

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 1 of 31

LABORATORY LOCATION/ CENTRAL OFFICE:	Jabatan Kimia Malaysia Negeri Melaka Jalan Tun Kudu, Bukit Katil, 75450 Melaka , 75450, MELAKA MALAYSIA
	
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGICAL

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:	Jabatan Kimia Malaysia Negeri Melaka Jalan Tun Kudu, Bukit Katil, 75450 Melaka , 75450, Melaka
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
(continued)	None	Day BOD Test, APHA 4500-0 C Azide
	None	Mg B: Determination of Magnesium
	None	Vapour Atomic Absorption Spectrometric
	None	None
	Total MgO	In-house Method (Ref. No. F7)
	None	Level 2]
	None	BS 6177:1982 Clause 9.6
	Shear Stiffness	AS 5100: Part 4 (2017),
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 2 of 31

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	(First Revision)
	Manganese	Based on MS 1.107: 1976
	None	None
	None	None
	Ammoniacal Nitrogen	APHA B&F, Edition
	None	(Clause 11.5 and 11.6)
	None	None
	None	None
	None	None
	None	None
	moisture content relationship	BS 1377:1990, Part 4, Clause 3
	compressive strength	BS 1377:1990, Part 7, Clause 7.2
	distribution: wet sieving, dry	BS 1377:1990, Part 2, Clause 9.2,
	number of a soil	Equipment: glass beaker, test tube
	test	None
	Power frequency magnetic field	IEC 61000-4-8:2009
	11. Determination of Viscosity	In-house ESL QPL A011
	None	None
	Boron (as % B ₂ O ₃)	In-house Method P02-10 based on
	None	and Management unit PORIM
	None	pg.31
	None	1994
	None	None
	Seal Degradation Test	AS/NZS 4284: 2008 (Clause 8.10)
	Seismic and Wind Induced Inter	AAMA 501.4-2018 (Clause 7.0)
	None	None
	None	None
	None	None
	None	None
	Escherichia coli	APHA 9221.F (MPN) APHA
		9222.H (Membrane Filter)
	Fecal Streptococci	APHA 9230.C (Membrane Filter)
	Clostridium perfringens	HPA NSM WS5 Issue 3
		(Membrane Filter)
	Pseudomonas aeruginosa	APHA 9213.E (Membrane Filter)
	Sulphite reducing anaerobes	ISO 6461-2:1986 (Membrane
		Filter)
	penetration)	None
	Dynamic Water Penetration Test	AAMA 501.1-17
	Seal Degradation Test	AS/NZS 4284:2008
	Seismic and Wind Induced Inter	AAMA 501.4-2009
	None	ASTM E330/ E330M-14

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 3 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	of Transparent and Opaque Liquids	None
	Smoke Point	ASTM D1322
	Determination of Calcium	MS 679: Part - V: Part IV, Clause 5,
	Force at Break(0-500N)	None
	Elongation at break (0 -" 1000%)	None
	None	None
	None	None
	None	None
	None	None
	None	ASTM E 190:2014
	a. Vickers (HvN)	ASTM E384-2017
	Nitrofurans residues:	In-house Method, Ref. No. MOH D03-
	None	DIN ISO 34-1:2016 AS 1683.12: 2001 (2018)
	Abrasion Resistance	ASTM D5963-04 (2019) (Method A) ISO 4649: 2017 (Method A) DIN ISO 4649:2014 (Method A)
	DC to 1 kHz	(of reading) 0.0035 Q
	at Frequency: 2.5 MHz to 1.3 GHz	(of reading)
	1 kHz	0.000048 nF
	100 Q DC to 1 kHz	0.023 Q
	None	0.5 bar
	None	None
	Liquid Limit	None
	None	None
	None	None
	None	None
Alcoholic Beverages	Ethanol in Alcoholic Beverages	JKM K 0106 -" Gas Chromatographic Determination of Ethanol in Alcoholic
	None	STP/HA/02/Gas Chromatography
	None	None
	Determination of Ethanol in	In-House Method JKM K0106 based
	None	None
	Sulfur dioxide	In-house method
	None	Determination of Ethanol using
	Gas Chromatographic	JKM K 0106
	None	None
	Ethanol	In-house Method C/FOD/030 based on Journal of Food and
	Copper, Selenium, Zinc and	In-house method LWI-TEC-
	Total Bacteria Count	FDA-™s BAM Chapter 3
	Clostridium perfringens	FDA-™s BAM Chapter 16
	Methanol & Ethyl Alcohol	MOH Determination of

