



Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

ADDRESS : 4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong
地址 香港九龍達之路七十八號生產力大樓四樓

ENQUIRY : Dr LAM Chi-chung, Head, Bio-Life Tech Innovation and Testing
查詢 林子聰博士，主管，生命科技創新及測試

TELEPHONE : 2788 5525
電話

FAX : 2788 5608
傳真

E-MAIL : cclam@hkpc.org
電郵

WEBSITE ADDRESS : www.hkpc.org
網址

CLIENTELE : Public
服務對象 公眾



Scope of Accreditation
Registration No. HOKLAS 039
Page 1 of 10
Issue Date: 14 March 2022
Ref: HOKLAS039-63

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

ADDRESS : 4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong
地址 : 香港九龍達之路七十八號生產力大樓四樓

ACCREDITED TEST : Chinese Medicine 中藥

CATEGORY : Environmental Testing 環境測試

認可測試類別 : Food 食品

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

| Chinese Medicine 中藥 | | |
|---|--|---|
| 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 |
| Proprietary Chinese Medicine & Chinese Herbal Medicine | Toxic elements:- Arsenic, Cadmium, Mercury, Lead Pesticide residues:- alpha-BHC beta-BHC delta-BHC Lindane Aldrin Dieldrin Endrin cis-Chlordane Trans-Chlordane Oxychlordane Heptachlor Heptachlor epoxide Hexachlorobenzene Methyl pentachlorophenyl sulphide Pentachloroaniline Quintozene 4,4'- DDD 4,4'- DDE 2,4'- DDT 4,4'- DDT | In-house method TCM-METAL-1 (microwave digestion/ICP-MS) In-house method TCM-OCP-1 (GC-ECD and GC-MSD (2,4'-DDT only)) |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

Environmental Testing 環境測試

| 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 |
|------------------------------------|--|--|
| Drinking water | Non-metallic constituents :- - Chlorine (Free residual) | In House Method WTM-CL2-3 (DPD colorimetric method) |
| Water and Wastewater | Physical Examination :- Conductivity Colour pH Value Hardness (as CaCO ₃) Total Dissolved Solid dried at 180°C Volatile Suspended Solids ignited at 550°C Total Suspended Solids dried at 103°-105°C Dissolved Oxygen Total solids dried at 103°-105°C Turbidity Trace Metals :- Acid digestion procedure: - Aluminum, Antimony, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Gold, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Silver, Sodium, Thallium, Tin, Vanadium and Zinc - Arsenic, Selenium, Mercury - Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Gold, Iron, Lead, Magnesium, Manganese, Mercury, , Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium and Zinc | APHA 21e 2510 B APHA 20e 2120 B APHA 21e 4500-H ⁺ B (Glass electrode) APHA 21e 2340 C APHA 17e 2540 C APHA 17e 2540 E APHA 17e 2540 D BS 6068: Section 2.15: 1986 APHA 18e 2540 B APHA 18e 2130 B APHA 18e 3030 A, 3030 E & 3030 F.3b In-house method WTM-ICPMS-1 (nitric acid / hydrochloric acid and nitric acid) In-house method WTM-ICPMS-1 (ICP-MS) |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

Environmental Testing 環境測試

| 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 |
|------------------------------------|---|---|
| Water and Wastewater (cont'd) | Non-metallic constituents :- - Total residual chlorine - Chloride - Sulphate - Nitrogen (Ammonia) - Nitrogen (Kjeldahl) - Alkalinity (as CaCO ₃) - Total Cyanide - Nitrogen (Nitrite) - Nitrogen (Nitrate) - Total Reactive Phosphorus - Fluoride - Total Phosphorus - Nitrogen (Ammonia) - Nitrogen (Nitrite) - Nitrogen (Nitrate) - Oxidized Nitrogen - Total Nitrogen - Sulphide (in aqueous absorbing solution for air sampling) | APHA 21e 4500-Cl B In House Method WTM-IC-1 (Ion chromatography) In House Method WTM-IC-1 (Ion chromatography) APHA 17e 4500-NH ₃ B & E APHA 22e 4500-N _{org} B & 4500-NH ₃ C APHA 21e 2320 B In House Method WTM-CN-3 (FIA) APHA 21e 4500-NO ₂ B In House Method WTM-IC-1 (Ion chromatography) APHA 21e 4500-P E APHA 21e 4500-F ⁻ C APHA 21e 4500-PB.5 & E In-house Method WTM-NH ₃ -4 (FIA) In-house Method WTM-NO ₂ -2 (FIA) In-house Method WTM-NO ₃ -4 (FIA) In-house Method WTM-NO ₃ -4 (FIA) In-house Method WTM-TN-3 (FIA) APHA 21e 4500-S ²⁻ F |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

