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LABORATORY LOCATION/ CENTRAL OFFICE:	Onelab Testing Sdn. Bhd. No. 10A, Jalan Tanjong 2 Taman Desa Cemerlang 81800 Ulu Tiram, Johor , 81800, JOHOR MALAYSIA
	
ACCREDITED SINCE :	19 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:	Onelab Testing Sdn. Bhd. No. 10A, Jalan Tanjong 2 Taman Desa Cemerlang 81800 Ulu Tiram, Johor , 81800, Johor
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
(environment Air	Total Plate Count	reference to Compendium of
Air	Settle Plate Test	In House Method TM/M-016 with
	Total Particulates	JKM 03/35
	Formaldehyde	JKM 03/36
	Aromatic Hydrocarbon (toluene and p-xylene)	JKM 03/38
	Lead	JKM 03/37
	Methyl Iso Butyl Ketone (MIBK)	JKM 03/40
	Total Plate Count	IEST-RP-CC0023.1
Beverages	None	None
	None	None
	Alicyclobacillus spp.	Compendium of Microbiological

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	Determination of ethanol in	JKM 02/04
	Total Sugars	JKM K0616 -" Determination of Total
	pH	AOAC 945.10
	None	None
	None	None
	None	None
	None	None
	None	None
	Protein/Total Nitrogen	In-house Method SOP-0217-1031 by
	Total Dietary Fiber	AOAC 985.29
	Sorbic Acid	based on Journal of
	None	to 1-17 (HPLC)
	Ethanol	In-house method LWI-TEC-
	None	None
	Sorbic Acid in Food by Ultra High Performance Liquid Chromatography	based on AOAC Official Method 983.16, Benzoic Acid and Sorbic
	Performance Liquid Chromatography	Acid in Food, AOAC International,
	Performance Liquid Chromatography	2005
	Determination of caffeine in Soft Drink by Ultra High Performance Liquid Chromatography	In-house method FQL-TM-FA202 based on Ashoor et. Al. J. Assoc. Off. Anal. Chem. Vol.66, No.3, 1983
Beverages & Health	Lactic Acid Bacteria	ISO 20128:2006
Canned Food	Thermophilic Flat Sour Sporeformers	Chapter 25, Compendium of
	Vitamin D2 (ergocalciferol)	by UHPLC
	None	FDA/BAM Chapter 3, Jan 2001
	None	None
Coffee & Tea	None	Analysis for Nutrition Labeling, (1996)
Coffee And Related	None	Methods for the Microbiological
Coffee Powder	None	None
	None	None
	Escherichia Coli (Enumeration of	FDA/BAM Chapter 4, Sept 2002
Confectionery	None	None
	None	None
	None	None
	None	None
	None	None
Confectionery &	Cholesterol	Based on Elsevier -" Journal of
	Coagulase Positive Staphylococci	ISO 6888-2:2021

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Cooling Tower Water /	Legionella spp.	AS/NZS 3896:2017
Cosmetics & Toiletries	Aerobic Mesophilic Count	ISO 21149: 2017
Crude Palm Oil	DOBI	MPOB p2.9:2004
	Deterioration of Bleachability	MPOB p2.9 : 2004
	Determination of Iodine Value	In-house Method JKM K 0219
Dairy Products	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
	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-„¢ Petrifilm-„¢ Rapid Aerobic
	None	None
Derivatives	None	None
	and Caffeine in Coffee, Cocoa	on Nestle Laboratory Instructions
	None	None
	None	None
Derived Products	None	AOAC 2001.11)
	None	AOAC 975.03 (2006) / USEPA 6010B
	None	Methods of Analysis for Nutrition

