


**NO: SAMM 781**(Issue 1, 22 August 2024 replacement  
of SAMM 781 dated 22 August 2024)

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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	Jabatan Kimia Malaysia Negeri Kelantan Lot 2436, Jalan Kampung Telok, Panji 16100 Kota Bharu, Kelantan , 16100, KELANTAN MALAYSIA
	
<b>ACCREDITED SINCE :</b>	24 FEBRUARY 2025
<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>	Jabatan Kimia Malaysia Negeri Kelantan Lot 2436, Jalan Kampung Telok, Panji 16100 Kota Bharu, Kelantan , 16100, Kelantan
<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>Environmental Monitoring</b> Raw Water Industrial Effluent	Biochemical Oxygen Demand (BOD5)	APHA 5210 B, 4500-O G
<b>Environmental Monitoring</b> Raw Water	Chemical Oxygen Demand (COD)	HACH METHOD 8000
<b>Environmental Monitoring</b> Effluent (palm Oil Mill And Rubber Factory)	Biochemical Oxygen Demand (BOD3)	DOE Reference Method 4 <sup>th</sup> Edition
	Chemical Oxygen Demand (COD)	DOE Reference Method 4 <sup>th</sup> Edition
	Total Suspended Solids (TSS) Except Raw POME	DOE Reference Method 4 <sup>th</sup> Edition
<b>Environmental Monitoring</b>	Total Suspended Solids	APHA 2540 D

## Schedule

Issue date: 22 August 2024  
Valid Until: 23 August 2025



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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Sewage And Industrial Effluent	Chemical Oxygen Demand	APHA 5220 B
	Nitrogen (Ammonia)	APHA 4500-NH3 B. Preliminary Distillation Step. C Titrimetric Method
Environmental Monitoring Industrial Effluent	Heavy Metal (Cu, Cd, Fe, Pb)	APHA 3111 B
Environmental Monitoring Effluent (palm Oil Mill And Rubber Factory)	Total Kjeldahl Nitrogen	DOE Reference Method 4 <sup>th</sup> Edition
	Ammoniacal Nitrogen	DOE Reference Method 4 <sup>th</sup> Edition
Leather Leather And Bristles-based Products	Identification of Pig Skin in Leather Products and Pig Bristles in Brushes	JKM I 02/2-18 Harmonised In-house Test Method
Petroleum & Petroleum Products Fuel Products (petrol, Kerosene And Diesel)	Qualitative Determination of Petrol, Kerosene and Diesel	JKM I 01/13 (In-house Test Method)/ GC-FID

### SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Microbiological Environmental Sample Treated Water	Detection and Identification of Coliform and Escherichia coli in Water	JKM M2032, Membrane Filtration Test Method
Microbiological Environmental Sample Raw Water	Coliform and Escherichia coli	JKM M2040, (MPN); APHA Standard Methods for The Examination of Water and Wastewater 23 <sup>rd</sup> Edition (APHA 9221 A, B, C, F and 9223 A, B)

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