


NO: SAMM 647

Page: 1 of 11

LABORATORY LOCATION/ CENTRAL OFFICE:	MARDILab, Technology Commercialization and Business Centre, MARDI Kota Kinabalu Technology Commercialization and Business Centre, MARDI Kota Kinabalu, No. 1 (Lot 2), Malawa Zone, Jln. 3, KKIP Selatan 2, 88460 Kota Kinabalu, Sabah. , 88460, SABAH MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 2025
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:	MARDILab, Technology Commercialization and Business Centre, MARDI Kota Kinabalu Technology Commercialization and Business Centre, MARDI Kota Kinabalu, No. 1 (Lot 2), Malawa Zone, Jln. 3, KKIP Selatan 2, 88460 Kota Kinabalu, Sabah. , 88460, Sabah
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
And Condiments	None	27.6.07 32.1.20 and 42.1.04)
	None	Based on Shimadzu Application
	None	None
	None	None
	None	Based on AOAC? 960.29 and
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 2 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	In-house method, WI-TEC-M002,
	Escherichia coli	AOAC Edition 2012
	Staphylococcus aureus	AOAC 2003.07/2003.08/2003.11, 19 th Edition 2012
	Enterobacteriaceae Count	AOAC 2003.01, 19 th Edition 2012
	Salmonella	AOAC 2014.01
	Yeast & Mould	AOAC 2014.05
	Yeast & Mould	Food and Drug Administration, Bacteriological Analytical Manual,
	Benzoic Acid	In-house method, SGS-TM-FOOD-021
	None	None
Condiments	Cholesterol	None
	None	D23A (KK)/M2A-1
	None	(Methods of Analysis and
	None	None
	None	None
	None	None
	None	method)
	None	Food Regulations 1985
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	Derivatisation
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
Dairy Products	Total Fat	AOAC Official Method 989.05
	None	Conversion Factors, FAO Food
	None	None
	Ash	AOAC 930.30
	Enterobacteriaceae	ISO 21528-2 Microbiology of food

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 3 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Staphylococcus aureus	ISO 6888-1 Microbiology of food
	Total Plate Count	In-house Method DCH-WI-QA080
	None	Regulations 1985
	kJ/100 g)	Based on Methods of Analysis for
	None	None
	None	None
	None	None
	Dietary Fiber	AOAC? 985.29
	None	on AOAC? 940.26 and AOAC? 923.03
	None	None
	None	on MS 1194:1991 and Food Regulations
	None	None
	None	None
	None	None
	None	None
	Listeria monocytogenes	None
	None	None
	None	based on AOAC 985.29
	Fatty Acid (Saturated Fat,	In-House method WI/JC-LAB/046
	None	(2012)
	None	In-house method
	None	None
	None	None
	None	AOAC 975.03 (2006) / USEPA 6010B
	None	None
	Escherichia coli	FDA-BAM Chapter 4 (2020)
	Moisture	In-house method MBC-TM-200
	Enumeration of Fecal Coliforms	In-house method MBC-TM-118
	Total Plate Count	In-house method LWM 3 based on
	None	None
	None	None
	None	None
	Ash	based on AOAC Edition
	Vitamin A palmitate	In-House Method SOP-0217-1029
	None	Method
	None	By Mojonner (gravimetric)
	Moisture	In-house Method 0509 based on
	Majonnier Fat	AOAC 932.06, Edition
	None	None
	None	None
	Shigella species	FDA-BAM Chapter 6, 2014
	None	None
	None	None
	None	AOAC, 1993)
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 4 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Water activity	AOAC 978.18 (2000)
	None	Fluorescence Detection
	Vitamin B5	In-house method LWI-TEC-
	None	None
	Ascorbic Acid	In-house method LWI-TEC-
	Vitamin A (Retinol)	In-house method LWI-TEC-
	None	None
	None	(Pour Plate Technique)
	None	(Detection, MPN & Spread Plate
	Enterobacteriaceae Detection	ISO 21528-1: 2004
	Aerobic Plate Count	3M-„ç Petrifilm-„ç Rapid Aerobic
	None	None
	None	(Based on Malaysian Standard
Flour And Confectionery	Crude Fat	n-house Method
	Crude Protein & Total Nitrogen	In-house Method D23A
	pH	In-house Method D23A
	Carbohydrate	In-house Method
	None	None
	Ash	In-house method CCF-09, based on
	None	and Pearson-™s Composition &
	None	None
	Propionic Acid	In-House Method CLWI-TEC-F012
	None	None
	None	None
	None	based on MS 1435:1998
	None	None
	Multiresidue Pesticides	In-house No. G32 based on AOAC
	None	980.13
	None	None
	Cholesterol	based on AOAC 994.10 Edition
	None	F019 based on FDA Method
	None	None
	Aflatoxin G2	None
	None	None
	None	None
	None	None
	None	(MPN & Spread Plate
	None	None
Food	Moisture	n-house Method
	Leaching procedure for:	None
	None	None
	Trace Metal Analysis	None
	Salmonella Detection	FDA BAM Chapter 5
	None	None
	Campylobacter jejuni and C. coli	In-house method Detection of
	1) Ash Content in Food Products	In House Method
	Fat (Total, Saturated &	In-house method