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 4 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Beveages	None	None
Classification Laboratory	None	None
Coffee & Coffee Products	Caffeine	JKM F 0907, Determination of Caffeine
	Caffeine	In-house method TPCD-LC/FA-003 by HPLC based on BS ISO 20481: 2008
	Caffeine Content	ISO 10095: 1992
Common Salt	Sodium Chloride Content	JKM F 0910, Determination of Sodium
	Sodium Chloride Content by	JKM F 0910 based on Pearson's
Effluents (prescribed	Ammoniacal Nitrogen	*AN -" DOE REFERENCE METHOD
	None	Edition DOE 2011.
	None	Edition DOE 2011.
Environment & Water	BOD	*BOD3 -" DOE REFERENCE METHOD
Environmental	None	None
	Listeria monocytogenes	HiMotility-„¢ Biochemical Kit
	pH	ASTM D 1293-18
	None	None
	pH	ASTM D 1293-18
	None	None
	None	None
	PH value at 25 °C	*APHA 4500-H* B, 2005
	Iron (as Fe), mg/L	*APHA 3111 B, 2005
	Oil and grease	*APHA 5520 B, 2005
	Turbidity	APHA 2130B, 2017
	Metals	APHA 3030 F and APHA 3120 B
	None	on APHA 9222 J
	None	on Colilert Test Kit notes, IDEXX
	None	None
	None	None
	Aerobic Plate Count	CMMEF Chapter 3; 1992 & FDA/
	None	None
	None	None
	None	None
Food Laboratory	None	None
	None	None
	None	None
Foods	Benzoic Acid, Sorbic Acid	JKM F 0102, Determination of Benzoic
	None	Content in Food by Titrimetric Method
	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

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 5 of 31

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
	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
	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

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 6 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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 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
	Yeast and Mould Count	JKM M 3020
	None	None
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 7 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	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,
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 8 of 31

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
	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
Foods (continued)	Salt Content	JKM F 0920, Determination of Salt
	None	None
	None	None
	None	None
Foods (continued) Foods	Fat in Milk	JKM F 0905, Determination of Fat in Milk (Gerber Method)
Industry & Trade Tariff	None	None
Laboratory	None	None
	None	Analysis of Rubber and Palm Oil Mill
	None	Analysis of Rubber and Palm Oil Mill
Liquid Effluents	Magnesium	Absorption Spectrometry
	BOD	JKM E 0118 based on APHA 5210 B 5
	Magnesium	JKM E 0116 based on APHA 3500 -"
	None	Determination of Mercury by Cold
Margarine & Butter	Fat	JKM F 0904, Determination in Total fat
Monitoring	Total Nitrogen	*TN -" DOE REFERENCE METHOD
	None	(Method B)
	None	None
	None	(Method B)
	None	APHA 4500-H* B, 2017
	None	APHA 3111 B, 2017
	None	APHA 5520 B, 2017
	None	None
	Aluminium, Al	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 9 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Yeast Count	based on Compendium of Methods
	None	based on Compendium of Methods
	None	In-House Method SOP-ENV-006
	None	None
	None	None
	None	None
	Arsenic	None
	None	None
	Chromium, Cr	NIOSH 7024
	None	None
	Oxides Emissions from	Monitor FEM-7 V1.3)
	None	None
Premises)	None	None
	BOD three days	BOD Alternative Method,
	None	None
Rubber & Palm Oil	None	None
Salt	Iodine	JKM F 0919, Determination if Iodine in
	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
Sauce (chilli & Tomato)	Howard Mould Count	JKM M 3021, AOAC 965.41, 18"
Tea	Water Soluble Extract in Tea	JKM F 0912 Determination of Water
	Magnesium	None
	None	None
	None	None
	None	None
	Water Soluble Extracts	JKM F 0912 based on (i) AOAC
	Pesticide Residues:	In-house Method, Ref. No. MOH:
Waste And Wastewater	Detection & Enumeration of	JKM M 2036, Based on Part 2,
Water	None	None
	COD	JKM E 0019 based on APHA 5220 Open
	Calcium/Calcium Hardness	JKM E 0015 based on APHA 3500 -"
	Chemical Oxygen Demand	JKM W 0401 based on HACH Method

