


**NO: SAMM 250**(Issue 2, 03 September 2025 replacement  
of SAMM 250 dated 03 September 2025)

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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	Independent Monitoring Consultants (M) Sdn Bhd 29, Jalan Perai Jaya 5 13700 Butterworth, Pulau Pinang , 13700, PULAU PINANG MALAYSIA
	
<b>ACCREDITED SINCE :</b>	03 SEPTEMBER 2025
<b>FIELD(S) OF TESTING:</b>	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).

<b>CENTRAL LOCATION:</b>	Independent Monitoring Consultants (M) Sdn Bhd 29, Jalan Perai Jaya 5 13700 Butterworth, Pulau Pinang , 13700, Pulau Pinang
<b>FIELD(S) OF TESTING :</b>	MICROBIOLOGICAL,

**SCOPE OF TESTING : MICROBIOLOGICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Water</b> (industrial Water, Recreational Water, Waste Water, Potable Water, treated Water)	Standard Plate Count	AS/NZS 4276.3.2 (2003)
	<b>Coliforms</b>	<b>AS/NZS 4276.5 (2007) - Membrane Filtration</b>
	Coliforms, Thermotolerant Coliforms & <i>Escherichia coli</i>	AS/NZS 4276.6 (2007) - Most Probable Number (MPN)
	Thermotolerant Coliforms & <i>Escherichia coli</i> count	<b>AS/NZS 4276.7 (2007) - Membrane Filtration</b>
	<i>Pseudomonas aeruginosa</i>	AS/NZS 4276.13 (2008) - Membrane Filtration

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Coliform	APHA 9221B (2005) -Most Probable Number (MPN)
	Faecal Streptococci	APHA 9230 C (2005) - Membrane Filtration
	Legionella count	AS/NZS 3896 (2017) - Spread Plate
	Staphylococci and Coagulase Positive Staphylococci	APHA 9213 B (2005) - Membrane Filtration
	Heterotrophic Plate Count	AS/NZS 4276.3.1 (2007) - Pour Plate
	Total Coliforms and Escherichia coli	In-house Method IMC 3.7 based on Merck Microbiology Manual 12th. Edition (2005) and AOAC 020902 (2009)- Membrane Filtration
	Vibrio cholerae	AS/NZS 4276.15 (2014) - Membrane Filtration
	Heterotrophic Plate Count/ Standard Plate Count	APHA 9215D (2005) - Membrane Filtration
	Microbial Contamination Site Sampling	In-house method IMC 2.14 Sampling
<b>Food Samples</b> (solid, Semisolids & Liquids)	Yeast & Moulds	AS 5013.29 (2009) - Spread Plate
	Coliforms	AS 5013.3 (2009)
	Escherichia coli	AS 5013.15 (2006)
	Staphylococci and Coagulase Positive Staphylococci	AS 5013.12.1(2004)
	Salmonella Detection	CCFRA Microbiological Methods Manual Method 3.1.2 (2007)
	Pseudomonas aeruginosa	CCFRA Microbiological Methods Manual Method 2.5.2 (2003) - Spread Plate
	Vibrio parahaemolyticus	AS 1766.2.9 (1991)
	Vibrio cholerae	Chapter 40, CMMEF, APHA (2015)
	Pseudomonas species	AS 5013.21 (2004)
	Standard Plate Count	AS 5013.1 (2004)
	Coliform Count by Pour Plate Method	AS 5013.4 (2004)
	Escherichia coli	AOAC Official Method 998.08 (2005) (Petrifilm Method)
	Coliform	AOAC Official Method 991.14 (2002) (Petrifilm Method)
	Aerobic Plate Count	AOAC Official Method 990.12 (2005)
	Bacillus cereus	CCFRA Method 3.7.1 (2007) - Spread Plate

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Coliforms and Escherichia coli	In-house Method 30.8, based on Merck Microbiology Manual 12th. Edition (2005) and AOAC 020902 (2009)
Equipment, Utensil & Environment	Aerobic Plate Count Yeast and Moulds	Surface Contact Swab Method Chapter 3, CMMEF, APHA, 4th . Edition, (2001)
Environment & Indoor Air	Total Bacteria Count Yeast and Moulds	Indoor Air Quality Chapter 3, CMMEF, APHA, 4th. Edition (2001)
Analysis Of Swabs	Total Bacteria Count -Total Coliforms and Escherichia coli -Yeast and Mould -Staphylococci and Staphylococci CoagulasePositive	Swab Method Chapter 3 CMMEF, APHA, 4th. Edition (2001)

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