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 5 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Aerobic Plate Count	FDA -" BAM Chapter 3, 2001
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Protein	In-house Method: CA/R/007, Based on
	Total Dietary Fiber	In-house Method WI/JC-LAB/029
	Enumeration of	None
	Aerobic Plate Count	FDA BAM Chapter 3, 2001
	Staphylococcus aureus	AOAC Official Methods of Analysis
	None	None
	Antimony	In House Method TM/F-001 refer to
	None	None
	Alcohol (ethanol)	In-house Method No: JAKIM /
	Alcohol (ethanol)	In-house Method No: JAKIM /
	Salmonella spp.	AOAC OMA 2016.01 (3M-„ø Molecular
	None	Based on Porcine Trace ® Rapid
	None	None
	None	None
	None	None
	Determination of Cholesterol in	JKM F 1208: In-house based on
	Total Acidity in Food by Titration	JKM F 0935 In-house Method based
	Determination of Melamine in	JKM F 1302 In-house Method based
	Determination of Total Arsenic in	JKM F 0509 In-house Method based
	Net Weight	JKM F 0944 In-house Method based
	Determination of Vitamin C	In-house method JKM F 1211 based
	Determination of Vitamin A	In-house method JKM F 1212 based
	Determination of Water Activity	JKM M 3082
	Yeast and Mould	JKM M 3084 -" Enumeration of Yeast
	Detection and Enumeration of	JKM B 0201
	Coliform Counts (Petrifilm)	JKM M 3053 AOAC, 21* Edition, 2019 (991.14) -"

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 6 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Detection of Cronobacter	JKM M 3083
	Extraction of Food Samples	JKM B 0105 DNA Extraction and
	Sequencing of mitochondrial	JKM B 0310 Speciation of animal
	Foreign Matter and Extraneous	JKM B 0405 Determination of
	Identification of Insects/Foreign	JKM B 0404. Determination of
	Identification of Foreign Matter in	JKM B 0402. Identification of Rodent
	Determination of the Origin of	JKM B 0403. Determination of Origin
	None	None
	None	None
	None	None
	None	None
	None	None
	None	In-house method, WI-TEC-M001,
	None	None
	None	In-house method, WI-TEC-M014,
	None	None
	None	None
	Pesticides	None
	None	None
	None	None
	None	None
	None	AOAC 990.12,19" Edition 2012
	None	In-house method, WI-TEC-M015M,
	Fat	In-house Method SOP-0217-1008
	Total Sugar (Titration)	AOAC 968.28, Edition, 2005
	Vitamin C	In-house Method SOP-0217-1015 by
	Energy as Calories	In-house Method SOP-0217-1032
	Shigella	FDA/BAM Chapter 6, Feb 2013
	None	None
	None	None
	Tin (Sn)	In-house Method C/FOD/029
	None	None
	Ascorbic Acid (Vitamin C)	In-house Method C/FOD/003
	None	None
	None	None
	None	None
	Staphylococcus aureus -" Most Probable Number	AOAC 987.09
	Enumeration of Mesophilic Lactic Acid	ISO 15214: 1998
	None	None
	Detection & Enumeration of Coliform	AS 5013.3 - 2022
	Enumeration of Coliform	FDA-BAM Chapter 4 (I.G)

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 7 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Detection & Enumeration of Escherichia coli	AS 5013.15 -" 2006
	Enumeration of Escherichia coli	FDA-BAM Chapter 4 (I.G)
	Detection of Salmonella spp.	AS 5013.10 - 2009
	Enumeration of Yeast and Molds	FDA -" BAM Chapter: 18
	Detection of Listeria monocytogenes	In-house Method M/FOD/010 based on FDA -" BAM Chapter 10:2011
	Enumeration of Bacillus cereus	In-house Method M/FOD/011 based on FDA -" BAM Chapter 14:2012
	Enumeration of Fecal Coliform	CMME of Foods - Chapter 8.8
	Clostridium perfringens Count	ISO 7937:2004
	Tin	None
	Sugar Profile:	In-house method SGS-TM-FOOD-104
	Folic acid	In-house method SGS-TM-FOOD-106
	Metals Contaminants Arsenic, As Lead, Pb Copper, Cu	In-House Method, SGS-WI-LAB-028 based on AOAC 986.15, 975.03, 922.02, 2011.14 & 2015.01, APHA 3120B and APHA 3125B
	Total Sugars	In-house method, SGS-TM-FOOD-
	Water activity	In-house method, SGS-TM-FOOD-
	None	None
	Vitamin A	In-house method SGS-TM-FOOD-050 based on Bull. Dept. Med Sci, Vol 37, No. 1 Jan -" March 1995,
	Total Aerobic Count	AOAC 989.10: 2005 & AOAC
	Listeria monocytogenes	In-house method, SGS-TM-MICR-
	None	None
	Porcine DNA	In-house method, SGS-TM-BIOT-
	Total Plate Count	AS 1766.2.1-1991
	Listeria monocytogenes	ISO 11290-1:2017 (E) / Detection
	Salmonella spp.	ISO 6579:2017 (E) / Detection
	Bacillus cereus	ISO 7932:2004 (E) / Enumeration
	Bacillus cereus	ISO 21871:2006 (E) / Detection and
	Vibrio parahaemolyticus	ISO/TS 21872-1:2017(E) / Detection
	Escherichia coli	ISO 7251:2005 (E) / Detection and
	E. Coli 0157	ISO 16654:2001(E) / Detection
	Yeast and Mould Count	In-house method Ref. No. MOH:
	Aerobic Plate Count	In-house method based on AOAC
	Coliform	ISO 4831:2006 (E) / Detection and

