


# Schedule

Issue date: 07 November 2023  
Valid Until: 26 September 2028



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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>  	Water Quality Department, Central Laboratory Ranhill SAJ Sdn. Bhd. Water Quality Department Kawasan Perindustrian Sri Gading Batu 6, Jalan Kluang/ Batu Pahat 83300 Batu Pahat, Johor , 83300, JOHOR MALAYSIA
<b>ACCREDITED SINCE :</b>	26 SEPTEMBER 2005
<b>FIELD(S) OF TESTING:</b>	CHEMICAL MICROBIOLOGICAL
<b>SITE:</b>	
<b>1 . SITE LABORATORY(HQ) :</b>	MUAR SITE LABORATORY, JALAN ISMAIL, MALAYSIA
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,MICROBIOLOGICAL
<b>2 . SITE LABORATORY(HQ) :</b>	KOTA TINGGI SITE LABORATORY, KM 12, JALAN KULAI-KOTA TINGGI KG. SRI JAYA, MALAYSIA
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,MICROBIOLOGICAL
<b>3 . SITE LABORATORY(HQ) :</b>	CATEGORY I
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,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>	Water Quality Department, Central Laboratory Ranhill SAJ Sdn. Bhd. Water Quality Department Kawasan Perindustrian Sri Gading Batu 6, Jalan Kluang/ Batu Pahat 83300 Batu Pahat, Johor , 83300, Johor
<b>FIELD(S) OF TESTING :</b>	CHEMICAL, MICROBIOLOGICAL

**SCOPE OF TESTING : CHEMICAL**

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Water</b> Raw Water And Treated Water	pH Value	APHA 4500 H+ B
	Colour	HACH 8025, Edition 10, 2014
	Flouride	HACH 8029, Edition 10, 2018
	Aluminium	HACH 8012, Edition 11, 2018
	Chloride	APHA 4500 Cl- D
	Hardness	APHA 2340 C
	Ammonia	HACH 8038, Edition 9, 2017
	Manganese	HACH 8149, Edition 10, 2017
	Total Dissolved Solids (empirically derived from conductivity measurement)	HACH 8160, Edition 10, 2021
	Aluminium Chromium Manganese Nickel Copper Zinc Arsenic Selenium Argentum Cadmium Barium Lead	APHA 3030 F + APHA 3125 B
	Boron Sodium Magnesium Potassium Calcium Iron Tin Mercury	In-house method SAJ/01/ICPMS based on APHA 3030 F + APHA 3125 B
	Fluoride Nitrate Sulfate Chloride	APHA 4110 B by Ion Chromatography

## SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Treated Water	E. coli	APHA 9223B
	Total Coliform	APHA 9223B

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<b>SITE LOCATION (HQ)</b>	1. CATEGORY I
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,MICROBIOLOGICAL

## SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Water</b> Raw Water And Treated Water	On-site Sampling	In-house method: SAJ/01/Sampling based on APHA 1060 B
	On-site Testing: pH Value	APHA 4500 H+ B
	Residual Chlorine	HACH 8021, Edition 9, 2014
	Turbidity	APHA 2130 B

## SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Treated Water	On-site Sampling	In-house method: SAJ/02/Sampling based on APHA 9060 A

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<b>SITE LOCATION (HQ)</b>	2. KOTA TINGGI SITE LABORATORY, KM 12, JALAN KULAI-KOTA TINGGI KG. SRI JAYA, MALAYSIA
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,MICROBIOLOGICAL

**SCOPE OF TESTING : CHEMICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Water</b> Raw Water And Treated Water	Ammonia	HACH 8038, Edition 9, 2017
	Hardness	APHA 2340 C
	Fluoride	HACH 8029, Edition 10, 2018
	Colour	HACH 8025, Edition 10, 2014
	Chloride	APHA 4500 Cl- D
	Total Dissolved solids (empirically derived from conductivity measurement)	HACH 8160 Edition 10, 2021
	On-site Sampling	In-house method: SAJ/01/Sampling based on APHA 1060 B
	On-site Testing: pH Value	APHA 4500 H+ B
	Residual Chlorine	HACH 8021, Edition 9, 2014
	Turbidity	APHA 2130 B

**SCOPE OF TESTING : MICROBIOLOGICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Treated Water	E. coli	APHA 9223B
	Total Coliform	APHA 9223B
<b>Water</b> Treated Water	On-site Sampling	In-house method: SAJ/02/Sampling based on APHA 9060 A

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<b>SITE LOCATION (HQ)</b>	3. MUAR SITE LABORATORY, JALAN ISMAIL, MALAYSIA
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,MICROBIOLOGICAL

**SCOPE OF TESTING : CHEMICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Water</b> Raw Water And Treated Water	Ammonia	HACH 8038, Edition 9, 2017
	Hardness	APHA 2340 C
	Fluoride	HACH 8029, Edition 10, 2018
	Colour	HACH 8025, Edition 10, 2014
	Chloride	APHA 4500 Cl- D
	Total Dissolved solids (empirically derived from conductivity measurement)	HACH 8160, Edition 10, 2021
Raw Water And Treated Water	On-site Sampling	In-house method: SAJ/01/Sampling based on APHA 1060 B
	On-site Testing: pH Value	APHA 4500 H+ B
	Residual Chlorine	HACH 8021, Edition 9, 2014
	Turbidity	APHA 2130 B

**SCOPE OF TESTING : MICROBIOLOGICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Treated Water	E. coli	APHA 9223B
	Total Coliform	APHA 9223B
<b>Water</b> Raw Water And Treated Water	On-site Sampling	In-house method: SAJ/02/Sampling based on APHA 9060 A