Environmental Testing 環境測試

| 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 |
|------------------------------------|--|---|
| Water and Wastewater (cont'd) | <p>Organic Pollutants :-</p> <ul style="list-style-type: none"> - Oil and grease - Biochemical Oxygen Demand - Chemical Oxygen Demand - Anionic surfactants as MBAS - Non-ionic surfactants - Total organic carbon <p>Polycyclic Aromatic Hydrocarbons: Naphthalene; Acenaphthene; Acenaphthylene; Fluorene; Phenanthrene; Anthracene; Fluoranthene; Pyrene; Benzo(a)anthracene; Chrysene; Benzo(b)fluoranthene; Benzo(k)fluoranthene; Benzo(a)pyrene; Indo(1,2,3-cd)pyrene; Dibenz(a,h)anthracene; Benzo(ghi)perylene</p> <p>Polychlorinated biphenyl congeners 2,4'-Dichlorobiphenyl (8) 2,2'5 - Trichlorobiphenyl (18) 2,4,4' - Trichlorobiphenyl (28) 2,2',3,5' - Tetrachlorobiphenyl (44) 2,2', 5,5' - Tetrachlorobiphenyl (52) 2,3',4,4'-Tetrachlorobiphenyl (66) 3,3',4,4'-Tetrachlorobiphenyl (77) 2,2'4,5,5' - Pentachlorobiphenyl (101) 2,3,3'4,4' - Pentachlorobiphenyl (105) 2,3'4,4',5 - Pentachlorobiphenyl (118) 3,3',4,4',5-Pentachlorobiphenyl (126) 2,2',3,3',4,4' - Hexachlorobiphenyl (128) 2,2',3,4,4',5' - Hexachlorobiphenyl (138) 2,2',4,4',5,5' - Hexachlorobiphenyl (153) 3,3',4,4',5,5'-Hexachlorobiphenyl (169) 2,2',3,3',4,4'5 - Heptachlorobiphenyl (170) 2,2',3,4,4',5,5' - Heptachlorobiphenyl (180) 2,2',3,4',5,5',6-Heptachlorobiphenyl (187) 2,2',3,3',4,4',5,6-Octachlorobiphenyl (195) 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)</p> | <p>APHA 20e 5520 B</p> <p>BS 6068 : Section 2.14 : 1990</p> <p>APHA 21e 5220 B APHA 18e 5220 D ASTM D 1252-88 B 1992 (Low range)</p> <p>In House Method WTM-MBAS-1 (Colorimetric)</p> <p>In House Method WTM-NIS-1 (Colorimetric)</p> <p>ISO 8245: 1987 (E)</p> <p>In-house Method WTM-PAH-1 (GC/MSD)</p> <p>In House Method WTM-PCB-1 (GC-ECD)</p> |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

| Environmental Testing 環境測試 | | |
|---|--|---|
| 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 |
| Water and Wastewater (cont'd) | Organic Pollutants :- (cont'd) Volatile Organic Compounds (VOCs) Benzene; bromodichloromethane; bromoform; chloroform; dibromochloromethane; dichloromethane; 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; ethyl benzene; styrene; tetrachloroethylene; toluene; trichloroethylene; m,p-xylene; o-xylene | In House Method WTM-VOC-2 (GC-MSD) |
| Sediment and Sludge | Total solids dried at 103-105°C | In House Method WTM-TS-4 (Gravimetric) |
| Sediment | Trace Metals : (Acid Leachable) - Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Manganese, Molybdenum, Nickel, Tin, Zinc | In House Method Sediment-Metal-3 (ICP-MS) |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

Environmental Testing 環境測試

| 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 |
|---|---|---|
| Consumer Products – Paints (Solventborne and Waterborne) | Volatile Organic Compounds (VOCs) Exempt VOCs Acetone Dichloromethane Methyl acetate Parachlorobenzotrifluoride Tetrachloroethylene Volatile content Water content Paint density | In House Method OT-EC-1 (GC/MS) USEPA Method 24 Section 11.2.2 & 11.3.1 (ASTM D2369-10ε1) USEPA Method 24 Section 11.3.2 (ASTM D4017-02 Reapproved 2008) <Excluding the following> App. X2 USEPA Method 24 Section 11.3.3 (ASTM D1475-98 Reapproved 2012) |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

| Environmental Testing 環境測試 | | |
|--|---|--|
| 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 |
| Water and Wastewater | Microbiological tests:- - E. coli - Total Coliform | DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Section 7.8 and 7.9.4.2 Bacterial Confirmation: in-situ urease test DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Section 7.8 and 7.9.4.1 Bacterial Confirmation: 7.9.4.3 |
| Water, Wastewater, and Cooling Tower Water | - Heterotrophic Plate Count - Legionellae including <i>Legionella pneumophila</i> | APHA 23e 9215 A&B AS/NZS 3896: 2008 |
| Cooling Tower Water | - Legionellae including <i>Legionella pneumophila</i> | AS 3896: 2017 |
| Drinking Water | - Legionellae including <i>Legionella pneumophila</i> | ISO 11731-2: 2004 |
| Saline Water | Physical examination :- - Total Suspended Solids dried at 103-105°C | APHA 22e 2540D |

Hong Kong Productivity Council – Green Living Laboratory

香港生產力促進局 - 綠色生活化驗室

4/F, HKPC Building, 78 Tat Chee Avenue, Yau Yat Chuen, Kowloon, Hong Kong

香港九龍達之路七十八號生產力大樓四樓

| Food 食品 | | |
|---|--|---|
| 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 |
| General foodstuff | Trace metals:- - Antimony, Arsenic, Cadmium, Chromium, Lead, Mercury, Tin | In House Method FD-METAL-1 (ICP-MS) |