

NO: SAMM 506

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LABORATORY LOCATION/ CENTRAL OFFICE:	CENTRAL LABORATORY, UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA) AL-SULTAN ABDULLAH LEBUHRAYA PERSIARAN TUN KHALIL YAAKOB , 26300, PAHANG MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	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).

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FIELD(S) OF TESTING :	CHEMICAL, MICROBIOLOGICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Environmental Monitoring Industrial Effluent	Determination of pH	APHA 21° edition 2005
Ground Water	Determination of Total	APHA 2540D, edition 2005
	None	None
	None	None
	None	None
	Total Suspended Solids (TSS)	APHA 2540 D
	Free Chlorine	HACH 8021, 9 Edition (2014)
	Mercury (Hg)	In-House Method TM/WEP/012 based on Agilent Application Note
	Polynuclear Aromatic	USEPA 3510C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Pseudomonas aeruginosa	APHA 9213 F
	None	None
	None	None
	None	None
	Tin	3120 B
	Magnesium	3120 B
	None	None
	Bacterial Endotoxins	BP 2018, Vol. XIV C, Method C:
	None	None
	pH	APHA 4500-H+ B
	None	None
	None	None
	Temperature	APHA - 2550B
	Fluoride as F	APHA - 4500F-B&D
	Cadmium as Cd	APHA - 3030 E & F (HNO ₃ or HNO ₂ -
	Barium as Ba	None
	Sodium as Na	None
	Nitrite as NO ₂	None
	Bromoform	None
	Dimethoate	None
	Gamma-lindane	None
	Acenaphthylene	None
	n-Dotriacontane	None
	(Refer Appendix II)	None
	Total Coliform	APHA - 9221B; 2017 (MPN Method)
	None	and APHA 3500 Cr B, Edition
	Acidity	APHA 2310 B, 2017
	None	None
	None	None
	None	None
	Bromate	S-170 & APHA 4110 B
	None	None
	Color (color units)	APHA 2120 C 2017
	Oil and Grease (Mineral)	APHA 5520 F, 2017
	Metals by Inductively Coupled Plasma	APHA 3120 B
	None	None
	Faecal Coliform	APHA 9222 D
	Lead	None
	None	None
	Endosulfan Hexachlorobenzene	None
	Cobalt	APHA 3120 B, Edition
	(Refer to Appendix 8 for the list of compounds)	Method 8260C: 2006
	BODs at 20°C	APHA 5210 B & G
	None	(Membrane Filtration Method)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
Water Surface Water	Determination of pH	APHA 4500H'B, edition 2005
	Turbidity	APHA 2130 B

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Cosmetics And Essential Oils Toiletries And Cosmetic	Total Aerobic Mircobial Count (TAMC) (Pour Plate Method)	BP 2009 Harmonised Method Appendix XVI B
	Total Yeast and Mould Count (TYMC) (Pour Plate Method)	BP 2009 Harmonised Method Appendix XVI B
	Detection and Estimation of Bile Tolerant Gram Negative Bacteria	BP 2009 Harmonised Method Appendix XVI B
	Detection of Escherichia Coli	BP 2009 Harmonised Method Appendix XVI B
	Detection of Staphylococcus Aureus	BP 2009 Harmonised Method Appendix XVI B
	Detection of Salmonella Sp	BP 2009 Harmonised Method Appendix XVI B
	Detection of Pseudomonas Aeruginosa	BP 2009 Harmonised Method Appendix XVI B
Drugs And Pharmaceutical	None	None
Sewage	Determination of Total	APHA 2540D, edition 2005
	None	None
	Dissolved Oxygen	APHA 4500-0 G
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
Supplements	Total Yeast and Mould Count	None
	None	None
	a) Mercury	Absorption Spectrophotometer
	None	None
	None	None
	None	None
	None	None
	None	None
Traditional Medicines, Health	Escherichia coli Count (TAMC) (Pour Plate Method)	Coliform Count Plate)
		Appendix XVI B

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