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 10 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Coliform (MPN/100 ml)	ISO 9308 -" 2 (2012)
	E. coli (MPN/100 ml)	ISO 9308 -" 2 (2012)
	None	None
	None	None
	the Spores of Sulfite-Reducing Anaerobes (Clostridia) -" Part 2:	ISO 6461/2-1986 (E)
	E. Coli and Coliform	Water Quality-Enumeration of E.coli
	Intestinal enterococci	MOH (2)
	None	None
	None	None
	Coliform Count	APHA 9221 B
	E.Coli Count	APHA 9221 B, 9225
	Total Aerobic Plate Count	APHA 9215 B
	Total Fecal Coliform Count	APHA 9221 E
	Heterotrophic Plate Count	AS/NZS 4276.3.1 (2007)
	pH	APHA 4500 - H* B, 21% Edition
	Chlorine - Free	HACH 8021 and HACH 10069,
	Fluoride	APHA-4110 B, 215 Edition
	Biological Oxygen Demand, 5	APHA-5210 B, 215 Edition
	Free Chlorine MR	HACH method 10245, 5* Edition,
	Heterotrophic Colony Count	AS 4276.3.1-1995
	Zinc Manganese	APHA 3030E, 3120B Edition 2012
	None	None
	None	None
	Determination of Organochlorine	None
	Bacillus cereus	In-house method 21BAMC-B036
	None	None
	Pseudomonas aeruginosa	In-house method 21BAMC-B064
	Total Coliforms	In-house method 21BMPN-B075
	Bacillus cereus	In-house method 21BAMC-B036
	Pseudomonas aeruginosa	In-house method 21BAMC-B064
	Total Coliforms	In-house method
	None	PCL)
	Acute Hepatopancreatic	In-house method SD?QC-WI-305 :
	None	None
	Pathogen	, , , APHA 9222A,
	None	None
	Temperature	APHA 2550 B
	Phosphorus	APHA 4500 P C
	Bromodichloromethane,	In-house Method, CL/WT/008 based
	Metals by ICP	APHA 3120 B
	Mercury	APHA 3112 B
	Chlorpyrifos	In-house Method, CL/WT/011,
	Aluminium	APHA 3125 B (ICP-MS)
	Gross Alpha, Gross Beta	ISO 11704:2018
	Heterotrophic Plate Count	APHA 9215 B (Pour Plate Method)

