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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	Mizulab Sdn Bhd No. 35, Jalan BP 6/11 Bandar Bukit Puchong 47100 Puchong, Selangor , 47100, SELANGOR MALAYSIA
	
<b>ACCREDITED SINCE :</b>	07 APRIL 2025
<b>FIELD(S) OF TESTING:</b>	CHEMICAL

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>	Mizulab Sdn Bhd No. 35, Jalan BP 6/11 Bandar Bukit Puchong 47100 Puchong, Selangor , 47100, Selangor
<b>FIELD(S) OF TESTING :</b>	CHEMICAL,

**SCOPE OF TESTING : CHEMICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Water</b>	pH	APHA - 4500-H B
(1) River Water, Drinking Water	Colour	APHA-2120B
Well Water, Ground Water,	Turbidity	APHA-2130B
Effluent, Waste Water, Tube Well	Conductivity	APHA-2510B
Water, Mineral Water, Marine	Temperature	APHA - 2550B
Water, Surface Water, Process	Total Dissolved Solids	APHA - 2540C
Water (deionized Water, Reverse	Total Suspended Solids	APHA - 2540D
Osmosis Water Etc), Sewage	Total Solids	APHA - 2540B
Water, Cooling Tower Water,	Biochemical Oxygen Demand @ 20°C for 5 Days	APHA-5210B & APHA-4500O-G
Swimming Pool Water	Chemical Oxygen Demand	APHA - 5220B or APHA - 5220C
	Chloride as Cl	APHA - 4500CI-B
	Anionic Detergent as MBAS	APHA - 5540C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Ammoniacal Nitrogen as N	APHA - 4500NH3-B&C or B&F
	Nitrate Nitrogen as N	APHA - 4500NO3 D
	Nitrite Nitrogen as N	APHA - 4500NO2 B
	Nitrogen (Organic) as N	APHA - 4500Norg B
	Total Nitrogen (Kjeldahl) as N	APHA - 4500Norg B
	Total Nitrogen as N	APHA - 4500Norg B & APHA - 4500NO3 D
	Fluoride as F	APHA - 4500F B&D
	Mercury as Hg	APHA-3112B
	Selenium as Se	APHA-3114C
	Arsenic as As	In-house No. MW01 (based on APHA-3114C)
	Tin as Sn	In-house No. MW01 (based on APHA-3114C)
	Cyanide as Cn	APHA - 4500CN-C&F
	Aluminium as Al	APHA - 3500Al-B
	Dissolved Oxygen	APHA - 4500O-G
	Silica as SiO2	APHA - 4500Si-D
	Orthophosphorous as P / Total Phosphorous as P	APHA - 4500P-D
	Iron as Fe Cadmium as Cd Lead as Pb Chromium as Cr Silver as Ag Copper as Cu Manganese as Mn Magnesium as Mg	APHA-3111B
	Sodium as Na Zinc as Zn Potassium as K Calcium as Ca	APHA-3111B
	Chromium, 6+	APHA - 3500CrB
	Chromium, 3+	In-house No. MW02 (Based on APHA - 3111B (Total Chromium) & APHA - 3500-Cr B (Applied for Chromium Hexavalent and Total Chromium))
	Nickel as Ni	APHA-3111B
	Antimony as Sb	In-house No. MW01 (Based on APHA-3114C)
	Sulphate as SO4	APHA - 4500SO4-E
	Phenol	APHA - 5530B&C
	Boron as B	APHA - 4500B-C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Free Chlorine as Cl <sub>2</sub> Combined Chlorine as Cl <sub>2</sub> (Monochloroamine and Dichloroamine) Total Chlorine as Cl <sub>2</sub>	APHA - 4500Cl-G
	Sulphide	APHA - 4500Cl-G
	Oil & Grease	APHA – 5520-D
	Total Alkalinity as CaCO <sub>3</sub> Phenolphthalein Alkalinity as CaCO <sub>3</sub> Caustic Alkalinity as CaCO <sub>3</sub> Bicarbonate Alkalinity as CaCO <sub>3</sub> Carbonate Alkalinity as CaCO <sub>3</sub>	APHA - 2320B
	Total Hardness as CaCO <sub>3</sub> Carbonate Hardness as CaCO <sub>3</sub> Noncarbonate Hardness as CaCO <sub>3</sub>	APHA - 2340C
	Colour (ADMI)	APHA – 2120F
	Formaldehyde	In-house No. MW 24 (Based on FMC BioPolymer Alginate Methods-XX-K-XX-SME-2910)
(2) Waste Water, Effluent	Fixed and Volatile Solids Ignited at 550°C (MLVSS, MLSS)	APHA 2540E
(3) Palm Oil Waste Water & Effluent	Chemical Oxygen Demand Ammoniacal Nitrogen Total Suspended solids Total Nitrogen (Macro-Kjeldahl) Oil & Grease	D.O.E. Reference Method
	Biochemical Oxygen Demand @ 30°C for 3 Days	D.O.E. Alternative Method
River Water, Drinking Water Well Water, Ground Water Effluent, Waste Water, Tube Well Water, Swimming Pool Water Part (1) To Part (4)	Sample Pretreatment for Metals Analysis (Ag, Cu, Ca, Cd, Cr, Fe, K, Mn, Mg, Ni, Na, Pb, Zn, As, Hg, Se, Sn)	APHA - 3030E (HNO <sub>3</sub> Digestion) APHA-3030F (HNO <sub>3</sub> - HCl Digestion) APHA 3030B
Ground Water, River Water, Sea Water, Potable Water, Processed Water, Effluent	TOC (Total Organic Carbon)	APHA 5310 C, 21st Edition 2005

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