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LABORATORY LOCATION/ CENTRAL OFFICE:	Makmal Keselamatan dan Kualiti Makanan Sandakan Batu 7, Jalan Lapangan Terbang 90500 Sandakan, Sabah , 90500, SABAH MALAYSIA
	
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGY

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:	Makmal Keselamatan dan Kualiti Makanan Sandakan Batu 7, Jalan Lapangan Terbang 90500 Sandakan, Sabah , 90500, Sabah
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
Cheese	Benzoic acid and sorbic acid	E03-002 The Determination of Benzoic Acid and Sorbic Acid in
	Benzoic acid and sorbic acid	Food using Liquid Chromatography
Drinking Water, Mineral	aerobes: -	Method No: MOH
Food And Raw Water,	Vibrio cholerae and Vibrio	enteropathogenic Vibrio spp.- Part
Food And Raw Water, Treated/ Potable Water	Salmonella spp.	method for the detection Salmonella spp.
	Salmonella spp.	Method No: MOH K03-108 (1)
	Escherichia coli	ISO 7251:2005 (E) Method No: MOH (1)
	Coliform	ISO 4831:2006 (E) Method No: MOH KO03-121 (1)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food And Water	Coliform	ISO 21567:2004(E) Horizontal
	Shigella spp.	Method for Detection of Shigella
	Shigella spp.	Method No: MOH K03-119
	Shigella spp.	ISO 9308-1:2000(E) Water quality -"
	Shigella spp.	Detection and enumeration of
Food, Pasta, Fish & Fish	Boric Acid	E03-001: Qualitative Test of Boric
Milk Products	Presumptive Bifidobacteria	Enumeration of Presumptive Bifidobacteria colony count =
	Presumptive Bifidobacteria	technique at 37°C
	Presumptive Bifidobacteria	Method No: MOH K03-133
Pasta / Juices / Fruit	Sulphur Dioxide	E03 -" 007, Based on Pearson-TMs The Chemical Analysis of Foods
	Sulphur Dioxide	Edition) 1970 Page 30-31
Pasteurized Milk	Sulphur Dioxide	In- House Method, Ref. No. MOH
	Sulphur Dioxide	J03-026, Based on Chemistry and
	Reductase Test	Testing of Dairy Products Mixing /
	Reductase Test	Incubation / Examination of
	Reductase Test	Decolourization
Perishable Samples Ready	Enumeration of Mesophilic	i. Method No: MOH
Products, Vegetable Protein	Boric Acid	Acid and Borates in Food
	Boric Acid	In-House Method, Ref. No. MOH
Sauce, Margarine, Butter And Belacan	Sodium Chloride	In-House Method, Ref. No. MOH J03-017, Based on Analytical Chim. Acta 23 (1960) 136 - 144
	Sodium Chloride	In-House Method, Ref. No. MOH
To Eat Food, Frozen Fish,	aerobes: -	AS 1766.2.1 -" 1991 of
Treated/ Potable Water	parahaemolyticus	1: Detection of Vibrio
	parahaemolyticus	parahaemolyticus and Vibrio
	parahaemolyticus	cholerae
	parahaemolyticus	Method No: MOH KO03-111 (1)
	parahaemolyticus	ISO 6579:2002(E) -" Horizontal
Water	Escherichia coli and Coliform	Escherichia coli and Coliform Bacteria. Part 1: Membrane filtration
	Escherichia coli and Coliform	method
	Escherichia coli and Coliform	Method No: MOH (1)
	Escherichia coli and Coliform	ISO 29981 : 2010 (E), IDF 220 :
	Escherichia coli and Coliform	2010 (E) Milk Products -
	None	None
	None	None
	None	None
Water, Raw Water, Treated /	1 Standard Plate Count	AS 1766.2.1 -" 1991 of

SCOPE OF TESTING : MICROBIOLOGY

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food	None	Microbiology of food and animal
	None	feeding stuffs- Horizontal method for
	Listeria monocytogenes	the detection and enumeration of
	Listeria monocytogenes	Listeria monocytogenes- Part 1:
	Listeria monocytogenes	Detection Method
	Listeria monocytogenes	Method No: MOH
	Listeria monocytogenes	AOAC Official Method 991.14 3M-,ç
	Escherichia coli / Coliform	Petrifilm-,ç E.coli / coliform count Plates
	Escherichia coli / Coliform	Method No: MOH K03-203
	Escherichia coli / Coliform	AOAC Official Method 990.12 3M-,ç
	Aerobic Count Plates	Petrifilm-,ç Aerobic Count Plates
	Aerobic Count Plates	Method No: MOH
	Aerobic Count Plates	AOAC Official Method 2003.07
	Staphylococcus aureus	2003.08, 2003.11 3M-,ç Staph Express Count Plate
	Staphylococcus aureus	Method No: MOH K03-205
	Staphylococcus aureus	AS/NZS 1766.2.9:1997 Examination
	Staphylococcus aureus	for specific organisms- Vibrio
	Vibrio parahaemolyticus	parahaemolyticus of Australian
	Vibrio parahaemolyticus	Standard
	Vibrio parahaemolyticus	Method No: MOH K03-310
	Vibrio parahaemolyticus	ISO 7932, Third Edition 2004-06-16
	Vibrio parahaemolyticus	Microbiology of food and animal
	Vibrio parahaemolyticus	feeding stuffs -" Horizontal method
	Bacillus cereus	for the enumeration of presumptive
	Bacillus cereus	Bacillus cereus -" Colony- count
	Bacillus cereus	technique at 30°C
	Bacillus cereus	Method No: MOH (1)
	Bacillus cereus	ISO/TS 22964:2006 (E)
	Enterobacter sakazakii	IDF/RM 210:2006 (E) -" Detection of Enterobacter sakazakii
	Enterobacter sakazakii	Method No: MOH K03-115
	Enterobacter sakazakii	ISO 16654:2001 (E) -" Horizontal
	E. coli 0157	method for the detection of Escherichia coli 0157
	E. coli 0157	Method No: MOH
	Coagulase positive	ISO 6888-1:1999/Amd.1:2003 (E)
	staphylococci	Method No: MOH K03-105 (1)
	Vibrio Species other than cholerae	other than Vibrio parahaemolyticus

