Issue date: 26 March 2025
Valid Until: -

NO: SAMM 239

LABORATORY LOCATION/ CENTRAL OFFICE:	Makmal Keselamatan dan Kualiti Makanan, Sarawak Jalan Tun Abang Hj. Openg 93590 Kuching, Sarawak , 93590, SARAWAK 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, Sarawak Jalan Tun Abang Hj. Openg 93590 Kuching, Sarawak , 93590, Sarawak
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**
(cereal, Dairy, Meat, Eggs,	staphylococcus aureus	None
Drinking Water, Mineral	Total Plate Count	Manual for Microbiology Examination
	Coliform & Escherichia coli	Method No.: MOH K03-303
	Enumeration of Mesophilic	MMEF Part 4 Section 1.
	aerobes: -	Method No: MOH
Edible Oils And Fats	Galiate	In-house Method MOH E03-012.
	Determination of 2-and 3-	AOCS Method Cd29a-13
Fish And Fish Products	1) 3-amino-5-morpholinomethyl-	based on Journal of
	Triphenylmethane Dye	In-house Method MOH D03-015
	Sulphur Dioxide	In-House Method MOH E03-010 : The
	Chloramphenicol	In-House Method MOH D03-007 :

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Detection of Porcine DNA	In-house Method as Documented in
	None	None
	None	None
	None	Based on 962.09, ISO? 1736
	or/and kJ/100 g)	None
	None	None
	None	923.03 19" Edition 2012
	Total Coliform & E.coli	AOAC 19th Edition 2012, 2005.03
	None	None
	None	None
	Benzoic Acid	EUPGFD.SOP.TM.CHEM.02 based
	None	EUPGFD.SOP.TM.CHEM.12 based
	None	None
	None	None
	None	None
	Sulphamerazine	Food Analysis by HPLC edited by
	Oxfendazole	In-House Method, Ref. No.
	Total Plate Count	In-house method LWM 3 based on
	Determination of Inorganic	JKM F 0510 In-house Method based
	None	None
	None	None
	Carbohydrate	Labeling, AOAC: 1993 and Food
	None	None
	Chlortetracycline	by UHPLC
	None	In House Method MY/STP/179
	Nitrofuran metabolites	In-house method SGS-TM-FOOD-
	Biogenic Amines	In-house Method Ref. No. MOH:
	Putrescine	In-house Method, Ref. No, MOH:
	Danofloxacin	In-House Method, Ref. No. MOH:
	Pesticide Residues: Alpha-BHC Gamma-BHC Delta-HCH	In-house method, Ref. No. MOH: F03-009-Determination of Pesticide Residues in Fish, Meat, Poultry and Its Products using QUEChERS Method by Gas Chromatography.
	Benzimidazole:	In-house Method, Ref. No. MOH
	None	Microwave Digestion, ICP-OES
	Histamine	In-house Method LWI-TEC-
	None	None
	Tin	None
	None	None
	None	None
	Yeast and Molds Count	(3M-„¢ Petrifilm-„¢ Rapid Yeast
	Formaldehyde	In-house Method, Ref. No. MOH

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Fish, Meat And Its Products	Pesticides	In-house Method MOH F03-009
	10) 4,4-DDE 11) Dieldrin	International Vol. 86, No.2: 412-431, QuEChERS, GC/GCMS.
Flour	Benzoyl Peroxide	In-house Method MOH E03-024
	Benzoyl peroxide	on Journal of Chromatography A,
	Formaldehyde	931.08. 17 Ed. Vol. II. Chapter 47 and Laboratory Manual on Analytical
	Benzoyl peroxide	In-house Method, Ref. No. MOH
	Potassium, Iron, Sodium,	Analysis Manual, 2015, ICP-MS
	pH	AOAC? 945.42, AOAC? 943.02, AOAC?
	Total Plate Count	In-house method LWM 3 based on
	Calcium Propionate	In-House Method SOP-0217-1024
	Ash	AOAC 923.03
	None	None
	Benzoyl Peroxide	In-house method, Ref. No. MOH:
	Nitrogen / Protein	AOCS Bc 4-91
	Benzoyl Peroxide	MOH E03-024: The Determination of
Food Samples	Boric Acid	In-house Method MOH E03-001
	Qualitative and quantitative	None
	Yeast & Moulds	AS 5013.29 (2009) - Spread Plate
Fruit And Vegetables	Pesticides (Organophosphorus)	In-house Method MOH F03-001
	None	None
Fruits And Vegetables	Azinphos Ethyl	In-house Method MOH F03-007
	None	MES-TRIS Buffer
	Vitamin C	In-house Method No:
	Organophosphorus:	In-house Method No.: MOH F03-010,
	Diazinon	In-House Method MOH F03-001 : Multiple
	None	None
	Organophosphorus and organochlorine pesticides (Screening) (Refer to Appendix 12 for the list of compounds)	In house method, SGS-TM-FOOD-076 with reference to RSTS-FD-PT- 010
	Organophosphorus Pesticide:	In-house method, Ref. No. MOH:
	Pesticide Residues:	In-house method, Ref. No. MOH:
	Organophosphorus Pesticide	In-house method, Ref. No. MOH: F03-
	Organophosphorus :	In-House Method, Ref. No. MOH:
	4,4-DDD	In-House Method, Ref. No. MOH:
	9) Trichlorfon 10) Parathion	Chemistry, 131 (2012): page 611-616, GC/GCMS.
	4) Gamma HCH 5) Delta HCH	None
	Determination of Organochlorine	FQL-TM-PR101. In-House
	Pesticide Residues in Fruits and	Method based on Journal of

