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LABORATORY LOCATION/ CENTRAL OFFICE:	Rasa WTP Main Laboratory, Loji Rawatan Air Rasa LOJI RAWATAN AIR RASA JALAN ZURAH 7, PUSAT PERINDUSTRIAN ZURAH 44200 RASA, SELANGOR MALAYSIA , 44200, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL CHEMICAL & MICROBIOLOGICAL 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:	Rasa WTP Main Laboratory, Loji Rawatan Air Rasa LOJI RAWATAN AIR RASA JALAN ZURAH 7, PUSAT PERINDUSTRIAN ZURAH 44200 RASA, SELANGOR MALAYSIA , 44200, Selangor
FIELD(S) OF TESTING :	CHEMICAL, CHEMICAL, MICROBIOLOGICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water And Waste Water	Manganese	n-house Method, Ref. No. H05, based on
	pH	APHA 4500-H* B: 23 Ed.
	Turbidity	APHA 2130 B: 23? Ed.
	Chlorine, Free ? Medium Range	In-house Method, Ref. No. H20, based on HACH 10245, Edition 9
	Manganese	n-house Method, Ref. No. H05, based on HACH 8149
	Aluminium	n-house Method, Ref. No H01 based on HACH 8326

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water And Wastewater	Total Coliform and Escherichia	APHA 9222J:23'4 Ed., Simultaneous
	Free Chlorine	APHA 4500 Cl- G
	Sulphate	APHA 4500 SO4? D
	BOD	APHA 5210 B
	COD	APHA 5220 C
	Total Suspended Solids	APHA 2540 D
	Metal Determination by Inductively Coupled Plasma -"	APHA 3120 B
	Optical Emission Spectrometry (ICP-OES)	None
	Arsenic	None
	Barium	None
	Cadmium	None
	Cobalt	None
	Chromium	None
	Copper	None
	Iron	None
	Manganese	None
	Nickel	None
	Lead	None
	Zinc	None
	Silver	None
	Aluminium	None
	Selenium	None
	Chromium Trivalent	In-House Test Method LMS Method
	Boron	In-House Test Method, LMS Method
	Turbidity	APHA 2130 B, 2005
	Turbidity	APHA 2130 B, 2017
	Conductivity	APHA 2510 B, 2005
	Conductivity	APHA 2510 B, 2017
	Salinity	APHA 2520 B, 2005
	Salinity	APHA 2520 B, 2017
	Total Solids	APHA 2540 B, 2005
	Total Solids	APHA 2540 B, 2017
	Total Dissolved Solids	APHA 2540 C, 2005
	Total Dissolved Solids	APHA 2540 C, 2017
	Total Suspended Solids	APHA 2540 D, 2005
	Total Suspended Solids	APHA 2540 D, 2017
	Temperature	APHA 2550 B, 2005
	Temperature	APHA 2550 B, 2017
	Chloride	APHA 4500-Cl B, 2005
	Chloride	APHA 4500-Cl B, 2017
	pH	APHA 2005
	pH	APHA 2017
	Ammoniacal Nitrogen	APHA 4500-NH3 B & C, 2005

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Temperature	APHA 2550 B, 2005
	Temperature	APHA 2550 B, 2017
	Colour (Hazen/PtCo/CU Units)	APHA 2120 C 2005 APHA 2120 C 2017
	Colour, ADML	APHA 2120 F, 2005 APHA 2120 F, 2017
	Turbidity	APHA 2130 B, 2005 APHA 2130 B, 2017
	Acidity	APHA 2310 B, 2005 APHA 2310 B, 2017
	Alkalinity	APHA 2320 B, 2005 APHA 2320 B, 2017
	Hardness by calculation	APHA 2340 B, 2005 APHA 2340 B, 2017
	Hardness, EDTA Titrimetric	APHA 2340 C, 2005 APHA 2340 C, 2017
	Conductivity	APHA 2510 B, 2005 APHA 2510 B, 2017
	Salinity	APHA 2520 B, 2005 APHA 2520 B, 2017
	Total solids	APHA 2540 B, 2005 APHA 2540 B, 2017
	Temperature	APHA 2550 B, 2017

SCOPE OF TESTING : CHEMICAL & MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water And Waste Water	Manganese	n-house Method, Ref. No. H05, based on
	pH	APHA 4500-H* B: 23 Ed.
	Turbidity	APHA 2130 B: 23? Ed.
	Chlorine, Free ? Medium Range	In-house Method, Ref. No. H20, based on HACH 10245, Edition 9
	Manganese	n-house Method, Ref. No. H05, based on HACH 8149
	Aluminium	n-house Method, Ref. No H01 based on HACH 8326
Water And Wastewater	Total Coliform and Escherichia	APHA 9222J:23'4 Ed., Simultaneous
	Free Chlorine	APHA 4500 Cl- G
	Sulphate	APHA 4500 SO4? D
	BOD	APHA 5210 B
	COD	APHA 5220 C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Suspended Solids	APHA 2540 D
	Metal Determination by Inductively Coupled Plasma -"	APHA 3120 B
	Optical Emission Spectrometry (ICP-OES)	None
	Arsenic	None
	Barium	None
	Cadmium	None
	Cobalt	None
	Chromium	None
	Copper	None
	Iron	None
	Manganese	None
	Nickel	None
	Lead	None
	Zinc	None
	Silver	None
	Aluminium	None
	Selenium	None
	Chromium Trivalent	In-House Test Method LMS Method
	Boron	In-House Test Method, LMS Method
	Turbidity	APHA 2130 B, 2005
	Turbidity	APHA 2130 B, 2017
	Conductivity	APHA 2510 B, 2005
	Conductivity	APHA 2510 B, 2017
	Salinity	APHA 2520 B, 2005
	Salinity	APHA 2520 B, 2017
	Total Solids	APHA 2540 B, 2005
	Total Solids	APHA 2540 B, 2017
	Total Dissolved Solids	APHA 2540 C, 2005
	Total Dissolved Solids	APHA 2540 C, 2017
	Total Suspended Solids	APHA 2540 D, 2005
	Total Suspended Solids	APHA 2540 D, 2017
	Temperature	APHA 2550 B, 2005
	Temperature	APHA 2550 B, 2017
	Chloride	APHA 4500-CI B, 2005
	Chloride	APHA 4500-CI B, 2017
	pH	APHA 2005
	pH	APHA 2017
	Ammoniacal Nitrogen	APHA 4500-NH3 B & C, 2005
	Temperature	APHA 2550 B, 2005
	Temperature	APHA 2550 B, 2017
	Colour (Hazen/PtCo/CU Units)	APHA 2120 C 2005 APHA 2120 C 2017
	Colour, ADMI	APHA 2120 F, 2005 APHA 2120 F, 2017

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Turbidity	APHA 2130 B, 2005 APHA 2130 B, 2017
	Acidity	APHA 2310 B, 2005 APHA 2310 B, 2017
	Alkalinity	APHA 2320 B, 2005 APHA 2320 B, 2017
	Hardness by calculation	APHA 2340 B, 2005 APHA 2340 B, 2017
	Hardness, EDTA Titrimetric	APHA 2340 C, 2005 APHA 2340 C, 2017
	Conductivity	APHA 2510 B, 2005 APHA 2510 B, 2017
	Salinity	APHA 2520 B, 2005 APHA 2520 B, 2017
	Total solids	APHA 2540 B, 2005 APHA 2540 B, 2017
	Temperature	APHA 2550 B, 2017

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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SCOPE OF TESTING : CHEMICAL & MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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