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	None	LC/MS/MS
	Nitrofurantol Metabolites (AMTZ, AHD, AOZ, SEM)	In House Method Based on Agilent Application Notes: ESI LC/MS/MS
	None	None
	None	None
	None	None
	None	None
	Detection of	MY/STP/365 using real PCR
	Vitamin B3 (Nicotinic acid and	In-house method, SGS-TM-FOOD-
	None	None
	Aflatoxin B2	F028 based on 990.33
	None	None
	None	None
	None	None
	Cholesterol	None
Dialysis Water	Total Viable Count	APHA 9215B (2017)
	Endotoxin	USP 36 ; 2012. Bacterial
	Phenolphthalein Alkalinity as CaCO ₃	None
	None	None
	Sampling procedure	ANSI/AAMI/ISO 23500-1:2019, Section 8.3.2
	None	None
Discharge	(Calculation)	USEPA 6010B (1996) & APHA 3500-Cr
Dried Fruits	None	None
Effluent / Wastewater	Sulfide / Sulphide	In House TM/W-028 method based on
	None	based on Instruction Manual HI
	Phenol	In-house method, WI-WEM-015, based
Eggs & Eggs	None	None
	None	None
Environmental Air	Bioaerosol Test	In House Method TM/M-021
Filtered Water / Potable	Oil & Grease (Hydrocarbon)	APHA 5520F (2017)
Flour &	None	None
	None	None
	None	None
Flour And	None	(1996)
	Cholesterol	In-House LWI-MFF 029
Flour Products	None	None
Food	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 /

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	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
	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

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	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)
	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

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	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
	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-,¢

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	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 staphylococci	ISO 6888-1:1999/Amd.1:2003 (E)
	Coagulase positive 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 KO3-111 (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)

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	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 in Food by Paper
	colour (see Appendix I)	Chromatography and UV/ V15 spectrophotometer
	colour (see Appendix I)	In -" House Method, Ref. No. MOH
	colour (see Appendix I)	FDA Food and Drug =
	Total Plate Count (TPC)	FQL-TM-FA205 In-House Method
	Determination of Boric acid in Food	based International Food on
	by UV-Vis Spectrophotometer	Research Journal 17: 1107-1112
	by UV-Vis Spectrophotometer	(2010)
	by UV-Vis Spectrophotometer	AOAC Official Method 990.12
	Total Plate Count in Food by using 3M Petrifilm Aerobic Count Plate	None
	Enumeration of Escherichia Coli in Food by using 3M Petrifilm	None
	Escherichia Coli/Coliform Count Plates	None
	Enumeration of Coliform in Food by using 3M Petrifilm Escherichia Coli/Coliform Count Plates	None
	Enumeration of Staphylococcus Aureus in Food by using 3M	None
	Petrifilm Staph Express Count Plates	None
	Detection of Bacillus Cereus 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 OrganophosphorusMethod: AOAC 2007.01	ISO 6579-1:2017
	Analysis of Organophosphorus	Analysis of Organophosphorus
	Total Plate Count (TPC)	FDA Food and Drug =

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	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:
Food & Food Products	Aerobic Plate Counts	FDA-BAM Chapter 3 (2001)
Food Products	pH	SO 1842:1991
	Escherichia coli (MPN)	FDA-BAM Chapter 4 (2020)
	Determination of Fatty Acid	JKM F1003 based on AOCS official
	Determination of Total Fat	In-house Method JKM F1213,
	Total Dietary Fibre	AOAC 985.29 (Enzymatic-
	Saccharin	In-House No. FH15 (Based on
	None	In-House No. FHO3 (Based on BSEN
	Nitrate as	In-House No. F90 GB5009.33-2010
	Metal	In-House No.F88 (Based on
	Vitamin D3 (Cholecalciferol)	In-House No.FL 02
	Total Aflatoxin	In-House No. M14 (Based on Direct
	Ochratoxin	In-House No. M17 (Based on Direct
	Vibrio cholera	In-house M54 Qualitative Detection using Real- Time PCR.
	None	based on USP 27
	None	In House Method MY/STP/369
	None	None
	None	None
	None	None
	None	011 Determination of
	Total Combined Yeasts/ Moulds	BP 2020/Volume
	Count	XVI B

