Issue date: 24 February 2025 Valid Until: 24 February 2030



NO: SAMM 171

Page: 1 of 4

LABORATORY LOCATION/ CENTRAL OFFICE:	BIO SYNERGY LABORATORIES SDN. BHD. (SABAH) LOT 1-0-1 & A-1-1, GROUND FLOOR & 1ST FLOOR, MARTIN SHOPLOT, BLOCK A, INANAM SQUARE 888, INANAM TOWNSHIP , 88450, SABAH MALAYSIA
ACCREDITED SINCE :	24 FEBRUARY 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGICAL
	NUCLEIC ACID

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:	BIO SYNERGY LABORATORIES SDN. BHD. (SABAH) LOT 1-0-1 & A-1-1, GROUND FLOOR & 1ST FLOOR, MARTIN SHOPLOT, BLOCK A, INANAM SQUARE 888, INANAM TOWNSHIP , 88450, Sabah
FIELD(S) OF TESTING:	CHEMICAL, MICROBIOLOGICAL, NUCLEIC ACID

SCOPE OF TESTING: CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Foods Juice	Moisture	In-house method ECF-01, based on MS ISO 6496 : 2003
Sauces, Herbs, Spices, Condiments	Protein / Nitrogen	In-House Method ECF-02, Based on AOAC 2001.11, ISO 1871:2009
Non Alcoholic Beverages Flour And Confectionery	Ash	In-house method ECF-03 based on AOAC 942.05
Meat, Poultry & Derived Products Cocoa And Cocoa Product Frozen Food	Crude Fat	In-House method based ECF-05 on MS 1416: 1997

Schedule

Issue date: 24 February 2025 Valid Until: 24 February 2030



NO: SAMM 171

Page: 2 of 4

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Fat	In-house method ECF-06 based on Pearson's Chemical Analysis of food, 8 th Edition, 1990
	Total Carbohydrate	Method of analysis for nutrition labeling, Chapter 1 1993
	Energy Content as Calories	Method of analysis for nutrition labeling, Chapter 1, 1993
	Total Sugar (As inverted Sugar)	In-house method ECF-09 based on AOAC 968.28
Feed	Moisture	MS ISO 6496: 2003
	Protein / Nitrogen	AOAC 2001.11, ISO 1871: 2009
	Ash	AOAC 942.05
	Crude Fat	MS 1416: 1997
	Total Fat	In-House Method ECF-14, based
		On Pearson's Chemical Analysis of Food, 8th Ed, 1990
	Total Carbohydrate	In-House Method ECF-15, based on Method of analysis for nutrition labelling, Chapter 1, 1993
	Energy Content as Calories	In-House Method ECF-16, based on Method of analysis for nutrition labeling, Chapter 1, 1993
Environmental Monitoring &	рН	APHA 4500-H+ B
Water	COD	APHA 5220 C
Drinking Water	BOD5 at 20 °C	APHA 5210 B, 4500-O G
Portable Water	Dissolved Oxygen	APHA 4500-O G
Surface Water	Total Suspended Solids	APHA 2540 D
Raw Water	Oil & Grease	APHA 5520 B
Sea Water		
Ground Water		
Sewage Water		
Industrial Effluent / Waste Water		

SCOPE OF TESTING: MICROBIOLOGICAL

Schedule

Issue date: 24 February 2025 Valid Until: 24 February 2030



NO: SAMM 171

Page: 3 of 4

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food And Feed Products:	Aerobic Plate Counts	AOAC Official Method 990.12 (3M
Coffee	Yeast and Mould Counts	Petrifilm)
tea	E. coli I Coliform Count	,
Cereal Food	Staphylococcus aureus counts	AOAC Official Method 2014.05
frozen Food	Salmonella detection	(3M Petrifilm)
Seafood		,
Sauces		AOAC Official Method 998.08 &
fruit Drink & Juice		991.14 (3M Petrifilm)
Flour & Confectionery		,
Dairy Products		
Edible Oils, Fats And Their		FDA-BAM Chapter 12
Products		
Egg And Egg Products		
Fruits And Vegetables		FDA-BAM Chapter 5
Nuts And Nut Products		'
ready To Eat Savouries		
Meat And Poultry Products		
Fish And Fish Products		
Herbs And Spices		
Animal Feed		
Environmental Testing	Total Plate Count	Compendium of Methods for the
Enumeration Of Microbial Count In	Yeast	Microbiological Examination of
The Air Using An Open Plate	Mould	Foods, Chapter 3, 4th Edition
(settle Plate Method)		(2001)
,	Aerobic Plate Count	,
enumeration/detection Of	Yeast	
Microbial Count On Surface Area,	Mould	
Equipment And Hand Using Swab	Staphylococcus aureus	
Contact Method	Coliform	
	E. Coli	
	Salmonella	
Water	Heterotrophic Plate Count (Pour	APHA 9215 B
Potable And Domestic Water	Plate Method)	
Industrial Water	Heterotrophic Plate Count	APHA 9215 D
Distilled Demineralized Water	(Membrane Filtration)	
Reverse Osmosis Water	Total Coliform (Membrane	APHA 9222 B
Ultrapure Water	filtration)	
Swimming Pool Water	Total Coliform (MPN)	APHA 9221 B
Cooling Tower Water	Fecal Coliform (Membrane	APHA 9222 D
Boiler Water	filtration)	
Surface Water	Fecal Coliform (MPN)	APHA 9221 E
Mineral Water	Escherichia coli (Membrane	APHA 9222 G
Industrial Effluent	filtration)	
Treated Water	Escherichia coli (MPN)	APHA 9221 F

Scan this QR Code or visit https://accreditation.jsm.gov.my/public/listing/cab/samm-ct/3002353 for the current scope of accreditation

SCOPE OF TESTING: NUCLEIC ACID

Schedule

Issue date: 24 February 2025 Valid Until: 24 February 2030



NO: SAMM 171

Page: 4 of 4

Material / Product Tested	Type Of Test / Properties	Standard Test Methods /
	Measured / Range Of	Equipment / Techniques
	Measurement	
Shrimp	White Spot Syndrome Virus (WSSV)	In-house Method ENA-007, using Real-Time PCR
	Yellow Head Virus (YHV)	In-house Method ENA-008, using Real-Time PCR
	Taura Syndrome Virus (TSV)	In-house Method ENA-001, using Real-time PCR
	Infectious Myonecrosis Virus (IMNV)	In-house Method ENA-002, using Real-time PCR
	Infectious Hypodermal and Haematopoietic Necrosis Virus (IHHNV)	In-house Method ENA-003, using Real-time PCR
	Acute Hepatopancreatic Necrosis Disease (AHPND)/Early Mortality Syndrome (EMS)	In-house Method ENA-004, using Real-time PCR
	Decapod Iridescent Virus I (DIV1)/ Shrimp Haemocyte Iridescent Virus (SHIV)	In-house Method ENA-005, using Real-time PCR
	Necrotising Hepatopancreatitis (NHP)	In-house Method ENA-006, using Real-time PCR