Issue date: 30 May 2025
Valid Until: -

NO: SAMM 131

LABORATORY LOCATION/ CENTRAL OFFICE:	Jabatan Kimia Malaysia Negeri Johor Jalan Abdul Samad 80100 Johor Bahru, Johor , 80100, JOHOR MALAYSIA
ACCREDITED SINCE :	30 MAY 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGICAL BIOLOGICAL
SITE:	
1 . SITE LABORATORY(HQ) :	CATEGORY I
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:	Jabatan Kimia Malaysia Negeri Johor Jalan Abdul Samad 80100 Johor Bahru, Johor , 80100, Johor
FIELD(S) OF TESTING :	CHEMICAL, MICROBIOLOGICAL, BIOLOGICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Palm Oil & Palm Oil Products And Other Vegetable Oils	Colour (Lovibond)	MPOB p4.1:2004
	Iodine Value (Wijs Method)	MPOB p3.2:2004
	Acidity/Free Fatty Acid	MPOB p2.5:2004
	Slip Melting Point	MPOB p4.2:2004
	Moisture & Volatile Matter (Drying Oven Method)	MPOB p2.1 Part 1:2004

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Impurities	MPOB p2.2:2004
Crude Palm Oil	Bleachability Index (DOBI	MPOB p2.9:2004
Palm Kernels Products	Oil Contents	MPOB k1.3:2004
Oils And Fats Palm Kernels	Moisture and Volatile Matter	MPOB k1.2:2004
Palm Kernels	Shell and Dirt Contents	MPOB k1.1:2004
Palm Kernel Cake	Shell	MPOB k2.3:2004
Alcohol Beverages	Ethanol	JKM K 0183 (Gas Chromatography)
Denatured Alcohol	% v/v Methyl Alcohol	JKM K 0107 (Gas Chromatography)
Palm Oil And Its Products And Other Vegetable Oils	Iodine Value (IV) and Free Fatty Acid (FFA)	JKM K 0219 (Near Infra-Red System (NIRS))
Petroleum And Petroleum Products	Flash Point	In house method, JKM I 01/1 base on ASTM D3828-02 Method B
Cigarettes	Qualitative Analysis of Cigarettes 1. Microscopic Examination of Tobacco Leaves & Cloves 2. Determination of Nicotine, Eugenol and Menthol in Cigarettes	In house method JKM I03/42 - Analysis of Cigarettes (microscopic and chemical – GC-MS)

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Microbiological Environmental Sample - Water	Standard Total Coliform Membrane Filter	JKM M 2032 based on APHA 9222 B
	Coliform and E.coli - Most Probable Number (MPN	JKM M 2033 based on APHA 9221 B & 9221 F
	Detection and Enumeration of Coliform Organism, thermotolerant Coliform Organisms and Presumptive Escherichia coli	JKM M 2034 based on ISO 9308-1-2000
	Enumeration of Clostridium perfingens by Membrane Filtration	JKM M 2035 based on Health Protection Agency Wales Protection Agency Standard Method, 2005
	Detection and Enumeration of Intestinal Enterococc	JKM M 2036 based on ISO 7899-2:2000 (E)
	Enumeration of Culturable Micro-organism – Colony Count by Inoculation in a Nutrient Agar Culture Medium	JKM M 2038 based on ISO 6222:1999 (E)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Coliform and E.coli – Most Probable Number (MPN	Coliform and E.coli – Most Probable Number (MPN
Microbiological Tests On Food -" Cereal Products, Dairy Products, Edible Fats And Oil, Margarine, Fruit, Jams And Other Fruit Products, Others	Yeast and Mould Count (Pour Plate Technique)	JKM M 3020 based on AS1766, 1997
	Horizontal Method for Detection of Salmonella spp	JKM M 3101, based on ISO 6579: 2002 (E)
	Howard Mould Counting	JKM M 3021 based on AOAC 18th Edition, 2006
	Aerobic Plate Count	JKM M 3010 based on Aerobic plate count : FDA Bacteriological Analytical Manual Online 2001, Chapter 3
	Coliform and Escherichia coli - Petrifilm	JKM M 3053 based on AOAC,17th Edition, 2000
	Staphylococcus aureus Count Petrifilm Staph Express Count (STX) Plates	JKM M 3073 based on AOAC 18th Edition, 2007

SCOPE OF TESTING : BIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food Products	Identification of Rodent Faecal Pellets in Food Determination of Origin of Insect Infestation in Packaged Food by Examination of Insect Bore Holes	JKM B 6101 based on FDA Technical Bulletin 1 (Chapter 3 & 9), 1995 JKM B 6201 based on i : FDA Technical Bulletin 1,1995 ii: AOAC 14th Edition
	Determination of Contamination Caused by Insect in Powdered Food Sample	JKM B 6401 based on i : FDA Technical Bulletin 1, 1995 ii: An Introduction to the Study of Insects, 5th Edition
	Determination of Contamination Caused by Extraneous Materials In Liquid Food Sample	JKM B 0401 based on i. Principles of Food Analysis for Filth, Decomposition, & Foreign Matter, FDA. ii. Chapter 16. Extraneous Materials: Isolation, FDA

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of Contamination Caused by Extraneous Materials in Grains and Their Products – Food Samples	JKM B0405 based on: i. Official Methods of Analysis, Association of Official Analytical Chemists (AOAC) 8 th Edition, 2005. ii. Food & Drug Administration (FDA) Technical Bulletin Number 5, Macroanalytical Procedures Manual
Fresh And Marine Water	Identification and Quantitation of Plankton in Fresh Water and Marine Water	JKM B 6301 based on APHA, 23 rd Edition

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SITE LOCATION (HQ)	1. CATEGORY I
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**
Shipping Vessel	Determination of Gas Free Condition (Lower explosive limit (LEL), Carbon monoxide (CO), Hydrogen Sulphide (H2S), and Oxygen (O2))	JKM I 03/45 (Multigas Detector)

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