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	Coliform Count	FDA BAM Chapter 4, 2020
	Bile-Tolerant Gram-Negative Bacteria	BP 2020/Volume XVI B
	Detection of Specific Microorganism	BP 2020/Volume
	Pseudomonas aeruginosa	XVI B
	Staphylococcus aureus	None
	Escherichia coli	None
	Salmonella spp	None
Foodstuffs	Ash	n House Method TM/F-006
	Titrateable Acidity	SO 750:1998
	Water Insoluble Solids	ISO 751:1998
	Listeria monocytogenes (Detection)	ISO 11290-1: 2017
	Qualitative Chemical Test for	JKM K 0602
Foodstuffs Seafood -	Sulphur Dioxide	AOAC 990.28 (2000)
Fountain Water	None	None
Frozen Food	None	AOAC 931.04 (2005)
	None	None
	None	None
	Vitamin D3 (cholecalciferol)	None
	None	None
	Standard Plate Count	AS 5013.1 -" 2004
	None	None
	None	None
	None	None
Frozen Food -	None	None
Fruit &	None	None
Fruit Juice	None	None
	Acidity	AOAC 942.15B
	Alicyclobacillus	on Compendium of Methods for the Microbiological Examination of
Fruits &	None	None
Hand -	None	& ISO 11290-1: 2017
Hone -	None	None
Industrial Effluent /	Chromium Trivalent	n House TM/W-032 method based on
Instrument	None	with reference to ISO 18593:2018
	None	None
	None	None
	1Vto10V	(42 mV)
	10 Hz to 60 Hz	None
	5Ato15A	(0.75 mA/A +0.051 A)
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

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	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
	Up to 6.1g	0.032 mg
	None	None
	None	None
	None	None
	100 kHz to 26.5 GHz	None
	None	None
	None	None
	None	None
	0.03 to 0.33 mA	None
	1.0 to 33 mV	None
	None	None
	100 yA	None
	None	None
	None	None
	None	None
Juice	None	None
Laksa	None	None
Meat & Meat	None	None
	None	None
Meat & Meat -	None	None
Meat & Meat Products	Pseudomonas Spp.	ISO 13720:2010
	Campylobacter spp. (Quantitative)	ISO 10272-2:2017
	None	None
	Nitrite	In-house Method C/FOD/032
	None	None
Meat, Poultry And	Cadmium	In House Method TM/F-001 refer to
	None	None
Mee / Vermicelli / =	None	None
Milk & Milk	None	None
Milk & Milk Products -	None	None
Nuts	None	None
	Total Aflatoxin (B1, B2, G1, G2)	In-House Method SOP-0117-1034
Nuts & Nuts	None	None