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 11 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	pH	APHA - 4500-H B
	None	ASTM D 1293-18
	None	None
	None	None
	None	ASTM D 1293-18
	None	None
	Turbidity	APHA 2130 B
	pH	APHA 4500 H* B 23rd Edition
	Total solid dried at 103°C -" 105 °C	APHA 2540 B (2005)
	Enumeration of Plankton	Marine Water (PBPKL-STP-PP-1)
	None	APHA 4500 Norg B (2017) and
	None	USP Chapter Bacterial
	Coliform, Fecal Coliform &	APHA 9222 B.G.H.D
	None	APHA 3111 B, 2017
	None	APHA 3111 B, 2017
	None	None
	None	from HACH Method 8023, DR3900
	PH test	APHA 4500 H*B Edition 2017)
	Total suspended solids	APHA 2540 D Edition 2017)
	Turbidity Test	APHA 2130 B Edition 2017)
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	MLSS	None
	Hydrocarbon, PAH	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
	Selenium (Se) Chromium (Cr)	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Ammonical Nitrogen	APHA 4500-NH3
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 12 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Lead	APHA 3120 B
	Tin	None
	Iron	None
	Heterotropic plate count	APHA 9215 D
	Standard total coliform	APHA 9222 B
	None	None
	None	None
	pH	APHA - B
	Escherichia coli and Coliform	ISO 9308-1:2014 (E) / Enumeration by
	Bisphenol A	In-house test method MKA TMO6 based
	Total Hardness	HACH Method 8226, 8" Edition, 2015
	Hardness by Calculation	APHA 2340 B & In-house test method
	Color	HACH Method 8025, Edition, 2014
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Determination of pH	APHA 4500-H* B, 2005
	Determination of chloride	APHA 4500-Cl B, 2005
	Determination of sulphate	APHA B, 2005
	Determination of alkalinity	APHA 2320 B, 2005
	Determination of total solids	APHA 2540 B, 2005
	pH	APHA 4500 H*B
	Color	APHA 2120 C (2017)
	Heterotrophic Plate Count	APHA 9215 B (2017)
	Standard Total Coliform	APHA 9221 B (2017)
	Escherichia coli	APHA 9221 F (2017)
	Examination for Legionella spp.	AS/NZS 3896:2008
	pneumophila	None
	Staphylococcus aureus count	APHA 9213 B (2017)
	Fecal Streptococcus	APHA 9230 C (2017)
	Pseudomonas aeruginosa	APHA 9213 F (2017)
	Identification of Escherichia coli	In-house Method GPS/QA/TM/001
	Identification of Shiga-toxigenic	In-house Method GPS/QA/TM/004
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 13 of 31

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
	Ammonia	ASTM D1293
	None	None
	None	None
	None	None
	and Escherichia coli	None
	None	filtration)
	Clostridium perfringens	ISO 14189: 2013 (E)
	None	None
	None	None
	None	None
	None	(2005)
	None	21% Edition (2005)
	Colour	APHA 2120 C 2005
	Determination of Volatile	Method EPA 524.2 By Purge & Trap
	Oxygen Demand (COD) for High	APHA Method 5220D
	None	In-house Method JKM W 0502,
	None	on APHA 4110 B-"lon
	Colony Count at 36°C	JKM M 2038, ISO 6222:1999 (E)
	Intestinal Enterococci	i) WI 16 -" Sample Preparation for
	Enumeration of Clostridium	JKM M 2035
	Detection of pathogenic	JKM B 0201 Detection of pathogenic
	Identification and Quantification	JKM B 0406
	pH	APHA - 4500-H B
	None	None
	None	None
	None	None
	None	None
	Boron	HACH METHOD 8015
	None	None
	E. coli	APHA 9221 F (MPN Method)
	None	None
	Total Organic Carbon	APHA 5310 C
	Heterotropic plate count	APHA 9215 B, 22"4 Edition (2012)
	None	(Membrane Filtration Technique)
	None	None
	Metals by ICP	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 14 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	pH	ASTM D 1293-2005 (Method B) APHA 4500 H* B 2005/2017
	pH	ASTM D1293-2005 (Method B) APHA 4500 H* B 2005/2017
	None	None
	Turbidity	APHA 2130B
	On-site Sampling & Testing (pH Temperature, Turbidity)	In-house Method SOP-0222-2001 & SOP-0222-2003
	Coliform	APHA 9221 B, Edition, 2005
	Heterotrophic plate count in	APHA Method 9215 D, Edition,
	None	None
	None	None
	pH Value	BS 1377-3 : 2018 Clause 12
	pH Value	BS 1377-3 : 2018 Clause 12
	None	None
	Calcium Hardness as CaCO ₃ ,	APHA 3500-Ca B, 2017
	Magnesium (by Calculation Method)	APHA 3500-Mg B, 2017
	Nitrate	APHA E, 2017
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Aluminium	None
	None	None
	Organochlorine Pesticide	APHA 6630 B, Edition
	Ammoniacal Nitrogen	APHA F, 24" Edition
	Arsenic	APHA 3125 B, Edition
	Mercury	In-house method, SGS-TM-ENVI-003, based on APHA 3125 B
	2,4-dichlorophenoxyacetic acid (2,4-D)	In-house method, SGS-TM-02-045, based on Agilent Application Note 5991-5731 EN (LCMSMS)
	Heavy Metals by ICP-MS	None
	Endotoxin	Test for Bacterial Endotoxin, BP 2022
	pH	APHA 4500 H*B
	Oil & Grease	APHA 5520 B
	Color	APHA 2120 B
	Color	APHA 2120 F