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Vegetables by GC-yECD:	Environmental Science and
	Vegetables by GC-yECD:	Health Part B (2007) Modified
	Aldrin	QuEChERS Method.
	Alpha Endosulfan	None
	Alpha HCH	None
	Beta Endosulfan	None
	Chlordane	None
	Chlorfenapyr	None
	Chlorpyrifos	None
	Chlorothalonil	None
	pp-DDD	None
	10 op-DDE	None
	11 pp-DDE	None
	12 op-DDT	None
	13 pp-DDT	None
	14 Delta HCH	None
	15 Dieldrin	None
	16 Endosulfan Sulfate	None
	17 Endrin	None
	18 Hexachloro Benzene (HCB)	None
	19 Heptachlor	None
	20 Heptachlor Endo Epoxide	None
	21 Lindane	None
	22 Methoxychlor	None
	23 Mirex	None
	24 Metolachlor	None
	25 Quintozene	None
	Determination of Synthetic	FQL-TM-PR102. In-House Method
	Pyrethroid Residues in Fruits and	based on Journal of Environmental
	Vegetables by	Science and Health Part B (2007)
	Vegetables by	Modified method.
	Beta Cyfluthrin	None
	Bifenthrin	None
	Cypermethrin	None
	Deltamethrin	None
	Fenvalerate	None
	Lambda Cyhalothrin	None
	Permethrin	None
	Determination Fungicide in Fruits	FQL-TM-PR103. In-House Method
	and Vegetables by	based on Journal of Environmental
	and Vegetables by	Science and Health Part B (2007)
	1 Trifloxystrobin	Modified QUEChERS method.
	Dithiocarbamates (expressed as	In-house Method, Ref. No. MOH
	Synthetic Pyrethroid (4 analytes)	In-house Method, Ref. No. MOH
Grains & Nuts	Aflatoxin	In-house Method MOH L03-011
Honey	Chloramphenicol	In-house Method MOH D03-009
	Moisture	In-house Method No: STP/Honey/01-

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Chloramphenicol	5 International Symposium on Hormone and Veterinary Drug
	Chloramphenicol	In-House Method, Ref. No. MOH
	Determination of	JKM F 0927: Malaysian Standard
	Determination of Moisture in	JKM F 0933 based on MS
	None	None
	None	None
	None	based on Romer-™s Elisa Method
	Chloramphenicol	In-house Method, Ref. No. MOH:
	Sulphonamide:	In-house Method, Ref. No. MOH:
	Macrolides: Erythromycin (ERY) Lincomycin (LINCO) Tylosin (TYL)	In-house Method, Ref. No. MOH D03- 026. Based Agilent Tech. on Application Note. Pub. No. 5991 3190N.LCMS/MS.
	Chloramphenicol	In-house Method, Ref. No. MOH D03-
	Acidity	Honey, MAFF Validated Method V19, April 1992
	Fructose, Glucose, Sucrose, Maltose	AOAC 977.20, 2006
	Amphenicols	In-house Method, Ref. No. MOH
Meat And Meat Product And	None	None
Non -” Alcoholic Beverages	Aspartame & Phenylalanine	In-house Method MOH E03-008
Noodles	Methyl Paraben	In-house Method MOH E03-019
Peanuts	Aflatoxin B1	In-house Method Ref. No. MOH L03-
Product. (as Listed Under	None	Health, Malaysia
Regulation 1985)	None	None
	None	None
Salt	Iodine	In-house Method J03-021 based on
	Iodine	In-House Method MOH J03-021: The
	Total Iodine	In-House Method TM-01 based on
	None	None
	Iodine	In-house method EUPGFD.SOP.TM.CHEM.25 based
	Iodine Content	In-House Method, Ref. No. MOH.
	Determination of Iodine in	JKM F 0919: In-house method
Shrimp	Formaldehyde	In-house Method MOH E03-020
	Food by LC (Fluorescene	AOAC Method 996.13,
	Enterocytozoon Hepatopenaei	In-house method SD?QC ?WI-304 :
	White Spot Syndrome Virus	In-house method SD?QC-WI-306 :
	Enterocytozoon Hepatopenaei	In-house method SD ? KD ? WI 001 :
	White Spot Syndrome Virus	In-house Method NA/FD/004 using