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	None	None
	None	None
Palm Oil & Related Products	Iodine Value	MPOB p3.2:2004
Personnel Hand	Total Plate Count	based on ISO 18593:2018
Potable Water	Heterotrophic Plate Count (Pour Plate)	APHA 9215 B (2017)
	Clostridium perfringens	ISO 14189: 2013
	Total Plate Count	In-house method LWM 3 based on
	Enumeration of Sporulate Sulfite	JKM M 2039, ISO 6461/2:1986 Water
	Bicarbonate Alkalinity as	APHA - 2320B
	Sulphate as	None
	None	None
	None	Based on Merck Chromocult
	Metal Analysis by ICP-OES	None
	None	None
	None	None
	None	None
	None	None
	Mercury (Hg)	In House Method 0556 based on
	None	None
	Chromium	None
	None	None
	None	None
	None	AS/NZS 1766.2.9 ? 1997 of Australian/New Zealand Standard?
Products	Fat (Acid Hydrolysis)	n House Method TM/F-014 Based on
	Moisture	n House Method TM/F-004 Based on
	None	Examination of Foods, 4th Edition
	Vibrio parahaemolyticus	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Coliform	FDA-BAM Chapter 4 (2020)
	Fecal Coliform	FDA-BAM Chapter 4 (2020)
	None	None
	None	AOAC 991.14 (3M Petrifilm) (2002)
	None	None
	Clostridium perfringens Count	FDA-BAM Chapter 16 (2001)
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Dynamic Viscosity and Density	None
	and Fire Points by Cleveland	None
	Moisture Karl Fischer Reagent	ISO 8534 (M) / KF Volumeter (E) /
	Flash Point (Cleveland Open	ASTM D 92-90
	None	Gel-Clot Method
	None	None
	Test for absence of I	None
	None	None
	None	L03-004, Based on VICAM
	None	Zearala
	None	Spectrometry (WDXRF)
	in Fruit Juices and Related	onBrause et al., Journal of AOAC
	None	Lovibond Colour in Palm Oil and
		Palm
	None	(CTAB Protocol) based on
	None	Conventional Polymerase Chain
	None	(HPLC)
	None	None
	Violet	In-House No.FH 38
	None	None
	None	None
	Refer Appendix III	2007.01 (GCMSMS)
	None	None
	None	None
	-35S Promoter	Detection Using Real Time PCR
	None	None
	None	None
	None	968.28
	None	None
	None	None
	None	None
	Mercury	In-house Method SOP-0217-1018,
	None	UHPLC
	None	UHPLC
	Ash	In-house Method 0510 based on
	None	AOAC 964.21
	None	None
	None	Edition, 1978
	None	None
	None	None
	None	2:2009
	Bioburden Estimation	ISO 11737-1:2006
	Sterility Test	ISO 11737-2:2009
	Endotoxin in Medical Devices	USP 29 th Edition (LAL Gel Clot
	None	None
	None	None
	None	None
	None	None

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	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Bend Performance	Clause 7.2.4 e
	Lithium, Li Vanadium,V	001 with reference to USP 39 and USP 40
	None	nicotinic acid and nicotinamide in
	None	None
	phthalate, DIBP	None
	Dibutyl phthalate, DBP	006, with reference to ISO 8124-
	None	None
	None	None
	None	L03-007-Determination of Aflatoxin
	None	G03-123(1)-Detection of Maize in
	None	G03-143(1)-Detection of Event-Specific
	None	G03-143(2)-Detection of Event-Specific
	None	G03-143(3)-Detection of Event-Specific
	None	G03-143(5)-Detection of Event-Specific
	None	G03-143(4)-Detection of Event-Specific
	NoneNone	None
	None	
	None	None
	Ultimate Tensile Strength e	(ref no: QA/METAL/05)
	None	None
	Monosodium Glutamate	F024 by HPLC Fluorescence
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Aerobic Plate Count	None
	Total Coliform Count	FDA-BAM, Ed, Chap 4
	Fecal Coliform	None
	Salmonella spp.	FDA-BAM, Ed, Chap 5
	- Sulphate	BS 1377, 1990-Part 3 Section 5
	- pH Value	BS 1377, 1990-Part 3 Section 9