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 15 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	pH	APHA 4500 H* B
	Turbidity	APHA 2130 B
	Conductivity	APHA 2510 B
	None	None
	None	None
	None	None
	Escherichia coli and coliform	ISO 9308-1: 2014 (E) / Enumeration
	Pseudomonas aeruginosa	ISO 16266:2006 (E) / Detection and
	Ammonium nitrogen	BS 6068: Section 2.7:1984 ISO 5664:1984
	Chemical Oxygen Demand	BS 6068: Section 2.34:1988
	Suspended solids	BS 2690-Part 120:1981
	Dissolved solids	BS 2690-Part 121:1981
	None	ASTM D 523-82
	COD	APHA 5220 D
	None	None
	Free Chlorine	APHA' 4500 -" CI G
	Count	(Pour Plate, Spread Plate and
	Anaerobes (Clostridia)	BS 6068-4:9: 1993
	Gross Alpha & Gross Beta	None
	Arsenic as As	None
	Antimony as Sb	None
	Aluminium as Al	None
	Beryllium as Be	None
	Cadmium as Cd	None
	Chromium as Cr	None
	Lead as Pb	None
	Silver as Ag	None
	Selenium as Se	None
	Thallium as TI	None
	Mercury as Hg	In-house Method LWI-MWE 037 based on APHA 3112 B by
	Mercury as Hg	Mercury Analyser
	Nitrate	In-house Method LWI-MWE 032 based on HACH Nitrate
	Nitrate	Test Comparator
	Sulfide	HACH Method 8131
	Chlorine, Free Residual	In-house Method LWI-MWE
	Chlorine, Free Residual	034 based on DPD-Palintest
	Chlorine, Free Residual	Test Comparator
	Total Chlorine	In-house Method LWI-MWE
	Total Chlorine	035 based on DPD-Palintest
	Total Chlorine	Test Comparator
	Colour (ADMI)	APHA 2120 F
	Heterotrophic Plate Count	None

NO: SAMM 232

Page: 16 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Pseudomonas aeruginosa	In-house Method LWI-MME (APHA) 007
	Pseudomonas aeruginosa	based on APHA 9213 E, 2020
	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
	None	None