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	White Spot Syndrome Virus	LIRL/LWI 05: Real-time PCR based
	Acute Hepatopancreatic	28: Nested PCR based on
	Ethoxyquin	JKM F 0405 In-house Method based
	White spot syndrome virus	In-house method, Ref. Doc. No. OP-PO5-W1-
	Infection Hypodhermal and	In-house method, Ref. Doc. No. OP-PO5-W1-
	Acute Hepatopancreatic	In-house method, Ref. Doc. No. OP-PO5-W1-
Tea, Coffee And Beverage	Caffeine	In-house Method MOH J03-016

SCOPE OF TESTING : MICROBIOLOGY

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Fish, Poultry, Beverages And	None	None
Fish. (as Listed Under	None	None
Food	Escherichia coli	ISO 7251:2005(E) Horizontal method
	Energy (by calculation)	In-house Method No:
	None	None
	None	None
	None	None
	Detection of Salmonella sp.	SO 6579:2002 (E)
	Detection of E. coli 0157	SO 16654:2001 (E)
	Enumeration of Coagulase Positive	SO 6888-1:1999 Amd.1:2003
	cholerae and Vibrio vulnificus	None
	Horizontal Method for the	None
	Benzoic acid Sorbic acid	E03-002, Based on JAOAC Vol. 70, No. 5, 892-896
	Water Soluble Synthetic Food Colour	In-House Method, Ref. No. MOH E03-003, Based on JAOAC (1975). Official Method of Analysis. 12"
	Methyl paraben Ethyl paraben Propyl paraben Butyl paraben	In-House Method, Ref. No. MOH E03-019. Based on Food Chemistry 82. (2003). 469
	Saccharin and Cyclamate	on JAOAC, vol 71, no 5, 1988, p 934
	Listeria monocytogenes	Method No.: MOH K03-113(1)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Benzoic Acid and Sorbic Acid	In-house Method No.: MOH E03-002,
	Aerobic Count	AOAC Official Method 990.12 Aerobic Count Plates In Foods
	i) E.coli Count ii) Coliform Count	AOAC Official Method 991.14 Coliform And Escherichia coli Count In Foods
	None	AOAC Official Method 2003.07
	None	Microbiology of Food and Animal
	Listeria monocytogenes	MOH
	Listeria monocytogenes and Listeria spp.	ISO 11290-1:2017 (E) Microbiology of the food chain - Horizontal method for the detection and
	Water Soluble Synthetic Food	In-House Method MOH E03-003 : The
	Total Coliform Count	AS 5013.9 (2009)
	Standard Plate Count	AS 5013.1 (2004)
	Aerobic Plate Count	FDA, Chapter 3, Jan 01
	Total E.Coli Count	AS 5013.9 (2009)
	Total Yeast & Mould Count	AS 5013.29 (2009)
	None	Application Notes, LC-MS/MS
	None	Application Notes, LC-MS/MS
	Staphylococcus aureus count (coagulase positive)	FDA Chapter 12 (Detection and Enumeration)
	Yeast Count	AOAC 997.02 (Petrifilm)
	Peroxide Value	In House Test Method, TM 006,
	None	None
	None	None
	Ash	AOAC 945.46
	Carbohydrate	In-house method TM-FD-006:
	Calories (by calculation)	In-house method TM-FD-009 based
	None	None
	Bacterial identification up to species level (Refer to Appendix A(i) & A(ii))	BD BBL Crystal Identification Gram Positive ID Kit & Gram Negative ID Kit (Enteric / Non Fermenter ID Kit) LWI
	Synthetic Colouring	In-house Method, CL/FD/017, based
	Water Activity	In-house Method, CL/FD/017 based on Decagon Paw Kit Water Activity Meter Manual
	Crustacean	n-house Method NA/FD/016 using Real-Time PCR
	Moisture	n-house Method
	Leaching procedure for:	None
	None	None

