


NO: SAMM 983(Issue 2, 08 May 2025 replacement
of SAMM 983 dated 08 May 2025)

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LABORATORY LOCATION/ CENTRAL OFFICE:	Laboratory Department, Hydromission Sdn. Bhd. NO. 2F-1, 2F-2 & 2F-3 TINGKAT KENARI 6 , 11900, PULAU PINANG MALAYSIA
	
ACCREDITED SINCE :	08 MAY 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGICAL
SITE:	
1 . SITE LABORATORY(HQ) :	CATEGORY I
FIELD(S) OF TESTING :	MICROBIOLOGICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Laboratory Department, Hydromission Sdn. Bhd. NO. 2F-1, 2F-2 & 2F-3 TINGKAT KENARI 6 , 11900, Pulau Pinang
FIELD(S) OF TESTING :	CHEMICAL, MICROBIOLOGICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water - Potable And Domestic Water - Swimming Pool And Spa	Color	APHA 2120 C (2023)
	Turbidity	APHA 2130 B (2023)
	pH Value @ 25°C	APHA 4500-H ⁺ B (2023)
	Total Suspended Solids	APHA 2540 D (2023)
	Fluoride	HACH Method 10225 (2014)
	Cyanide	HACH Method 8027 (2014)
	Conductivity	APHA 2510 B (2023)
	Hardness	APHA 2340 C (2023)
	Total Alkalinity	APHA 2320 B (2023)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Environmental Monitoring - Sewage Water	pH Value @ 25°C	APHA 4500-H ⁺ B (2023) APHA 4500-H ⁺ B (2005)
	Nitrogen (Nitrate)	APHA 4500-NO ₃ ⁻ B (2023) APHA 4500-NO ₃ ⁻ B (2005)
	Phosphorus	APHA 4500-P C (2023) APHA 4500-P C (2005)
	Biochemical Oxygen Demand (5 days @ 20-•°C)	APHA 5210 B (2023) & APHA 4500- O G (2023) APHA 5210 B (2005) & APHA 4500- O G (2005)
	Chemical Oxygen Demand	APHA 5220 D (2023) APHA 5220 D (2005)
	Oil and Grease	APHA 5520 B (2023) APHA 5520 B (2005)
	Nitrogen (Ammonia)	APHA 4500-NH ₃ B & C (2023) APHA 4500-NH ₃ B & C (2005)
	Total Suspended Solids APHA 2540 D (2005)	APHA 2540 D (2023) APHA 2540 D (2005)
Water - Potable And Domestic Water - Swimming Pool And Spa	Nitrogen (Nitrate)	APHA 4500-NO ₃ - B (2023)

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water - Swimming Pool Water - Drinking Water	Heterotrophic Plate Count	APHA 9215 B (2023) Pour Plate Method APHA 9215 D (2017) Membrane Filter Method
-drinking Water - Tap Water - Non-potable Water -swimming Pool Water	Standard Total Coliform	APHA 9221 B (2023) Multiple-Tube Fermentation Technique APHA 9222 B (2023) Membrane Filter Method
- Drinking Water - Surface Water - Waste Water - Non-potable Water -swimming Pool	Escherichia coli	APHA 9221 F (2023) Multiple-Tube Fermentation Technique APHA 9222 I (2023) Membrane Filter Method

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Treated And Untreated Water	Examination for Legionella spp. including Legionella pneumophila -Serogroup 1 -Serogroup 2-14 -Total Legionella -Legionella spp.	AS/NZS 3896:2017
- Swimming Pool Water	Staphylococcus aureus count	APHA 9213 B (2023) Membrane Filter Method
	Pseudomonas aeruginosa	APHA 9213 F (2023) Multiple-Tube Technique
- Swimming Pool Water - Drinking Water	Fecal Streptococcus	APHA 9230 C (2017) Membrane Filter Method
- Industrial Water - Recreational Water - Waste Water - Potable Water - Treated Water	Thermotolerant (Fecal) Coliform	APHA 9221 E (2023) Multiple-Tube Fermentation Technique
	Pseudomonas aeruginosa	APHA 9213 E (2023) Membrane Filter Method
		AS 4276.13 (2021) Membrane Filter Method
	Sulphite reducing anaerobes (Clostridia)	AS 4276.17.1 (2016) Membrane Filter Method
	Clostridium perfringens	AS 4276.17.1 (2016) Membrane Filter Method

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3002435> for the current scope of accreditation

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SITE LOCATION (HQ)	1. CATEGORY I
FIELD(S) OF TESTING :	MICROBIOLOGICAL

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Environmental Sampling & Monitoring Air	Total Plate Count Yeast Count Mold Count	In-House Method, HSB-LAB-TM33 based on Compendium of Methods for Microbiological Examination of Foods, Fourth Edition, Chapter 3, 2001 & USP 36 <1116>(2013) by Impaction
Environmental Sampling & Monitoring Equipment Contact Surface And Personnel Hand	Total Plate Count	In-House Method, HSB-LAB-TM24 based on Compendium of Methods for Microbiological Examination of Foods, Chapter 3, 6 & 7, 4th Edition, 2001
	Coliforms Escherichia coli	In-House Method, HSB-LAB-TM25 based on Compendium of Methods for Microbiological Examination of Foods, Chapter 3, 6 & 8, 4 th Edition, 2001