

NO: SAMM 951(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 1 of 17

LABORATORY LOCATION/ CENTRAL OFFICE:	OGC Miri Laboratory, Petrotechnical Inspection (Malaysia) Sdn. Bhd. Lot 3348 & 3349, Lorong 5-1, Off Jalan Dato Permaisuri 1C, Permy Technology Park Bandar Baru Permy Jaya, 98000 Miri, Sarawak , 98000, SARAWAK MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 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:	OGC Miri Laboratory, Petrotechnical Inspection (Malaysia) Sdn. Bhd. Lot 3348 & 3349, Lorong 5-1, Off Jalan Dato Permaisuri 1C, Permy Technology Park Bandar Baru Permy Jaya, 98000 Miri, Sarawak , 98000, 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
Condensate	None	None
	(BS&W)	None
	Density	ASTM D4052-18
	Saybolt Color	ASTM D156-15
	Reid Vapour Pressure	ASTM D323-20a
	Hydrogen Sulphide	UOP 163-87
	Mercury	UOP 938
Crude Oil	Acid Number of Petroleum Products by Potentiometric	ASTM D664

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement of SAMM 951 dated 14 October 2025)

Page: 2 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Density	ASTM D 5002-19
	Density @15 °C Relative Density (Specific Gravity) @60/60°F	ASTM D 1298 -" 12b (Reapproved 2017)
	Water	ASTM D 4928-12 (Reapproved 2018)
	Density and Relative Density	ASTM D 5002-19
	Water content	ASTM D 4928-12
	Salts in Crude Oil (Electrometric Method)	ASTM D3230
	Pour Point of Petroleum	ASTM D97
	Products	None
	Acid Number of Petroleum	ASTM D664
	Products by Potentiometric Titration	None
	Density, Relative Density or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	ASTM D1298
	Salts in Crude Oil (Electrometric Method)	ASTM D3230
	Pour Point of Petroleum Products	ASTM D97
	Acid Number of Petroleum Products by Potentiometric Titration	ASTM D664
	Density, Relative Density or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	ASTM D1298
Environmental Monitoring Effluent / Waste Water	pH Value	APHA 4500 H* B
	Density	In-House Method 002 based on ASTM D4052
	Total Suspended Solid	APHA 2540 D
	Iron (Fe)	APHA 3120 B
	Cadmium (Cd)	APHA 3120 B
	Arsenic (As)	APHA 3120 B
	Lead (Pb)	APHA 3120 B
	Copper (Cu)	APHA 3120 B
	Manganese (Mn)	APHA 3120 B
	Zinc (Zn)	APHA 3120 B
	Boron (B)	APHA 3120 B
	Nickel (Ni)	APHA 3120 B
	Oil & Grease	APHA 5520 B
Environmental Monitoring Water Formation Produced Sea Water	Chemical Oxygen Demand	APHA 5220 D
	Conductivity	APHA 2510 B
	Salinity	APHA 2520 B
	Total Dissolved Solids	APHA 2540 C
	Total Suspended Solids	APHA 2540 D
	pH Value	APHA 4500 H* B

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement of SAMM 951 dated 14 October 2025)

Page: 3 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Sulphate	APHA 4110 B
	Chloride	APHA 4110 B
	Bromide	APHA 4110 B
	Chloride	APHA 4500
	Sodium (Na)	APHA 3120 B
	Calcium (Ca)	APHA 3120 B
	Iron (Fe)	APHA 3120 B
	Barium (Ba)	APHA 3120 B
	Magnesium (Mg)	APHA 3120 B
	Strontium (Sr)	APHA 3120 B
	Potassium	APHA 3120 B
	Lithium (Li)	APHA 3120 B
	Boron (B)	APHA 3120 B
	Arsenic (As)	APHA 3120 B
	Manganese (Mn)	APHA 3120 B
	Density	In-House Method 002 Based on ASTM D4052
	Tetrakis (hydroxymethyl) phosphonium sulfate (THPS)	In-House Method 003 Based on Iodometry Titration
	Alkalinity (Total Alkalinity, Phenolphthalein Alkalinity, Hydroxide Alkalinity, Bicarbonate Alkalinity, Carbonate Alkalinity)	APHA 2320 B
Foods Food	Quaternary Ammonium Compound	In-House Method 005 based on HACH 8337
	Oil & Grease	APHA 5520 B
Microbiological Environmental Sample Water & Waste Water	(food)	ISO 7218:2007 / Amd. 1:2013 (E)
Petroleum & Petroleum	Total Coliform Count (Fermentation Technique)	APHA 9221 B
	Analysis of Natural Gas and pH Value	GPA 2261
	Density, Relative Density and	In-House Method 001 based on
	None	None
	None	None
	None	None
	None	None
	Aluminium	None
	None	None
Potable	(Total Alkalinity, Phenolphthalein Alkalinity, Hydroxide Alkalinity, None	APHA 2320 B
Products	None	None
	API Gravity of Crude Oils by	ASTM D5002
	Density, Relative Density of API	ASTM D4052
	Yield Strength	ASTM A370-21 (Section 7 to 14)
	None	on AOAC 925.45B
	None	None
	Butyric acid (C4:0) (cis)	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 4 of 17