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	- Loss on Ignition	BS 1377, 1990-Part 3 Section 4
	Average Grain Size Measurement	Method)
	- Rockwell Method	ASTM E18: 20
	Break Test (Filled Weld)	None
	Properties Measured /	Method/
	Total Plate Count	Plating
	Coliform	Determination of Coliform & E.coli
	Escherichia Coli	(Pour Plate Method) - AOAC
	Escherichia Coli	performance tested. Certificate no.
	Escherichia Coli	020902
	Coliform	AOAC 998.08. Edition,
	Escherichia Coli (Petrifilm)	2019/Petrifilm
	Staphylococcus Aureus (Petrifilm)	AOAC 2003.11. 21% Edition,
	Staphylococcus Aureus (Petrifilm)	2019/Petrifilm
	Salmonella (Petrifilm)	AOAC 2014.01. 21% Edition,
	Salmonella	2019/Petrifilm
	(Alpha Tocopherol, Alpha Tocotrienol,	FDA BAM Chapter 5. 2020;
	Beta Tocotrienol, Gamma Tocotrienol,	70, No. 12, December 1993/HPLC
	Delta Tocotrienol)	None
	Phytosterols Content	None
	(Sitosterol, Stigmasterol)	EvTM_0008/HPLC
	Plant Squalene	None
	Solvent Residue	EvTM_0007/HPLC
	(Hexane, Ethyl Acetate, Methanol,	EvTM_0005/GC Headspace
	Isopropanol, Dichloromethane,	None
	Ethanol)	None
	Benzo A Pyrene	None
	Benzo A Pyrene	EvTM_0004, Based on AOCS Cd
	Moisture	21 - 91, 5" Edition (2003)
	Moisture	AOCS Ca 2e - 84, Edition
	Mixed Carotene	(2003)
	Mixed Carotene	None
	Solvent Residue	EvTM_0150/HPLC
	(Hexane, Ethyl Acetate, Methanol,	EvTM_0151/GC-HS
	Isopropanol, Dichloromethane,	None
	Ethanol)	None
	Moisture	None
	Moisture	AOCS Ca 2e - 84, Edition
	None	(2003)
	2,6-Di-Tert-Butyl Hydroxytoluene	None
	Tocotrienol, Beta Tocotrienol,	EvTM_0049/GC
	Gamma Tocotrienol, Delta Tocotrienol)	1993/HPLC
	Benzo A Pyrene	None
		None
		EvTM_0114, Based on AOCS Cd
		21-91, 5th Edition (2003)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Mixed Carotene	EvTM_0115/HPLC
	Mixed Carotene	EvTM_0116/UV-VIS
	Lycopene Content	EvTM_0118/UV-VIS
	Plant Squalene	EvTM_0124/HPLC
	Phytosterols Content (Sitosterol, Stigmasterol)	EvTM_0125/HPLC
	Solvent Residue (Hexane, Ethyl Acetate, Methanol,	EvTM_0126/GC HS
	Isopropanol, Dichloromethane,	None
	Ethanol)	None
	Moisture	AOCS Ca 2e - 84, Edition
	Moisture	(2003)
	Total Aerobic Microbial Count	XVI B
	Total Combined Yeasts/ Moulds	BP 2020/Volume
	Count	XVI B
	Coliform Count	FDA BAM Chapter 4, 2020
	Bile-Tolerant Gram-Negative	BP 2020/Volume
	Bacteria	XVI B
	Detection of Specific Microorganism	BP 2020/Volume
	Pseudomonas aeruginosa	IV/Appendix XVI B
	Staphylococcus aureus	None
	Escherichia coli	None
	Salmonella spp	None
	Total Aerobic Microbial Count	XVI B
	Total Combined Yeasts/ Moulds	BP 2020/Volume
	Count	XVI B
	Coliform Count	FDA BAM Chapter 4, 2020
	Bile-Tolerant Gram-Negative	BP 2020/Volume
	Bacteria	XVI B
	Detection of Specific Microorganism	BP 2020/Volume
	Pseudomonas aeruginosa	XVI B
	Staphylococcus aureus	None
	Escherichia coli	None
	Salmonella spp	None
	None	spp. by Real-Time PCR (qPCR) -" SYBR
	None	None
	None	in Soybean by real-Time PCR (qPCR)
	None	DNA (Universal Plant) by Real-Time
	Free Fatty Acids	None
	Moisture and Volatile Matter Hot	AOCS Ca 2b-38 (1997)
	Plate Method	None
	Insoluble Impurities	AOCS Ca 3a-46 (1997)
	Iodine Value of Fats and Oils	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Cyclohexane-Acetic Acid	AOCS Cd 1d-92 (1997)
	Method	None
	Slip Melting Point	None
	AOCS Standard Open Tube	AOCS Cc 3-25 (1997)
	Melting Point	None
	Color	AOCS Cc (1997)
Puree =	None	None
Ro Water	Turbidity (Nephelometric	APHA 2130B (2017)
	None	None
	Dichloramine)	None
	Total Viable Microbial Count	ISO 23500: 2014
	Total Viable Microbial Count	AAMI/ANSI 13959: 2014
	None	None
	None	APHA 9222 D (Membrane Filtration),
Sampling	Total Plate Count	based on NIOSH 0800 (1998)
	dust / total dust	(based on NIOSH method 0500 -
	inhalable dust	(based on NIOSH method 0500 -
	Particulate Emission	Stack Monitoring
Sampling)	Yeast & Mould Count	Methods for Microbiological
Sauces	None	Based on GB 5009.4-2016
	Total Plate Count	In-house method LWM 3 based on AOAC 966.23 (2007)
	Acidity	MS1120:2004
	None	None
Sauces -	None	None
Seafood	None	None
	None	None
	None	None
	Fluoroquinolone and Quinolone:	In-house method, SGS-TM-FOOD-
	Salmonella spp.	None
Seafood & Seafood	Vibrio cholerae (Detection)	FDA-BAM Chapter 9 (2019)
Seasoning	None	None
Spices &	None	None
	None	None
Supplement	None	None
Surface -	None	None
Surface, Equipment &	Swab Test	In-House Method TM/M-017
Swab	Listeria monocytogenes (Detection)	In House Method (TM/M-016)
	Total Plate Count	In-house method LWM 3 based on
	None	None
	None	documented in MKAK/MOL/WP-01.
	None	Handling & Management of Positive Control

