

Organization Name
Taiwan Paiho Limited

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Site 1 Office No. 575 He Kang Rd. Hemei Changhua
Taiwan

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ZDHC ID
A992WY90

HIGG ID
115605

TRID
TR596YK89

Wastewater Guideline
ZDHC Wastewater Guideline v2.2

Reporting Cycle
2025-Oct

Reporting Date
27-10-2025

Sample Date
04-09-2025

Taiwan Paiho Limited Overview

Sector
Trim - Composite

Materials
Natural Fibers - Plant based origin, Synthetic Fibers

Processes
Dyeing, Materials Creation, Printing

Sample Locations
Effluent, Untreated, Sludge

OA Number
O-P-7311

Discharge Type
Direct

Fibre Type
-

Pre-Treatments
Advanced Water Treatment / Tertiary treatment,
Preliminary Treatment, Primary Treatment, S...

Major Sludge Pathway
E. Offsite Incineration and Building Products
Processed at <1000 oC

% Representation of Sludge Disposal
100%

Average Total Wastewater Generated
336.02 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

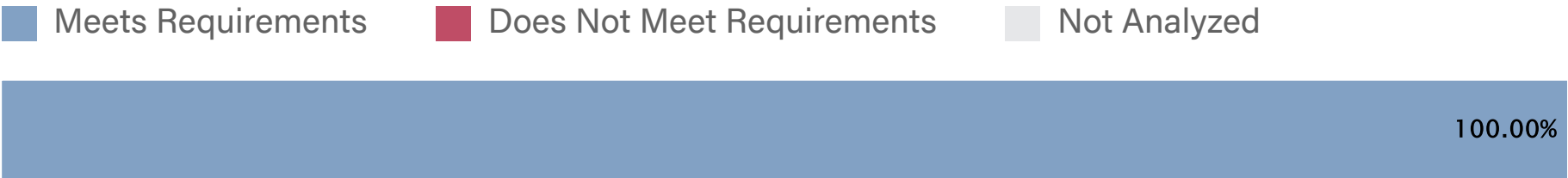
34/36

Metals

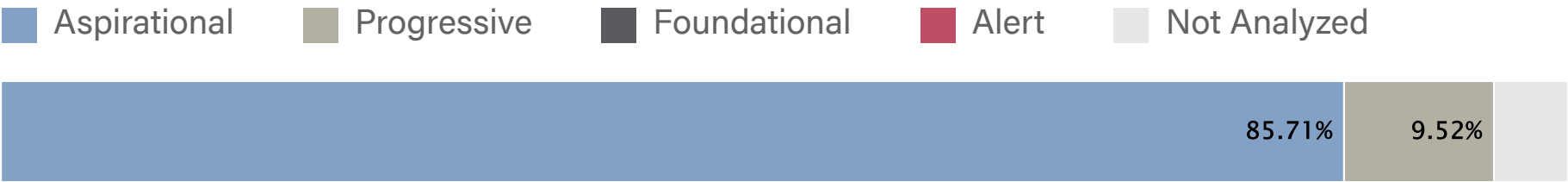
PERFORMANCE BREAKDOWN

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

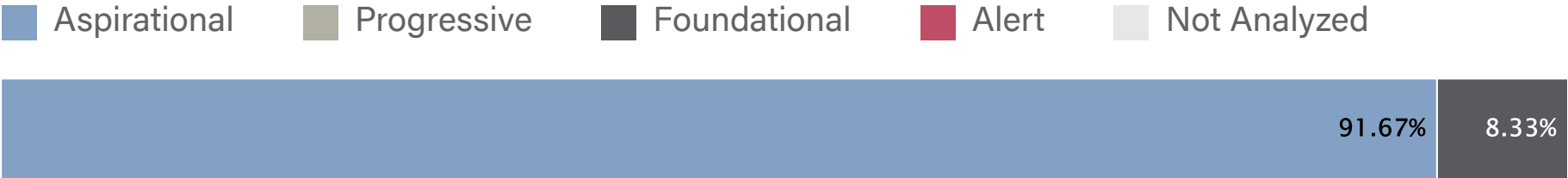
MRSL



Conventional and Anions



Metals

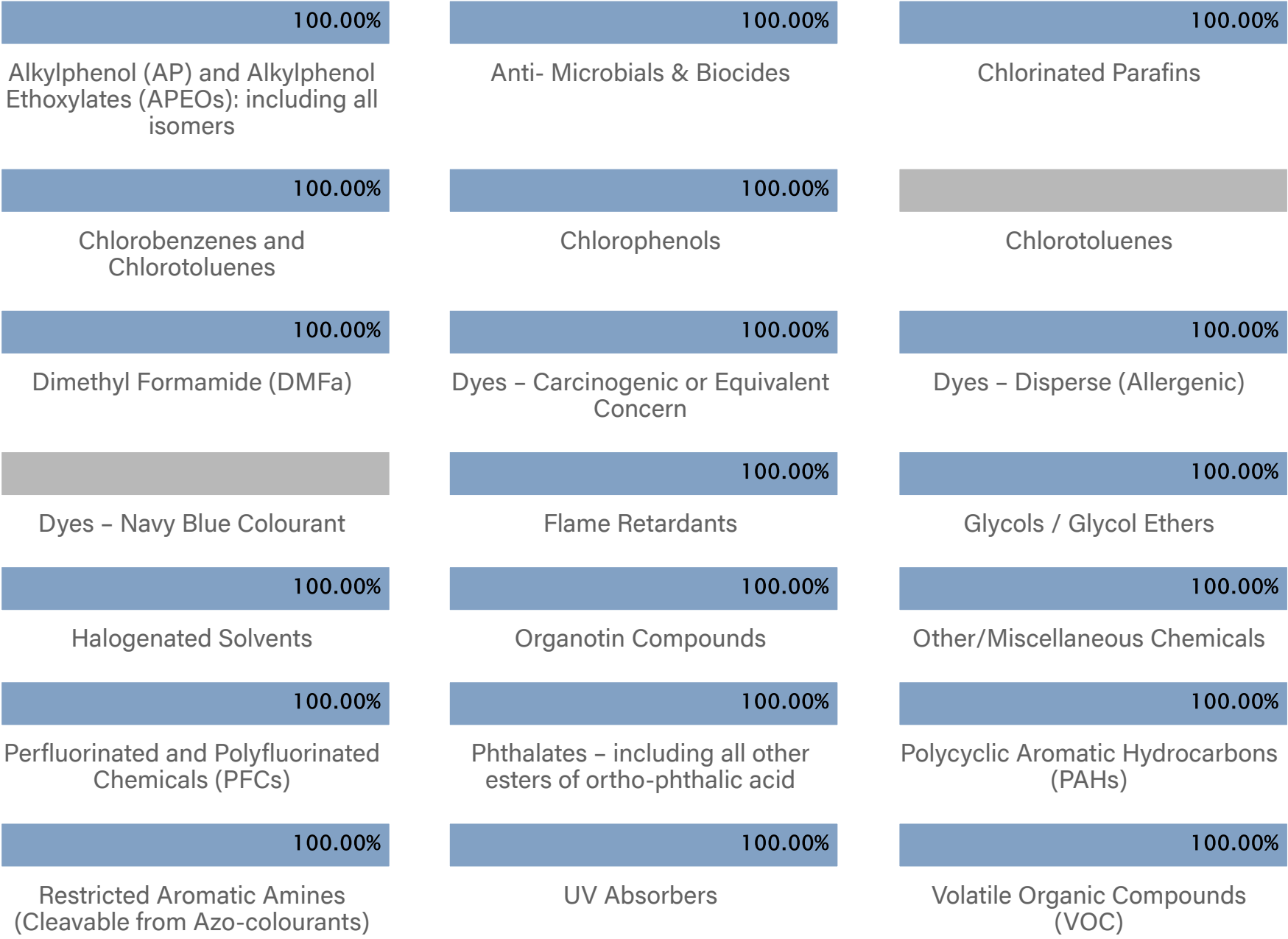


Sludge



Requirements met for Major
Sludge Disposal Pathway

PARAMETER TYPE DETAILS: MRSL



Meets Requirements

Does Not Meet Requirements

Not Analyzed

Not Required

Parameter	Value
1,2-benzenedicarboxylic acid, di-C6-8 branched and liearalkyl esters , C7-rich (DIHP) - (µg/l)	ND
1,2-benzenedicarboxylic acid, di-C7-11 branched and liearalkyl 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

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
Dipropylin 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

