracene	120-12-7	0.2	0.2	ND			mg/kg
Benzo[a]anthracene	56-55-3	0.2	0.2	ND			mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	0.2	ND			mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	0.2	ND			mg/kg
Benzo[e]pyrene	192-97-2	0.2	0.2	ND			mg/kg
Benzo[ghi]perylene	191-24-2	0.2	0.2	ND			mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	0.2	ND			mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	0.2	ND			mg/kg
Chrysene	218-01-9	0.2	0.2	ND			mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	ND			mg/kg
Fluoranthene	206-44-0	0.2	0.2	ND			mg/kg
Fluorene	86-73-7	0.2	0.2	ND			mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	0.2	ND			mg/kg
Naphthalene	91-20-3	0.2	0.2	ND			mg/kg
Phenanthrene	85-01-8	0.2	0.2	ND			mg/kg
Pyrene	129-00-0	0.2	0.2	ND			mg/kg

Sludge - Chlorotoluenes

USEPA 8260D, Dichloromethane extraction followed by GC-MS

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
Other isomers of mono-, di-, tri-, tetra-, and penta-chlorotoluene	Multiple 95-49-8, 108-41-8, 106-43-4, 32768-54-0, 95-73-8, 19398-61-9, 118-69-4/ 95-75-0/ 25186-47-4/ 7359-72-0/ 2077-46-5/ 6639-30-1/ 23749-65-7/ 1006-32-2/ 875-40-1/ 877-11-2	0.2	0.2	ND			mg/kg


4B) Test result - Sludge / Metals
Sludge Disposal Pathway = A

Internal method with reference to USEPA 3050, USEPA 3051A, USEPA 6020B; Chromium (VI): Internal method with reference to USEPA 3060A, USEPA 7196A

Test Parameters	Reporting Limit		Maximum Total Metals Limits Disposal Pathway G	Threshold Values	Result			Unit
	TEXTILE	Lab			Sludge I003			
Antimony	5	5	NA	12	NA			mg/kg
Arsenic	5	5	41	10	NA			mg/kg
Barium	200	200	500	700	NA			mg/kg
Cadmium	1	1	39	3	NA			mg/kg
Cobalt	400	400	NA	1600	NA			mg/kg
Copper	50	50	1500	200	NA			mg/kg
Lead	5	5	400	10	NA			mg/kg
Nickel	20	20	420	70	NA			mg/kg
Selenium	5	5	36	10	NA			mg/kg
Silver	50	50	NA	100	NA			mg/kg
Zinc	400	400	2800	1000	NA			mg/kg
Total Chromium	50	50	1200	100	NA			mg/kg
Chromium (VI)	20	20	50	50	NA			mg/kg
Mercury	1	1	17	1	NA			mg/kg

Test result - Leachate / Metals
Sludge Disposal Pathway = A

EPA 1311

Test Parameters	Reporting Limit	Sludge disposal pathway						Result			Unit
	Lab	A, B, C	D	E	F	G		Leachate			
Antimony	0.6	NA	7.8	0.6	0.6	0.6		NA			mg/L
Arsenic	0.5	NA	2.75	0.5	0.5	0.5		NA			mg/L
Barium	35	NA	67.5	35	35	35		NA			mg/L
Cadmium	0.15	NA	0.58	0.15	0.15	0.15		NA			mg/L
Cobalt	80	NA	80	80	80	80		NA			mg/L
Copper	10	NA	17.5	10	10	10		NA			mg/L
Lead	0.5	NA	2.75	0.5	0.5	0.5		NA			mg/L
Nickel	3.5	NA	11.75	3.5	3.5	3.5		NA			mg/L
Selenium	0.5	NA	0.75	0.5	0.5	0.5		NA			mg/L
Silver	5	NA	5	5	5	5		NA			mg/L
Zinc	50	NA	50	50	50	50		NA			mg/L
Total Chromium	5	NA	5	5	5	5		NA			mg/L
Chromium (VI)	2.5	NA	3.75	2.5	2.5	2.5		NA			mg/L
Mercury	0.05	NA	0.125	0.05	0.05	0.05		NA			mg/L



