Schedule

Issue date: 26 March 2025
Valid Until: 30 August 2029

NO: SAMM 298

LABORATORY LOCATION/ CENTRAL OFFICE:	Envilab Sdn Bhd 38 B, Jalan Pingai Taman Pelangi 80400 Johor Bahru, Johor , 80400, JOHOR MALAYSIA
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF TESTING:	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).

CENTRAL LOCATION:	Envilab Sdn Bhd 38 B, Jalan Pingai Taman Pelangi 80400 Johor Bahru, Johor , 80400, Johor
FIELD(S) OF TESTING :	CHEMICAL,

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Water Water wastewater industrial Effluents	COD Total Suspended Solids Total Solids Sulphide Sulphate Chloride Chlorine	APHA 5220 C APHA 2540 D APHA 2540 B APHA 4500 - S* F APHA 4500 - SO4? E APHA 4500 - Cl B APHA 4500 - CIB
	BOD at 20?C for 5 days	APHA 5210 B APHA 4500 -O G
	Color, ADMI pH value	APHA 2120 F APHA 4500 - H* B
Water (continued) Water Wastewater Industrial Effluents	Total Kjeldahl Nitrogen	APHA 4500 - Norg B APHA 4500 - NH3 C
	Ammoniacal Nitrogen	APHA 4500 - NH3 C APHA 4500 - NH3 B

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	Cyanide Boron Phenol	In-house Method based on APHA 4500 - C & E and Merck method 14429 APHA 4500 - B B APHA 5530 B & D
	Chromium Trivalent as	In-house Method III based on APHA 3500 - CrB APHA 3111 B
	Selenium, Se Fluoride, F Formaldehyde Phosphorus/ Phosphate Chromium Hexavalent as	APHA 3114 B APHA 4500 - F- D In-house method V based on Macherey Nagel Nanocolor Formaldehyde 8 APHA 4500 P C APHA 3500 - Cr B
	Barium, Ba Aluminium, Al	APHA 3111 D
	Tin as Sn Oil and Grease Mercury as Hg Arsenic as As	In-house method II based on APHA 3114 B & Perkin Elmer MHS - 10 Hydride System APHA 5520 B APHA 3112 B APHA 3114 B
	Cadmium as Cd Chromium Lead as Pb Copper as Cu Manganese as Mn Nickel as Ni Zinc as Zn Iron as Fe Silver, Ag Tin as Sn	APHA 3111 B
Water Water Wastewater industrial Effluent Drinking Water Ground Water Marine Water River Water cooling Tower boiler Water	Sodium as Na Potassium as K Magnesium as Mg Calcium Ca	APHA 3111 B
	Temperature (in-situ) Total Dissolved Solids Nitrate Volatile Fatty Acid Alkalinity Turbidity Conductivity Salinity Dissolved Oxygen Mixed Liquor Volatile Suspended Solids (MLVSS) Mixed Liquor Suspended Solids (MLSS) Total Hardness	APHA 2550 B APHA 2540 C In-house Method VI based on Machery Nagel Nanocolor Nitrate 8 APHA 5560 C APHA 2320 B APHA 2130 B APHA 2510 B APHA 2520 B APHA 4500-0 G APHA 2540 D & E APHA 2540 D APHA 2340 B
Water	pH Value, In-situ	APHA 4500- H+ B
Wastewater Industrial Effluent drinking Water Ground Water marine Water River Water cooling Tower Boiler Water Sewage	Total Chlorine, Free Chlorine, Residual Chlorine, In-situ	In-house method 7 based on Macherey Nagel visocolor ECO Chlorine 2
	Silica	In-house method 8 based on Macherey Nagel visocolor ECO Silica and APHA 4500 SiO2 A
	Nitrate Nitrogen	APHA 4500 B
	Silica	In-house method 8 based on Macherey Nagel visocolor ECO Silica and APHA 4500 A
Environmental Monitoring chimney Stack Dusting Emissions	Sample and Velocity Traverses for Stationary Sources	USEPA Method 1
	Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)	USEPA Method 2