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Drinking Water	Detection & Identification of	JKM M 2032, Membrane Filtration Test
	Heterotrophic Colony Count	JKM M 3012 Pour Plate Method -"
	None	Method 09713
	Nitrate	None
	None	None
	Biocides -	In-house Method, CL/WT/009, based
	coliform and Escherichia coli	method
	None	None
	Fluoride	HACH Method 10225
	Nitrate	HACH Method 8171
	Nitrite	HACH Method 8507
	Phenols	HACH Method 8047
	Phosphorus	HACH Method 8048
	Phosphate	HACH Method 8048
	None	None
	Sulphide,	APHA 4500-S? C & F
	None	None
	None	None
	Chloride	HACH 8113
	Total Plate Count	APHA 9215 B
	None	None
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 17 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	Calcium	3120 B
	Cyanide	APHA? 4500 & F
	Formaldehyde	APHA? 6252 B
	Phenol	APHA? 5530 B & C
	Hardness	2340B
	Aluminium (Al)	None
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G,
	Zinc as Zn	APHA 3120 B, (2017)
	None	Multiple-Tube Fermentation
	None	Multiple-Tube Fermentation
	None	None
	None	None
	Temperature	APHA 2550 B
	None	None
	None	None
	Epichlorohydrin	In-house JKM W 0413 by Purge and
	Determination of PAHs in	In-house Method JKM W 0414,
	Organochlorine Pesticides	In-house Method JKM W 0502,
	Determination of Anions by Ion	In-house Method JKM W 0303,
	Coliform and Escherichia coli	JKM M 2032
	Turbidity	APHA - 2130B
	Total Nitrogen as N	APHA - 4500Norg B & APHA -
	Oil & Grease	APHA - 5520B or APHA - 5520D
	Antimony as Sb	Plasma Optical Emission
	Antimony as Sb	None
	Selenium as Se	None
	Fluoride as F	Chromatography with Chemical
	Dichlorobromomethane	None
	None	None
	Organophosphorus Pesticides	In-House No. G11 based on EPA
	Organochlorine Pesticides	EPA 525.3 (GCMS)
	Total Hardness as CaCO3	APHA-2340B
	Poly Aromatic Hydrocarbons	In-House No. G5 (based on World
	Polychlorobiphenyls(PCB)	In-House No. G2 based on EPA
	nC29 to nC35	None
	n-Tetracontane	None
	None	Method)
	Sulphite-reducing Anaerobes	ISO 6461/2: 1986
	Aluminium as Al	None
	None	None
	pH	APHA 4500-H + B, 21% Edition
	Trivalent Chromium	In-House Method SOP-0217-2029
	None	None
	Chloride as Cl	Suppression of Eluent Conductivity
	Conductivity	APHA 2510 B, 21% Edition

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 18 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Combined Chlorine as Cl ₂	APHA 4500-Cl G, 21st Edition 2005
	None	None
	Staphylococcus aureus	AOAC OMA 2003.08
	Chlorite (ClO ₂)	In House Method 6023, based on
	None	None
	None	None
	Mineral Oil	APHA 5520 F
	Fluoride	APHA C
	None	None
	Heterotrophic Plate Count	APHA 9215 D
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	126, based on Thermo Fisher Application Noted 154
	Phenol	APHA 6420C, 24" Edition
	None	In-house method SGS-TM-ENVI-W-
	Organochlorine Pesticide	APHA 6630B, 24" Edition
	Conductivity	APHA 2510 B
	None	Boiling Cell Method
	None	QIAGEN Mericon? Bacteria Kit
	None	spp. by Gel Electrophoresis
	None	monocytogenes by Gel
	None	Real Time Polymerase Chain
	and Escherichia coli count	9222 H
	Coliform and Escherichia coli	Presence/absence Technique
	pH	APHA 4500-H* B
	Colour	APHA 2120B
	Turbidity	APHA 2130B
	Free Chlorine	HACH Method No . 8021
	Ammonia as N	HACH Method No . 8038
	as Fe	HACH Method No . 8008
	Manganese as Mn	HACH Method No . 8149
	Fluoride as F	HACH Method No . 8029
	Aluminium as Al	HACH Method No . 8326
	pH	APHA 4500-H* B
	Colour	APHA 2120B
	Turbidity	APHA 2130B
	Free Chlorine	HACH Method No . 8021
	Ammonia as N	HACH Method No . 8038
	as Fe	HACH Method No . 8008
	Manganese as Mn	HACH Method No . 8149

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 19 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food	Fluoride as F	HACH Method No . 8029
	Aluminium as Al	HACH Method No . 8326
	Total Dissolved Solids	APHA 2540. C
	Total Dissolved Solids	APHA 2540. C
	None	and Sorbic Acid in Food by Direct
	Aerobic Plate Count	JKM 3010, FDA Bacteriological
	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)
	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)

