


NO: SAMM 733

Page: 1 of 3

LABORATORY LOCATION/ CENTRAL OFFICE:	Southern Regional Laboratory, Sg Labu Water Treatment Plant, Pengurusan Air Selangor Sdn. Bhd. Kampung Lembah Paya Salak Tinggi 43900 Sepang Selangor Darul Ehsan , 43900, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGY

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:	Southern Regional Laboratory, Sg Labu Water Treatment Plant, Pengurusan Air Selangor Sdn. Bhd. Kampung Lembah Paya Salak Tinggi 43900 Sepang Selangor Darul Ehsan , 43900, Selangor
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
Drinking Water, Treated Water, Raw Water	Total Organic Carbon (TOC) Total Carbon (TC)	APHA 5310 B High-Temperature Combustion Method
Effluent	pH	APHA 4500 - H*B
Effluent/ Wastewater	pH	APHA 4500 - H*B
	Colour	HACH Method No. 10048 (ADMI)
	Turbidity	APHA
	Ammonia	HACH Method No . 8155
	Total Iron	HACH Method No . 8008
	Manganese	HACH Method No . 8149
	Fluoride	HACH Method No 10225
	Aluminium	HACH Method No . 8012

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 733

Page: 2 of 3

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Filtered Water, Settled	Magnesium	None
Raw Water And Effluent	Total Suspended Solid	APHA 2540 D
Raw Water Treated Water	None	Membrane Filter Technique
	Simultaneous Total Coliform	In House Method based on APHA
	Total Dissolved Solid (TDS)	n-House Method LAP-LAB-TM-12
	Chloride	n-House Method LAP-LAB-TM-13 (HACH Method 8113)
	Nitrate	n-House Method LAP-LAB-TM-15 (HACH Method 8192)
	Iron	n-House Method LAP-LAB-TM-16 (HACH Method 8008)
	Manganese	n-House Method LAP-LAB-TM-17 (HACH Method 8149)
	Total Coliform & Faecal Coliform	In-House Method LAP-LAB-TM-09 (Membrane Filtration Technique)
River Water, Raw Water,	Total Dissolved Solids	APHA 2540 C
	Sodium	APHA 3125 B
River Water, Raw Water, Filtered Water, Treated Water, Settled Water	pH	APHA 4500 - H*B
	Colour	HACH Method No . 8025
	Turbidity	APHA
	Free Chlorine	HACH Method No . 8021
	Ammonia	HACH Method No . 8155
	Total Iron	HACH Method No . 8008
	Manganese	HACH Method No . 8149
	Fluoride	HACH Method No . 10225
	Aluminium	HACH Method No . 8012
	Chemical Oxygen Demand	HACH Method No . 8000
Treated Water, Effluent	Biochemical Oxygen Demand	HACH Method No. 8043
	Hardness	HACH Method No. 8226
Water, Treated Water, Drinking Water	Aluminium Chromium Iron	None

SCOPE OF TESTING : MICROBIOLOGY

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Drinking Water	and Escherichia coli count	9222 H
	Coliform and Escherichia coli	Presence/absence Technique
	pH	APHA 4500-H* B
	Colour	APHA 2120B
	Turbidity	APHA 2130B
	Free Chlorine	HACH Method No . 8021
	Ammonia as N	HACH Method No . 8038
	as Fe	HACH Method No . 8008

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 733

Page: 3 of 3

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Manganese as Mn	HACH Method No . 8149
	Fluoride as F	HACH Method No . 8029
	Aluminium as Al	HACH Method No . 8326
	pH	APHA 4500-H* B
	Colour	APHA 2120B
	Turbidity	APHA 2130B
	Free Chlorine	HACH Method No . 8021
	Ammonia as N	HACH Method No . 8038
	as Fe	HACH Method No . 8008
	Manganese as Mn	HACH Method No . 8149
	Fluoride as F	HACH Method No . 8029
	Aluminium as Al	HACH Method No . 8326
	Total Dissolved Solids	APHA 2540. C
	Total Dissolved Solids	APHA 2540. C
Drinking Water, Treated	Aldrin	EPA Method 525.3 Version 1.0
	Enumeration of Pseudomonas	Compact Dry Method Membrane
Raw Water	Anionic Surfactants as MBAS	APHA 5540 C
	Turbidity	APHA 2130 B
	pH	APHA 4500 - H*B
	Color	HACH Method No. 8025
	Lead as Pb	APHA 3111 B
	Total Solid	APHA 2540 B
	Beryllium as Be	None
River Water	Total Coliform Count	APHA 9222 B
	Total Dissolved Solid	APHA 2540 C
	Barium as Ba	None
	None	None
	None	None
Treated Water	Free Chlorine, High Range	HACH Method No . 10069
	Turbidity	APHA 2130 B
	pH	APHA 4500 - H*B
	Color	HACH Method No. 8025
	Chlorine, Free	HACH Method No. 8021
	Free Chlorine, High Range	HACH Method No. 10069
	Simultaneous Detection of Total	APHA 9223 B
Water, Raw Water	Dieldrin 4,4-DDT	February 2021
	aeruginosa in water	filtration Method Alternative Method

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