



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,
地址 Hong Kong.
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服務對象 公眾



Scope of Accreditation
Registration No. HOKLAS 252
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Issue Date: 19 December 2022
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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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Chemical Testing 化學測試		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Sodium hypochlorite solution	Available chlorine	GB 19106-2013 Cl. 5.3
	Free caustic alkali (as NaOH)	GB 19106-2013 Cl. 5.4



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Environmental Testing 環境測試		
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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	APHA 23e 4500 – H ⁺ B
	- Conductivity	APHA 22e 2510 B
	- Turbidity	APHA 23e 2130 B
	- Total Alkalinity	APHA 22e 2320 B
	- Total Suspended Solids	APHA 22e 2540 D
	- Total Dissolved Solids	APHA 22e 2540 C
	- Total Hardness (as CaCO ₃)	APHA 22e 2340 C (EDTA Titrimetric Method)
	- Calcium Hardness	APHA 22e 3500 – Ca B (EDTA Titrimetric Method)
	- Color	APHA 22e 2120 B < <i>Excluding the following</i> > Clause 1D
	Non-metallic constituents:-	
	- Chlorine (Total residual)	APHA 22e 4500 – Cl G
	- Chlorine (Free residual)	APHA 22e 4500 – Cl G
	- Chloride	APHA 22e 4500 – Cl ⁻ B (Argentometric Method)
Water	- Sulphate	APHA 22e 4500 – SO ₄ ²⁻ E (Turbidimetric Method)
	- Chloride	In house method STP22 (Ion Chromatography)
	- Sulphate	In house method STP22 (Ion Chromatography)

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Water and wastewater (cont'd)	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) Trace Metals:- - Total Iron Trace Metals (Total recoverable):-	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)
Natural water, treated water	- Total Iron Trace Metals (Total recoverable):-	APHA 22e 3500 – Fe B (Phenanthroline Method)
Tap water	- Digestion procedure - Aluminum, Arsenic, Antimony, Barium, Boron, Cadmium, Calcium, Chromium, Copper, Lead, Iron, Mercury, Nickel, Silver, Zinc, Sodium, Manganese	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 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
Tap water	- Detection of <i>Salmonella spp.</i>	BS EN ISO 19250:2013 (Membrane Filtration)
Water, wastewater and cooling tower water	- <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	- <i>Legionellae spp.</i> Including <i>Legionella pneumophila</i>	ISO 11731-2:2004 BS EN ISO 11731-2:2008 BS 6068-4.18:2004 ISO 11731:2017 (E) (Membrane Filtration) BS EN ISO 11731:2017 (Membrane Filtration)
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