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4C) Test result - Sludge / Conventional & Anion			Sludge Disposal Pathway =					A			
Test Parameters	Test Method	Reporting Limit	Sludge disposal pathway					Result			Unit
		Lab	A, B, C	D	E	F	G	Sludge 1003			
pH	EPA SW 9045D	NA	NA	5-11	5-11	6.5-9	6.5-9	NA			-
Fecal Coliform	EPA 1681	100	NA	NA	NA	<1000	<1000	NA			MPN/g
% Solids	EPA 160.3	NA	Sample & report					30.9			%
Paint Filter Test	EPA 9095B	NA	NA	Pass	Pass	Pass	Pass	NA			-
Cyanide	USEPA 9013 & 9014	70	NA	85	70	70	70	NA			mg/kg

Appendix A - Discharge limit according to regulation

FIFTH SCHEDULE

[Paragraph 11(1)(a)]

ACCEPTABLE CONDITIONS FOR DISCHARGE OF
INDUSTRIAL EFFLUENT OR MIXED EFFLUENT OF STANDARDS A AND B

Parameter	Unit	Standard	
		A	B
(1)	(2)	(3)	(4)
(i) Temperature	°C	40	40
(ii) pH Value	–	6.0-9.0	5.5-9.0
(iii) BOD ₅ at 20°C	mg/L	20	50
(iv) Suspended Solids	mg/L	50	100
(v) Mercury	mg/L	0.005	0.05
(vi) Cadmium	mg/L	0.01	0.02
(vii) Chromium, Hexavalent	mg/L	0.05	0.05
(viii) Chromium, Trivalent	mg/L	0.20	1.0
(ix) Arsenic	mg/L	0.05	0.10
(x) Cyanide	mg/L	0.05	0.10
(xi) Lead	mg/L	0.10	0.5
(xii) Copper	mg/L	0.20	1.0
(xiii) Manganese	mg/L	0.20	1.0
(xiv) Nickel	mg/L	0.20	1.0
(xv) Tin	mg/L	0.20	1.0
(xvi) Zinc	mg/L	2.0	2.0
(xvii) Boron	mg/L	1.0	4.0
(xviii) Iron (Fe)	mg/L	1.0	5.0
(xix) Silver	mg/L	0.1	1.0
(xx) Aluminium	mg/L	10	15
(xxi) Selenium	mg/L	0.02	0.5
(xxii) Barium	mg/L	1.0	2.0
(xxiii) Fluoride	mg/L	2.0	5.0
(xxiv) Formaldehyde	mg/L	1.0	2.0
(xxv) Phenol	mg/L	0.001	1.0
(xxvi) Free Chlorine	mg/L	1.0	2.0
(xxvii) Sulphide	mg/L	0.50	0.50
(xxviii) Oil and Grease	mg/L	1.0	10
(xxix) Ammoniacal Nitrogen	mg/L	10	20
(xxx) Colour	ADMI*	100	200

*ADMI–American Dye Manufacturers Institute

Appendix B - Photos of sampling points and samples (with relative time and date)

Photo of sampling point
14/04/2026, 10:21



Untreated wastewater

Photo of sample (labelled sample bottle)
14/04/2026, 18:13



Untreated wastewater

Photo of sampling point
14/04/2026, 10:21



Effluent

Photo of sample (labelled sample bottle)
14/04/2026, 18:16



Effluent

Photo of persistent foam
14/04/2026, 10:21



Effluent

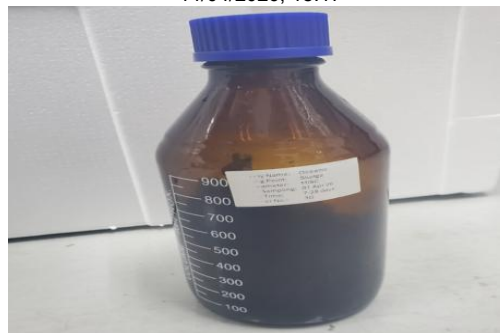
Appendix B - Photos of sampling points and samples (with relative time and date) (continue)

