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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 Sauces, Herbs, Spices, Condiments Non Alcoholic Beverages Flour And Confectionery Meat, Poultry & Derived Products Cocoa And Cocoa Product Frozen Food	Moisture	In-house method ECF-01, based on MS ISO 6496 : 2003
	Protein / Nitrogen	In-House Method ECF-02, Based on AOAC 2001.11, ISO 1871:2009
	Ash	In-house method ECF-03 based on AOAC 942.05
	Crude Fat	In-House method based ECF-05 on MS 1416: 1997

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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 & Water Drinking Water Portable Water Surface Water Raw Water Sea Water Ground Water Sewage Water Industrial Effluent / Waste Water	pH	APHA 4500-H+ B
	COD	APHA 5220 C
	BOD5 at 20 °C	APHA 5210 B, 4500-O G
	Dissolved Oxygen	APHA 4500-O G
	Total Suspended Solids	APHA 2540 D
	Oil & Grease	APHA 5520 B

SCOPE OF TESTING : MICROBIOLOGICAL

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

SCOPE OF TESTING : NUCLEIC ACID

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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

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