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

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

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

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	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-„¢
	Escherichia coli / Coliform	Petrifilm-„¢ E.coli / coliform count Plates
	Escherichia coli / Coliform	Method No: MOH K03-203
	Escherichia coli / Coliform	AOAC Official Method 990.12 3M-„¢
	Aerobic Count Plates	Petrifilm-„¢ Aerobic Count Plates
	Aerobic Count Plates	Method No: MOH
	Aerobic Count Plates	AOAC Official Method 2003.07
	Staphylococcus aureus	2003.08, 2003.11 3M-„¢ 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

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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 KO3-105 (1)
	Vibrio Species other than cholerae	other than Vibrio parahaemolyticus
	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 |)	Colour in Food by Paper
	colour (see Appendix |)	Chromatography and UV/ V15
	colour (see Appendix |)	spectrophotometer
	colour (see Appendix |)	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

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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,
	Detection of Salmonella in Food	Chapter 5, Salmonella
	Detection of Salmonella in Food	AOAC Official Method of Analysis
	by using 3M Petrifilm Salmonella	2014.1
	Express System	None
	Salmonella spp.	ISO 6579-1:2017
	Analysis of OrganophosphorusMethod: AOAC 2007.01 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:

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food Act 1983 & Food	None	None
	None	None
Foods	Salmonella	ISO 6579-1:2017 Horizontal method
	Food Colouring	In-house Method MOH E03-003
	Sodium Chloride	In-house Method No:
	Horizontal method for the	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Cadmium	In-House STP/FP/014/VI Based On AOAC 999.11
	Mercury	In-House Based On AOAC 971.21
	Arsenic	In-House STP/FP/028/VI Based On AOAC 986.15
	Lead	AOAC 972.25
	Iron	AOAC 999.11
	Invert Sugar in Sugar & Syrup	AOAC 923.09
	Ash in Baked Product	None
	Sulphur Dioxide as	In-House STP/FP/029/VI Based On Chemical Analysis of Food by David Pearson (1976) By Titration
	Nitrogen (Total) in Soya Sauce	In-House STP/FP/009/VI Based on AOAC 920.87 & MS 807:1983
	Salt (as Sodium Chloride) in Soya Sauce	MS 807:1983
	Fat in Cocoa Product	AOAC 963.15
	Moisture Content in Cocoa Product	AOAC 931.04
	Fat Content	In-House STP/FP/030/VI Based on AOAC 996.06
	Protein (Total)	In-House STP/FP/031/VI Based on AOAC 920.87, 930.25 &950.48 by
	None	Australian Standard
	None	None
	None	None
	None	None
	Alcohol Test	IHM LWII-CT24-001 based on
	Alcohol Test	IHM LWII-CT25-001 based on
	Free 3-monochloropropane-1 ,2-	IHM LWII-CT35-001 based on
	Determination of FAME	IHM LWII-CT29-001 based on
	Pesticide Residues	None
	Pesticide Residues	None
	Cadmium	In-house Method TM002 based
	Aerobic Plate Count	In-house Method TM0351 based

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Available Carbohydrate	Method of Analysis for Nutrition
	Lead	In-house Method, CL/FD/029, Based
	DEEP, DPP, DHXP, BBP,	None
	Ethylene Oxide, 2-chloroethanol	In-house Method, CL/FD/050, Based
	Butanol e	In-house Method, CL/FD/045, Based
	Chlorate, Perchlorate	In-house Method, CL/FD/048, Based
	None	Immunoassay Method
	Moisture	In-House Method based on
	Crude fat	In-House Method
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Test for Porcine Meat	In-House Method
	Protein Content	In-House Method
	Crude Ash	HV/TM/BCLAB/031
	Crude Ash	HV/TM/BCLAB/031
	None	In-House Method
	None	None
	Total Plate Count	HV/TM/MCLAB/001
	Detection of Staphylococcus	HV/TM/MCLAB/004
	using Petrifilm -” Colony Count	AOAC 998.08:2005,
	None	None
	None	(Enumeration by MPN)
	Campylobacter spp.	ISO 10272-1:2006 (E)
	None	IDF/RM 210:2006 (E)
	Formaldehyde	In-House Method, Ref. No MOH
	azelate (DEHA) -” CAS No. 000103-	In-House Method, Ref. No. MOH M03-017/ Migration Test, GCMS
	Lead (Pb)	In-House Method, Ref No.
	Total Arsenic	In-House Method, Ref. No. MOH
	Synthetic colours (13 analytes);	In-House Method, Ref. No. MOH
	Sulphathiazole	In-House Method, Ref. No.
	Total Nitrogen	JKM F 0908 based on Pearson-™s
	Rapid Determination of Thiamine	JKM F 1201: In-house based
	Determination of Vitamin A	JKM F 1203: In-house based on
	Determination of Carbohydrate	JKM F 1204: Method of Analysis for
	Determination of Total Fat in	JKM F 0925: In-house Method based