Photo of sampling point
14/04/2026, 11:35



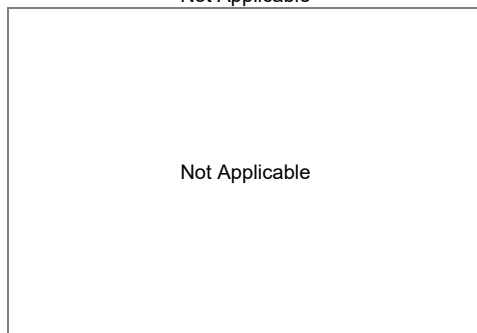
Sludge

Photo of sample (labelled sample bottle)
14/04/2026, 18:17



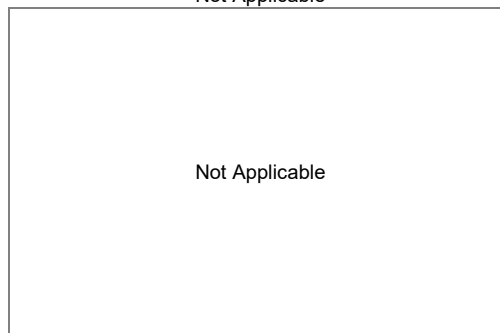
Sludge

Photo of sampling point
Not Applicable



Incoming Water

Photo of sample (labelled sample bottle)
Not Applicable



Incoming Water

Appendix C - Field Data Form

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration		CPSD-AN-00613-DATA 07	
		Issue Date: February 20, 2024	
		Version No.: 1	
		Business Line: Analytical	
Attach the completed field data form in the test report.			
Facility Information			
Date of Sampling:	14/4/2026		
Sample Number (ZDHC Composite Sample Code):	ZDHC-A-24-E-C001068-R422D-C693F		
Facility Name:	Oceanic Fabric Mill Sdn Bhd		
Facility Address:	Batu 4, JALAN MENGKIBOL, 86000 KLUANG, JOHOR, MALAYSIA		
Facility Type (tick all applicable):	☒ Dyeing and Finishing ☐ Fabric Mill ☐ Laundry, Washing and Finishing ☐ Natural Leather processing ☐ Printing ☐ Synthetic Leather processing ☐ Other (please specify)		
Discharge Type (tick applicable):	☒ Direct discharge ☐ Indirect discharge ☐ Zero liquid discharge (ZLD)	☒ with pre-treatment ☐ without pre-treatment ☐ with own ETP	Other Notes:
Discharge Description:	☒ Discharge to environment (e.g. river, stream, sea etc.) ☐ Other (please specify) ☐ Sewage treatment plant		
Discharge Volume:	☒ $\geq 15m^3$ per day ☐ $< 15m^3$ per day		
Sample Type and Details			
Sample Type	Sample Details		
☐ Incoming Water			
☐ Untreated WW	☒ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): <u>>12 hrs</u> = volume of tank (m³) / flowrate (m³/h) if HRT > 12 h, grab sampling from EQT is allowed.		
☐ Effluent	☒ Direct ☐ Indirect Enter sampling time(s) in page 2 and take field test measurements. No field test measurements required except on client's request. ☐ Facility has WWTP ☐ Plant is in operating condition ☒ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): <u>>12 hrs</u> = volume of tank (m³) / flowrate (m³/h) if HRT > 12 h, grab sampling from EQT is allowed.		
☐ Sludge	Disposal Pathway (The pathway must be defined by the facility. If the facility cannot provide information, pathway "F" shall be assumed.) ☒ A >1000°C offsite incineration ☐ B Landfill with significant control ☐ C Building products processed >1000°C ☐ D Landfill with limited control ☐ E Incineration/ Building products processed <1000°C ☐ F Landfill with no control ☐ G Land application Sludge flux (weight/time) if applicable:		
ZDHC Wastewater Sampling - Facility Confirmation			
The wastewater samples have been collected under the facilities' normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples. Sampling protocol for wastewater and sludge samples are in accordance with ZDHC SAP including appendix E. In no circumstances shall samples be taken during times when the production process is not running or the wastewater is diluted, for example due to heavy rainfall.			
Facility Confirmation		Sampler Information	
Facility Name:	Oceanic Fabric Mill Sdn Bhd	Sampler's Name/ Email:	Loy See Heng seeheng.loy@bureauveritas.com
Facility Representative Name:	<u>HIDAYAH</u>	Sampler's ZDHC Accredited No.:	ZDHC-A-24-E-C001068-R422D-C693F
Facility Representative Signature and Stamp:	 OCEANIC FABRIC MILL SDN. BHD. (Co. No. 652850-X) Batu 4, Jalan Mengkibol, 86000 Kluang, Johor.	Sampler's Signature:	
Date:		Date:	14/4/2026
Tel: 607-7715733, 607-7714733 607-7718733 Fax: 607-7715833			