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 8 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Mesophilic Lactic Acid Bacteria	ISO 15214:1998 (E) / Enumeration
	DNA Extraction	In-house Method, Ref. No. MOH
	Benzoic acid	In-house Method, Ref. No. MOH:
	Saccharin	In-house Method, Ref. No. MOH:
	Sulphur Dioxide	In-House Method, Ref. No. MOH:
	Boric acid	In- House Method, Ref. No. MOH:
	Formaldehyde	In-house Method, Ref. No. MOH:
	Egg Allergen ? Qualitative	In-house Method, Ref. No. MOH:
	Peanut Allergen ? Qualitative	In-house Method, Ref. No. MOH:
	Milk Allergen- Qualitative	In-house Method, Ref. No. MOH:
	Gliadin Allergen ? Qualitative	In-house Method, Ref. No. MOH:
	Soy Allergen- Qualitative	In-House Method Ref. No. MOH
	Crude Fibre	AOCS Ba 6-84
	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-,ø
	Escherichia coli / Coliform	Petrifilm-,ø E.coli / coliform count Plates
	Escherichia coli / Coliform	Method No: MOH K03-203
	Escherichia coli / Coliform	AOAC Official Method 990.12 3M-,ø
	Aerobic Count Plates	Petrifilm-,ø Aerobic Count Plates
	Aerobic Count Plates	Method No: MOH
	Aerobic Count Plates	AOAC Official Method 2003.07
	Staphylococcus aureus	2003.08, 2003.11 3M-,ø 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)

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 9 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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 staphylococci	ISO 6888-1:1999/Amd.1:2003 (E)
	staphylococci	Method No: MOH KO3-105 (1)
	Vibrio Species other than cholerae	other than Vibrio parahaemolyticus and Vibrio cholera
	Vibrio Species other than cholerae	Method No: MOH KO03-111 (2)
	Vibrio Species other than cholerae	ISO 10272 -" 1: 2006 (E)
	Vibrio Species other than cholerae	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 colour (see Appendix I)	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 using 3M Petrifilm Aerobic Count Plate	AOAC Official Method 990.12
	Plate	None
	Enumeration of Escherichia Coli in Food by using 3M Petrifilm	None
	Escherichia Coli/Coliform Count	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 10 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Plates	None
	Enumeration of Coliform in Food by using 3M Petrifilm Escherichia Coli/Coliform Count Plates	AOAC Official Method 991.14
	Enumeration of Staphylococcus Aureus in Food by using 3M Petrifilm Staph Express Count Plates	None
	Detection of Bacillus Cereus in Food	None
	Detection of Salmonella in Food	Compact Dry -œNissui-• Bacillus Cereus
	Detection of Salmonella in Food	Bacteriological Analytical Manual, 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 Campylobacter spp	MOH MMEF Part 4 Section
	Gram Negative Pathogens	MOH (1): ISO 10272-
	Boric Acid	In-house Method, Ref. No. MOH RO3-
	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:
Nuts, Fruits And Vegetables And Derived Products	None	(Soxhlet Method)
Sauces, Herbs, Spices	Total Fat	n-house Method
	None	(Based on AOAC Official Method
	None	None
	None	None
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 647

Page: 11 of 11

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	None	None
	None	2012
	None	None
	Cholesterol	None
Sauces, Herbs, Spices And	None	(MS1191:1991), UDC 642.2:641.13)
	Ash	n-house Method
	(by calculation)	D23A (KK)/M9C-2
	None	Based on AOAC? 984.25 (oven
	None	Nutrition Labelling, AOAC, 1993 and
	Sudan	In-House Method CLWI-TEC-M041
	None	None
	None	None
	None	Detection using OPA
	None	None
	None	column and UV detection
	None	None
	None	None
	None	None
Sugar And Sugar Products	Total Sugar	In-house Method D23A
	None	(KK)/M8pH-1
	None	and Nutrition Paper77, 2003)
	Energy	In-house Method
	None	None
	None	None
	None	None
	None	None
	Copper	Based on 975.03 & AOAC"
	None	None
	None	None
	None	None
	None	None
	None	None
	Potassium	985.35
	None	(Pour Plate Techniques)

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004120> for the current scope of accreditation