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Vibrio Species other than cholerae	and Vibrio cholera
	Vibrio Species other than cholerae	Method No: MOH KO03-111 (2)
	Vibrio Species other than cholerae	ISO 10272 -" 1: 2006 (E) Horizontal
	Vibrio Species other than cholerae	Method for Detection and
	Camphylobacter spp	Enumeration of Camphylobacter spp. -" Part 1: Detection Method
	Camphylobacter spp	Method No: MOH (1)
	Camphylobacter spp	ISO 11290-2: 1998 / Amd. 1:2004 (E)
	Camphylobacter spp	Horizontal Method for Detection and
	Camphylobacter spp	Enumeration of Listeria
	Listeria monocytogenes	Monocytogenes Part 2 = Enumeration Method, Amendment 1 :
	Listeria monocytogenes	Modification of enumeration Medium
	Listeria monocytogenes	Method No: MOH (1)
	Boric Acid	E03-003 The Determination of
	Water soluble synthetic food	Water Soluble Synthetic Food
	colour (see Appendix I)	Colour in Food by Paper
	colour (see Appendix I)	Chromatography and UV/ V15
	colour (see Appendix I)	spectrophotometer
	colour (see Appendix I)	In -" House Method, Ref. No. MOH
	Total Plate Count (TPC)	FDA Food and Drug =
	Determination of Boric acid in Food	FQL-TM-FA205 In-House Method
	by UV-Vis Spectrophotometer	based International Food on
	by UV-Vis Spectrophotometer	Research Journal 17: 1107-1112
	by UV-Vis Spectrophotometer	(2010)
	Total Plate Count in Food by	AOAC Official Method 990.12
	using 3M Petrifilm Aerobic Count	None
	Plate	None
	Enumeration of Escherichia Coli	AOAC Official Method 991.14
	in Food by using 3M Petrifilm	None
	Escherichia Coli/Coliform Count	None
	Plates	None
	Enumeration of Coliform in Food	AOAC Official Method 991.14
	by using 3M Petrifilm Escherichia	None
	Coli/Coliform Count Plates	None
	Enumeration of Staphylococcus	AOAC Official Method 2003.07
	Aureus in Food by using 3M	None
	Petrifilm Staph Express Count	None
	Plates	None
	Detection of Bacillus Cereus in	Compact Dry -œNissui-• Bacillus
	Food	Cereus
	Detection of Salmonella in Food	Bacteriological Analytical Manual,

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	Detection of Salmonella in Food	Chapter 5, Salmonella
	Detection of Salmonella in Food by using 3M Petrifilm Salmonella Express System	AOAC Official Method of Analysis 2014.1
	Salmonella spp.	None
	Analysis of Organophosphorus Method: AOAC 2007.01	ISO 6579-1:2017
	Analysis of Organophosphorus	Analysis of Organophosphorus
	Total Plate Count (TPC)	FDA Food and Drug =
	Aerobic Plate Count	AOAC Official Method 990.12 Aerobic
	Bacillus cereus	ISO 7932:2004 (E) Microbiology of Food
	Yeast and Mold	AOAC Official Method 2014.05
	Enumeration of	MOH Based on AOAC
	Enumeration of Mesophilic	MOH MMEF Part 4 Section
	Campylobacter spp	MOH (1): ISO 10272-
	Gram Negative Pathogens	In-house Method, Ref. No. MOH RO3-
	Boric Acid	In-house Method, Ref. No. MOH
	Water Soluble Colours	In-house Method, Ref. No. MOH
	Moisture	In-house Method Ref. No. MOH J03-
	Ash	MOH Determination Of Ash
	1) Antimoni	MOH The Determination of
	Water Activity	In-House Method MOH J03-049:
	Soluble Solid	In-House Method MOH J03-018:
	Mercury	In-House Method MOH H03-015:
	Acrylamide	In-House Method MOH NO3-015:
Meat Product And Milk Product	1. Standard Plate Count Method	Australian Standard
	2. Surface Spread Plate	ii. Section 1 part 4 of MMEF
	Method	Method No: MOH
	Enumeration of Coliform and E.coli- MPN Method	Method No: MOH K03-303 (1) AS 1766.2.3 -" 1992 of Australian Standard
Potable Water.	Enumeration of Mesophilic	None
	2. Surface Spread Plate	Australian Standard
	Method	None
	Enumeration of Coliform Escherichia coli-" MPN Method	Method No: MOH K03-303 (2) AS 1766.2.3 -" 1992 of Australian Standard

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