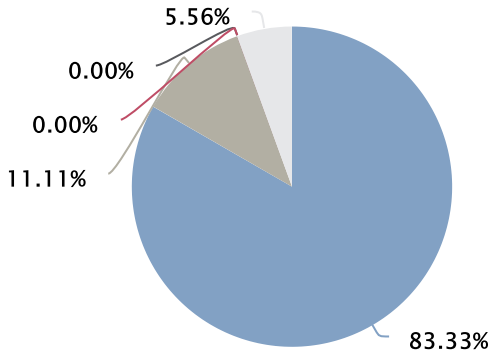
Parameter	Value
Disperse Orange 11 - (µg/l)	ND
Disperse Orange 3 - (µg/l)	ND
Disperse Orange 37/59/76 - (µg/l)	ND
Disperse Red 1 - (µg/l)	ND
Disperse Red 11 - (µg/l)	ND
Disperse Red 17 - (µg/l)	ND
Disperse Yellow 1 - (µg/l)	ND
Disperse Yellow 3 - (µg/l)	ND
Disperse Yellow 39 - (µg/l)	ND
Disperse Yellow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

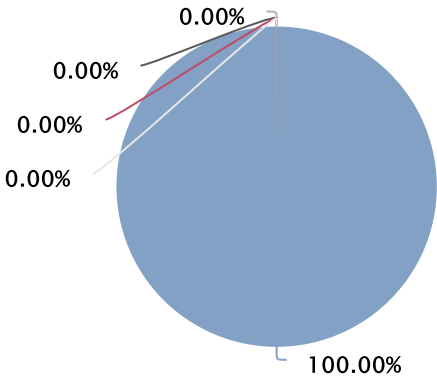
Parameter	Value
Tetrabromobisphenol A (TBBPA) - (µg/l)	ND
Tetrabromodiphenyl ether (TetraBDE) - (µg/l)	ND
Tetrabutyltin Compounds (TeBT) - (µg/l)	ND
Tetrachloroethylene - (µg/l)	ND
Tetraethyltin Compounds (TeET) - (µg/l)	ND
Tetraoctyltin compounds (TeOT) - (µg/l)	ND
Thiourea - (µg/l)	ND
Toluene - (µg/l)	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-102.8

PARAMETER TYPE DETAILS: CONVENTIONALS AND ANIONS

- Aspirational
- Progressive
- Foundational
- Alert
- Not Analyzed



CONVENTIONALS



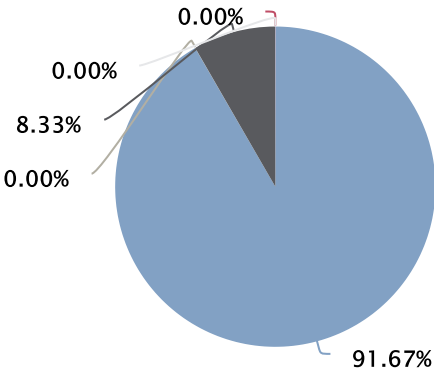
ANIONS

Parameter	Value
Ammonium-Nitrogen - (mg/l)	ND
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)	1.35
Colour (525nm) - (m ⁻¹)	0.61
Colour (620nm) - (m ⁻¹)	0.29
Dissolved Oxygen (DO) - (mg/l)	7.68
E.coli - (MPN/100mL)	ND
Oil and Grease - (mg/l)	ND
Persistent foam - (None)	Absent
pH - (pH)	8.17
Phenol - (mg/l)	0.0069
Temperature difference - (C)	NA
Total Chlorine - (mg/l)	0.16
Total Dissolved Solids (TDS) - (mg/l)	1180
Total Nitrogen - (mg/l)	ND
Total Phosphorus - (mg/l)	0.257
Total Suspended Solids (TSS) - (mg/l)	ND
Wastewater flowrate - (m ³ /day)	1327.98

Parameter	Value
Chloride - (mg/l)	225
Cyanide, total - (mg/l)	ND
Sulfate - (mg/l)	200
Sulfide - (mg/l)	ND
Sulfite - (mg/l)	ND

PARAMETER TYPE DETAILS: METALS

- Aspirational
- Progressive
- Foundational
- Not Analyzed
- Alert



METALS

Parameter	Value
Antimony (Sb) - (mg/l)	0.065
Arsenic (As) - (mg/l)	ND
Barium (Ba) - (mg/l)	ND
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

2025-Oct

Reporting Date

27-10-2025

Sample Date

04-09-2025

ZDHC APPROVED LABORATORY DETAILS

Name

Bureau Veritas Consumer Products Services (Hong Kong) Limited, Taiwan Branch

Address

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Email Address

sunny.wang@bureauveritas.com

Sampler ID

ZDHC-A-24-E-C001068-R372F-58555

Lab Test Reference Number

62252470062

Contact Name

Wang Sunny

Contact Number

+886-6619- 6257

APPENDIX

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