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	and Negative Control in MKAK/MOL/WP-02
	None	BAM; Chapter 3; 2001 (Count)
	Detection	None
	None	None
	None	on culture media - As documented in A4QD006
	None	None
	Enteric Pathogen Culture	MKAI/SP/BAC/WI-01
	Smear and Staining	Gram Stain as documented in
	Smear and Staining	MKAI/SP/BAC/WI-02
	Bacteria Identification	Automation / Vitec2 as documented
	Bacteria Identification	in MKAI/SP/BAC/WI-04
	Antibiotic Sensitivity Test	Manual Disk Diffusion as documented
	Antibiotic Sensitivity Test	in MKAI/SP/BAC/WI-05
	Maintenance and Preservation of Culture	Glycerol as documented in MKAI/SP/BAC/WI-06
	Covid Rapid Antigen	Rapid Chromatographic Immunoassay/Manual as
	Covid Rapid Antigen	documented in GPQD/MOL/SOP-5
Swimming Pool Water	Cyanuric Acid	n House TM/W-055 method based on
	Staphylococcus aureus (Membrane	APHA 9212B.6 (2017)
	None	None
	Total Solids	APHA - 2540B
	Metal:	None
	Bromide as Br	None
	Resistivity	In-house Method SOP-0217-2036
	Total Chlorine as Cl2	APHA 4500-Cl G, 21st Edition 2005
	Biochemical Oxygen Demand @ 20 °C	APHA 5210 B
	None	None
	None	None
	None	None
	None	None
	None	None
Tea & Coffee	None	GB 5009.6-2016
Traditional Medicines	Total Aerobic Microbial Count (TAMC)	BP 2019 Ph Eur 2.6.12
	Burkholderia cepacia complex	USP (2021)
	None	AOAC 975.03 (Sample Preparation)
Vegetables	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	Determination of	JKM F 0704 based on Headspace
	None	None
	None	None
	None	None
	Dithiocarbamates, expressed as	In-house method, Ref. No. MOH:
	Organophosphorus Pesticide	In-house method, ARL-TTM-001,
Vegetables, Fruit & =	None	None
Water & Effluent	Alkalinity (Titrimetric)	APHA 2320 B (2017)
	Carbonate, Bicarbonate & Hydroxide	APHA 2320 B (2017)
	Metals	APHA 3030F (Sample Preparation)
Water / Mineral Water /	None	None
Wine	None	None

SCOPE OF TESTING : MICROBIOLOGY

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