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 20 of 31

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

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 21 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	Determination of Water Activity	JKM M 3082
	Yeast and Mould	JKM M 3084 -" Enumeration of Yeast
	Detection and Enumeration of Coliform Counts (Petrifilm)	JKM B 0201
		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

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 22 of 31

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

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 23 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	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:
	Gladiin Allergen ? Qualitative	In-house Method, Ref. No. MOH:

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 24 of 31

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

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 25 of 31

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,

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 26 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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:
Ground Water	Iron, Chromium, Calcium &	Determination of Metals by Atomic
	None	None
	None	None
	Magnesium	JKM E 0403 based on APHA 3112 B:
	None	Quality, 1997 Vol. 3
	Color (Hazen)	In-house Method No: STP/Chem/W01 Based on Merck
	Determination of Total	APHA 2540D, edition 2005
	None	None
	None	None
	None	None
	Total Suspended Solids (TSS)	APHA 2540 D
	Free Chlorine	HACH 8021, 9 Edition (2014)
	Mercury (Hg)	In-House Method TM/WEP/012 based on Agilent Application Note
	Polynuclear Aromatic	USEPA 3510C
	Pseudomonas aeruginosa	APHA 9213 F

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 27 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	None	None
	Tin	3120 B
	Magnesium	3120 B
	None	None
	Bacterial Endotoxins	BP 2018, Vol. XIV C, Method C:
	None	None
	pH	APHA 4500-H+ B
	None	None
	None	None
	Temperature	APHA - 2550B
	Fluoride as F	APHA - 4500F-B&D
	Cadmium as Cd	APHA - 3030 E & F (HNO ₃ or HNO ₂ -
	Barium as Ba	None
	Sodium as Na	None
	Nitrite as NO ₂	None
	Bromoform	None
	Dimethoate	None
	Gamma-lindane	None
	Acenaphthylene	None
	n-Dotriacontane	None
	(Refer Appendix II)	None
	Total Coliform	APHA - 9221B; 2017 (MPN Method)
	None	and APHA 3500 Cr B, Edition
	Acidity	APHA 2310 B, 2017
	None	None
	None	None
	None	None
	Bromate	S-170 & APHA 4110 B
	None	None
	Color (color units)	APHA 2120 C 2017
	Oil and Grease (Mineral)	APHA 5520 F, 2017
	Metals by Inductively Coupled Plasma	APHA 3120 B
	None	None
	Faecal Coliform	APHA 9222 D
	Lead	None
	None	None
	Endosulfan Hexachlorobenzene	None
	Cobalt	APHA 3120 B, Edition
	(Refer to Appendix 8 for the list of compounds)	Method 8260C: 2006
	BODs at 20°C	APHA 5210 B & G
	None	(Membrane Filtration Method)
	None	None

