



**FSE Environmental Laboratory Services Limited**

豐盛環境化驗服務有限公司

**ADDRESS** : Portion B, 6/F, Hop Shi Factory Building, 29-31 Lee Chung Street, Chai Wan,  
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**CLIENTELE** : Public  
服務對象 公眾



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**ACCREDITED TEST** : Chemical Testing 化學測試  
**CATEGORY** Environmental Testing 環境測試  
**認可測試類別**



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<b>Chemical Testing 化學測試</b>		
<b>ITEM TESTED OR MEASURED</b> 測試或量度項目	<b>SPECIFIC TEST OR PROPERTY MEASURED</b> 特定測試或量度的特性	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b> 規範、標準方法或應用技術
Sodium hypochlorite solution	Available chlorine  Free caustic alkali (as NaOH)	GB 19106-2013 Cl. 5.3  GB 19106-2013 Cl. 5.4



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<b>Environmental Testing 環境測試</b>		
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Indoor Air Quality Testing	Extractable components collected in passive samplers:-  - Formaldehyde  - Nitrogen dioxide	In house method STP16 (HPLC-DAD)  In house method STP17 (UV-Vis Spectrophotometer)

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Water and wastewater	Physical examination:-  - pH  - Conductivity  - Turbidity  - Total Alkalinity  - Total Suspended Solids  - Total Dissolved Solids  - Total Hardness (as CaCO <sub>3</sub> )  - Calcium Hardness  - Color	APHA 22e 4500 – H <sup>+</sup> B  APHA 22e 2510 B  APHA 22e 2130 B  APHA 22e 2320 B  APHA 22e 2540 D  APHA 22e 2540 C  APHA 22e 2340 C (EDTA Titrimetric Method)  APHA 22e 3500 – Ca B (EDTA Titrimetric Method)  APHA 22e 2120 B (excluding clause 1D)
Water and wastewater	Non-metallic constituents:-  - Chlorine (Total residual)  - Chlorine (Free residual)  - Chloride  - Sulphate  Organic Pollutants:-  - Chemical Oxygen Demand (COD)  - Biochemical Oxygen Demand (5 days)  - Oil and grease  - Nonionic surfactants (as CTAS)  - Anionic surfactants (as MBAS)  - Total surfactants (anionic and nonionic)	APHA 22e 4500 – Cl G  APHA 22e 4500 – Cl G  APHA 22e 4500 – Cl <sup>-</sup> B (Argentometric Method)  APHA 22e 4500 – SO <sub>4</sub> <sup>2-</sup> E (Turbidimetric Method)  APHA 22e 5220 D  BS 6068-2.63:1998 BS EN 1899-1:1998  APHA 23e 5520 B  BS 6068-2.24:1986 ISO 7875-2:1984  BS EN 903:1994 BS 6068-2.23:1994  In-house method STP20 & STP21 (By calculation)



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Natural water, treated water	Trace Metals:- - Total Iron	APHA 22e 3500 – Fe B (Phenanthroline Method)
Tap water	Trace Metals (Total recoverable):- - Digestion procedure  - Aluminum, Arsenic, Antimony, Cadmium, Calcium, Chromium, Copper, Lead, Iron, Mercury, Nickel, Zinc	In house method STP15 (Acid digestion)  In house method STP15 (ICPMS)
Saline water	Physical Examination:- - Total Suspended Solids (TSS) dried at 103-105°C	APHA 22e 2540 D

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Collectate sampled by Air Sampler	Microbiological examinations:- - Airborne bacteria count (number of colonies & corrected of colonies on agar plate) (30°C for 2 days)	In house method MSTP03
Collectate samples on agar plate	- Airborne bacteria count (number of colonies on agar plate) (30°C for 2 days)	In house method MSTP03
Water, Wastewater and Cooling Tower Water	Microbiological examinations:- - <i>Legionellae spp.</i> including <i>Legionella pneumophila</i>	AS/NZS 3896:1998 AS/NZS 3896:2008 AS 3986:2017
Treated Bathing Water, water for human use and consumption	Microbiological examinations:- - <i>Legionellae spp.</i> including <i>Legionella pneumophila</i>	ISO 11731-2:2004 BS EN ISO 11731-2:2008 BS 6068-4.18:2004
Swimming Pool Water	- Enumeration of <i>Pseudomonas aeruginosa</i>  - Enumeration of <i>Staphylococcus aureus</i>	BS EN ISO 16266:2008 (Membrane filtration)  APHA 23e 9213B Section 6
Water and wastewater	- <i>E. coli</i>  - Total <i>Coliform</i>  - Faecal <i>Coliform</i>  - Heterotrophic plate count (Colony count at 35°C and 37°C)	DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Section 7.8, 7.9.4.2; Bacterial Confirmation: Section 7.9.4.4 and <i>in situ</i> urease test)  DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Section 7.8, 7.9.4.1; Bacterial Confirmation: Section 7.9.4.3)  DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Section 7.8, 7.9.4.2; Bacterial Confirmation: Section 7.7.6.3)  APHA 22e 9215A & B