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Yeast and Mould Count	JKM M 3020
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Macrolides:	In-house Method, Ref. No. MOH D03-
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Nitrogen / Protein	AOCS Ac 4-91
	None	None
	None	None
	None	In-house Method, Ref. No. MOH
	None	E03-014, Determination of
	1) Methyl paraben 2) Ethyl paraben	In-house Method, Ref. No. MOH E03-019, The Determination of
	None	In-house Method, Ref. No. MOH E03-023, Determination of Maleic
	None	None
	None	Method for Acidity in
	None	In-House Method, MOH J03-001
	None	In-House Method, MOH J03-002
	None	In-house Method, Ref. No., MOH J03-034 Determination of Caffeine
	None	None
	7) Triadimefon 8) Trans-chlordane 9) Cis-chlordane	In-house Method, Ref. No. MOH F03-009, Based on Journal of AOAC
	None	In-house Method, Ref. No. MOH
	6) Cyanofenphos 7) Chlorpyrifos methyl	In-house Method, Ref. No. MOH F03-010,
	1) Alpha HCH 2) Dichloran	None
	*Lead *Cadmium	based on AOAC 999.10,1999,
	None	In-house Method, Ref. No. MOH H03-002 Determination of Heavy
	Sucrose	AOAC 977.20, 2006,

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Metals	In-house method LWI-MFF 021
	Sodium as Na Iron as Fe Calcium as Ca	based on AOAC 968.08 (Sample Preparation) & USEPA 6010 B
	Copper as Cu	None
	Manganese as Mn	None
	Zinc as Zn	None
	Cadmium as Cd	None
	Antimony as Sb	None
	Tin as Sn	None
	Lead as Pb	None
	Fat in Dried Milk	AOAC 932.06
Meat And Meat Products	Nitrofuran Metabolites	In-house Method MOH D03-006
	Beta-agonist (Cimaterol,	In-House Method, Ref. No. MOH
	Cadmium	In-house Method, Ref. No. MOH H03-003, The Determination of
	Sulphadimidine (SDD)	Determination of Antibacterial Residues
	None	Microbiology of food and animal
	Coliform and Escherichia	AOAC Official Method 991.14
	Total plate count	AS 1766.2.1 (1991)
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	981.12 & 943.02
	Glucose	None
	None	None
	None	None
	None	based on Bacteriological Analytical
	Nitrofuran Metabolites	In-House Method, Ref No
	Sulphadimidine	Leo M.L Nolleti, Liquid-Liquid
	Total Plate Count	In-house method LWM 3 based on
	Total Plate Count	In-house method LWM 3 based on

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Beta Agonist	In-House No. M18 (Based on Direct
	Tetracycline	In-House Method SOP-0217-1021
	Moisture	AOAC 950.46
	Beta-agonist (B-agonist)	In-house method SGS-TM-FOOD-
	None	None
	Fat	In-house method, Ref. No. MOH:
	DNA Extraction	In-house Method, Ref. No. MOH G03-
Meat Product And Milk	None	Food Quality Control, Ministry of
Mixed Foods)	Bacillus cereus	ISO 7932 : 2004 (E)
Perishable Samples/ Ready	Total Plate Count	Manual for Microbiology Examination
	Coliform	AS 1766.2.3.1992
Portable Water	None	Food Quality Control, Ministry of
	None	None
	None	None
	None	None
	Coliforms and Escherichia coli - Most Probable Number (MPN) Method	AS 1766.2.3 of Australian Standard? Food Microbiology : Examination for specific organisms - Coliforms and Escherichia coli
	None	ISO 9308-1:2014(E)
Ready To Eat Food	Listeria monocytogenes	ISO-11290-1 First Edition 1996-12-
	Coagulase -” positive	ISO 6888-1:1999/Amd 1:2003 (E)
	Total Aerobic Count	Method No.: MOH K03-201
	Salmonella	Method No.: MOH
	None	Listeria monocytogenes in Food
Schedule Regulation 39	None	None
	None	None
To Eat Food, Frozen Fish,	None	of Food, Revised Edition, 1996,
	E. coli	AS 1766.2.3.1992
	aerobes: -	AS 1766.2.1 -” 1991 of
Water, Raw Water, Treated /	None	of Food, Revised Edition, 1996,
	Aerobic: - Total Plate Clount	Enumeration Of Mesophilic Aerobic
	1 Standard Plate Count	AS 1766.2.1 -” 1991 of