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation

NO: SAMM 232

Page: 28 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
Potable Water	Metals: Copper, Nickel, Zinc,	JKM E 0401 based on APHA 3111 B
	None	Reflux Method: Chemical Oxygen
	None	Ca D: Determination of Calcium/Calcium
	(0 -" 150 mg/L COD)	8328 -" Closed Reflux, Colorimetric
	Determination of Total Coliform	JKM M 020, Multiple Tube Method
	Intestinal Enterococci	Membrane Filtration Method
	None	Examination of Coliforms and
	pH Value	APHA 4500 H+
	Chloride	APHA 4110 B
	ICP (Na, Fe, Zn, Mn, Mg, Cu, Pb)	APHA 3120 B
	Turbidity	APHA 2130 B
	Sulphate	APHA 4110 B
	Oxidisability	APHA 4500 KMnO ₄ B (Spectrometric Method)
	None	None
	None	None
	Zinc (2n)	None
	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?
Surface Water	Lead, Cadmium, Manganese,	AAS Direct Air -" Acetylene Flame
	None	Demand
	None	hardness
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 29 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	& Faecal Coliform	WHO Guideelines for Drinking Water
	None	ISO 7899-2: 2002 (E)
	Total Coliform & Escherichia	JKM M 2040, In-house Method based
	None	Turbidity Meter
	Sulphide (1)	APHA F
	Calcium as Ca	None
	Iron	None
	Oil and Grease	APHA 5520B
	Escherichia coli	MS ISO 9308-1:2011 (Membrane Filtration Technique)
	None	None
	Phosphate	APHA 4500-P Method D, Stannous Chloride Method, Edition
	None	APHA 4500-NOs E, 22"4 Edition,
	None	None
	None	None
	Chromium	None
	None	None
	pH Value	APHA 4500-H* (APHA Method 21*
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	e Arsenic	None
	None	None
	None	Technique
	None	None
	None	Method Edition (2005)
	Alkalinity	APHA 2320 B Titration Method 21s
	None	Method by Discrete Analyzer
	Caustic Alkalinity as CaCO ₃	APHA - 2320B
	Barium as Ba	None
	None	(MPN Technique)
	Conductivity	APHA 2510 B, 2017
	Chlorate	Metrohm IC Application, Note No.
	None	Metrohm Technical Note
	Hydrocarbon	APHA 5520 F 2017
	Vanadium (V)	APHA 3120 B, 2017
	Free Carbon Dioxide (by calculation)	APHA 4500 CO ₂ D, 2017
	None	None
	None	APHA 2550 B, 2017
	Chromium, Cr	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 30 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	VOCs	EPA Method 5030B: 1996; EPA
	None	None
	None	None
	None	(Membrane Filter Technique)
	None	None
Treated Water	Coliform & Escherichia Coli	APHA, Part 9222A, Edition,
	Chlorine -" Total	HACH 8167 and HACH 10070,
	Phosphate	None
	None	None
	Ammonia	Selective Electrode Method
	Total Dissolved Solids as Sodium Chloride	In-house Method, AIR 001 based on Orion Star A112 Conductivity Meter Instruction Manual
	Detection and Identification of	JKM M 2032 (Membrane Filter
	None	None
	None	None
	None	None
	Detection and Identification of	JKM M2032, Membrane Filtration
	pH	HACH Method (Senslon + pH1)
	Aluminum	HACH Method No . 8326
	Detection of Coliform	Colilert Method (IDEXX)
	Copper (Cu)	None
	Aluminium as Al	None
	Potassium as K	None
	Chloroform	None
	Sulfotep	None
	Aplha-lindane	None
	2-Methylnaphthalene	2008) (GCMS)
	2-Chlorobiphenyl	525.3(GCMS)
	n-Nonacosane	None
	None	None
	Escherichia coli	APHA 9221G.2; 2017 (MPN
	(Clostridia) (100 ml)	None
	None	None
	Free Chlorine, High Range	HACH Method No . 10069
	Turbidity	APHA 2130 B
	pH	APHA 4500 - H*B
	Color	HACH Method No. 8025
	Chlorine, Free	HACH Method No. 8021
	Free Chlorine, High Range	HACH Method No. 10069
	Simultaneous Detection of Total	APHA 9223 B
Waste Water	Count	(2012)
	Coliform & Escherichia Coli	JKM M 2003, Most Probable Number,
	None	None
	Oil and grease	APHA 5520B: 2005
	None	None
	None	None

Schedule

Issue date: 26 March 2025
Valid Until: -



NO: SAMM 232

Page: 31 of 31

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	APHA 9222 (2017)
	Beta-BHC	None
	Total Suspended Solids	APHA - 2540D
	Mercury as Hg	APHA - 3112B
	Antimony as Sb	Coupled Plasma Optical Emission
	Chromium as Cr	None
	Bromide as Br	None
	Fecal Coliform	APHA - 9221E.1; 2017 (MPN
	Nitrate	APHA 4500 NOS 21° Edition
	None	(by Calculation)
	Formaldehyde	UHPLC based on EPA 1667 Rev. A
	None	APHA 3030 E & APHA 3030 F, 21%
	None	None
	None	None
	None	None
	liquor (MLSS)	None
	liquor (MLSS)	None

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3003884> for the current scope of accreditation