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources (Instrumental Analyzer Procedure)	USEPA Method 3A
	Determination of Moisture Content in Stack Gases	USEPA Method 4
	Determination of Particulate Matter Emissions from Stationary Sources	USEPA Method 5
	Determination of Sulfur Dioxide Emissions from Stationary Sources (Instrumental Analyzer Procedure)	USEPA Method 6C (2006)
	Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)	USEPA Method 7E (2006)
	Determination of Concentration and Mass Flow of Particulate Matter in Flue Gas for Stationary Source Emissions	MS 1596:2003
	Determination of Dark Smoke Emissions from Chimney using Ringelmann Smoke Chart	US Bureau of Mines, IC8333, 1967
Environmental Monitoring (continued) Chimney Stack Dusting Emissions	Determination of Sulfuric Acid and Sulfur Dioxide Emissions -“ Isokinetic Method	USEPA Method 8
	Sampling of Polychlorinated Digenzo-P-dioxins and Polychlorinated Dibenzofurans Emissions- Isokinetic Method	USEPA Method 23
	Sampling of Hydrochloric Acid, Hydrofluoric Acid an Chlorine Emissions -“ Isokinetic Method	USEPA Method 26A
	Determination of Metal Emissions -“ Isokinetic Method Arsenic (As) Cadmium (Cd) Chromium (Cr) Copper (Cu) Lead (Pb) Manganese (Mn) Mercury (Hg) Nickel (Ni) Zinc (Zn)	USEPA Method 29
	Sampling of Metal Emission -“ Isokinetic Method Antimony (Sb) Cobalt (Co) Thallium (Tl) Vanadium (V)	USEPA Method 29

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Arsenic (As) Cadmium (Cd) Chromium (Cr) Copper (Cu) Lead (Pb) Manganese (Mn) Mercury (Hg) Nickel (Ni) Zinc (Zn)	None
	Determination of Carbon Monoxide Emission (Instrumental Analyzer Procedure)	USEPA Method 10
Environmental Monitoring Ambient Air	Determination of Suspended Particulate Matter - Total Suspended Particulate Matter - High Volume Sampler Gravimetric Method	AS/NZS 3580.9.3:2003 (Supersedes AS 2724.3 - 1984)
	Determination of Suspended Particulate Matter - PM10	AS/NZS 3580.9.6:2003 High Volume Sampler with Size Selective Inlet
	Determination of Nitrogen Dioxide in ambient air	ISC Method 408
	Determination of Sulfur Dioxide in ambient air	ISC Method 704
	Determination of Particulate Lead	As 2800-1985 High Volume Sampler Gravimetric Collection-Flame Atomic Absorption Spectrometric Method
	Determination of suspended particulate matter- PM10 low volume sampler- Gravimetric method	AS/NZS 3580.9.9:2006
	Determination of suspended particulate matter- PM2.5 low volume sampler- Gravimetric method	AS/NZS 3580.9.10:2006
	Determination of suspended particulate matter- PM2.5 high volume sampler with size selective inlet- Gravimetric method	AS/NZS 3580.9.14:2013
	Determination of Carbon Monoxide in Air	NMAM 6604
	in ambient air	None
	Determination of Ozone in Air	P & CAM 154
Environmental Monitoring Environmental Noise	Acoustics - Description, Measurement and Assessment of Environmental Noise - Part 1: Basic Quantities and Assessment Procedures	ISO 1996 - 1 (2nd Edition)
	Acoustics - Description and Measurement of Environmental Noise - Part 2: Acquisition of Data Pertinent to Land Use	ISO 1996 - 2 (1st Edition, Amendment 1)

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	Acoustics - Description and Measurement of Environmental Noise - Part 3: Application to Noise Limits	ISO 1996 - 3 (1st Edition)
Environmental Monitoring rubber effluents palm Oil Mill Effluents	Ammoniacal Nitrogen Total Nitrogen Oil and Grease	DOE (M) Reference Method
	BOD at 30?C for 3 days COD Suspended Solids	DOE (M) Alternative Method
	pH value Total Solids	APHA 4500 - H* B APHA 2540 B