Appendix C - Field Data Form (continue)

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration										CPSD-AN-00613-DATA 07	
										Issue Date:	
										Version No.: 1	
										Business Line: Analytical	
ZDHC Wastewater Flow Device Dimensions											
Measurement (cm)	Meter	Pipe (O)	Flume (U)	Wier (V)							
Diameter	--										
Depth	--										
ZDHC Wastewater Sampling Field Testing QA/ QC											
Parameter	Lab Control Sample (LCS) Known	Lab Control Sample (LCS) Measured	Accuracy (%)								
pH											
Total Chlorine											
ZDHC Wastewater Sample Collection Field Test Measurements											
Incoming Sample Point		☐ Composite Sample		☐ Grab Sample		Start Time:		Stop Time:			
Sampling Locations:		GPS coordinates:		Lat.: N / S		Long.: E / W					
Sampling Mode:		☐ Manual		☐ Autosampler - Sampling Device Description/ Owner:							
Sampling Time (Hours)		0	1	2	3	4	5	6	Average		
Recording time of discrete sample									--		
Colour (visual estimation):											
Untreated Sample Point		☐ Composite Sample		☒ Grab Sample		Start Time: 10.26		Stop Time: 10.26			
Sampling Locations:		GPS coordinates:		Lat.: N / S		Long.: E / W					
Sampling Mode:		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner:							
Sampling Time (Hours)		0	1	2	3	4	5	6	Average		
Recording time of discrete sample		10.26							--		
Colour (visual estimation):		Black									
Effluent Sample Point		☐ Composite Sample		☒ Grab Sample		Start Time: 10.57		Stop Time: 10.57			
Sampling Locations:		GPS coordinates:		Lat.: N / S		Long.: E / W					
Sampling Mode:		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner:							
Sampling Time (Hours)		0	1	2	3	4	5	6	Average		
Recording time of discrete sample		10.57							--		
Temperature (°C):	WW Discharge	30.3									
	Receiving Water	28.9									
pH:		7.08									
Dissolved Oxygen (mg/L):		6.5									
Total Chlorine (mg/L):		0.07									
Persistent Foam (Yes/ No):		Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No		
Wastewater Flow Meter (L/min):		117.7									
Alternate Measured Flow:	Depth (cm)										
	Velocity (cm/sec)										
Colour (visual estimation):		Brownish									
Volume collected (L):		20L									
Total volume collected (L):		20L	Collect 3.33-litres each hour for a total minimum volume of 20-litres								
Sludge Sample Point		☒ Composite Sample		☐ Grab Sample		Start Time: 11.37		Stop Time: 11.37			
Sampling Locations:		GPS coordinates:		Lat.: N / S		Long.: E / W					
Sampling Mode:		☒ Manual		☐ Autosampler - Sampling Device Description/ Owner:							
Sampling Time (Hours)		0	1	2	3	4	5	6	Average		
Recording time of discrete sample		11.37							--		
Colour (visual estimation):		Black									
Comments/ Other Observations											