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	on Mettler Toledo Ti-Note EasyPlus
	None	C (2008)
	None	None
	None	None
	Yeast & Mould	FDA-BAM Chapter 18 (Plate Count)
	None	None
	None	None
	None	None
	None	None
	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
	Dynamic Viscosity and Density 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 Zearala
	None	Spectrometry (WDXRF)

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004248> for the current scope of accreditation

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 5 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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' Edition (LAL Gel Clot
	None	None
	None	None
	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

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004248> for the current scope of accreditation

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 6 of 17

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

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 7 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	Salmonella	FDA BAM Chapter 5. 2020;
	(Alpha Tocopherol, Alpha Tocotrienol,	70, No. 12, December 1993/HPLC
	Beta Tocotrienol, Gamma Tocotrienol,	None
	Delta Tocotrienol)	None
	Phytosterols Content	EvTM_0008/HPLC
	(Sitosterol, Stigmasterol)	None
	Plant Squalene	EvTM_0007/HPLC
	Solvent Residue	EvTM_0005/GC Headspace
	(Hexane, Ethyl Acetate, Methanol,	None
	Isopropanol, Dichloromethane,	None
	Ethanol)	None
	Benzo A Pyrene	EvTM_0004, Based on AOCS Cd
	Benzo A Pyrene	21 - 91, 5 th Edition (2003)
	Moisture	AOCS Ca 2e - 84, Edition
	Moisture	(2003)
	Mixed Carotene	None
	Mixed Carotene	EvTM_0150/HPLC
	Solvent Residue	EvTM_0151/GC-HS
	(Hexane, Ethyl Acetate, Methanol,	None
	Isopropanol, Dichloromethane,	None
	Ethanol)	None
	Moisture	AOCS Ca 2e - 84, Edition
	Moisture	(2003)
	None	None
	2,6-Di-Tert-Butyl Hydroxytoluene	EvTM_0049/GC
	Tocotrienol, Beta Tocotrienol,	1993/HPLC
	Gamma Tocotrienol, Delta	None
	Tocotrienol)	None
	Benzo A Pyrene	EvTM_0114, Based on AOCS Cd
	Mixed Carotene	21-91, 5 th Edition (2003)
	Mixed Carotene	EvTM_0115/HPLC
	Lycopene Content	EvTM_0116/UV-VIS
	Plant Squalene	EvTM_0118/UV-VIS
	Phytosterols Content (Sitosterol,	EvTM_0124/HPLC
	Stigmasterol)	EvTM_0125/HPLC
	Solvent Residue (Hexane, Ethyl	EvTM_0126/GC HS
	Acetate, Methanol,	
	Isopropanol, Dichloromethane,	None
	Ethanol)	None

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004248> for the current scope of accreditation

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 8 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	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)
Products Glycol	None	ASTM D1287
Products Natural Gases	Similar Gaseous Mixtures by GC	None
Water Drinking	Color	APHA 2120 C
	Total Alkalinity	None

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004248> for the current scope of accreditation

NO: SAMM 951(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 9 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Water Drinking Potable	Conductivity	APHA 2510 B
	Total Dissolved Solids	APHA 2540 C
	pH Value	APHA 4500 H*B
	Chloride	APHA 4500 Cl- D
	Turbidity	APHA 2130 B
	Iron (Fe)	APHA 3120 B
	Aluminum (Al)	APHA 3120 B
	Sodium (Na)	APHA 3120 B
	Magnesium (Mg)	APHA 3120 B
	Copper (Cu)	APHA 3120 B
	Zinc (Zn)	APHA 3120 B
	Barium (Ba)	APHA 3120 B
	Boron (B)	APHA 3120 B
	Molybdenum (Mo)	APHA 3120 B
	Nickel (Ni)	APHA 3120 B
	Density	In-House Method 002 based on ASTM D4052
	Nitrogen (Ammonia)	APHA 4500-NH3F
	Chloride	APHA 4110 B
	Nitrate	APHA 4110 B
	Phosphate	APHA 4110 B
	Sulphate	APHA 4110 B

SCOPE OF TESTING : MICROBIOLOGY

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

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement of SAMM 951 dated 14 October 2025)

Page: 10 of 17

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

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement of SAMM 951 dated 14 October 2025)

Page: 11 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	Total Sugars	In-house method, SGS-TM-FOOD-
	Water activity	In-house method, SGS-TM-FOOD-
	None	None

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004248> for the current scope of accreditation

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 12 of 17

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

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 13 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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)
	Vibrio Species other than cholerae	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) 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 :

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 14 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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,
	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 Organophosphorus	Analysis of Organophosphorus
	Method: AOAC 2007.01	
	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

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/cab/samm-ct/3004248> for the current scope of accreditation

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 15 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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:
Foods	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
	None	None
	None	None
	Macrolides:	In-house Method, Ref. No. MOH D03-
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 16 of 17

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
	Nitrogen / Protein	AOCS Ac 4-91
	None	None
	None	None
	None	In-house Method, Ref. No. MOH E03-014, Determination of
	None	In-house Method, Ref. No. MOH E03-019, The 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
	None	None
	None	None
	None	None
	None	None
	None	None
	Metals	In-house method LWI-MFF 021

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 951

(Issue 1, 06 April 2025 replacement
of SAMM 951 dated 14 October 2025)

Page: 17 of 17

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
Microbiological Tests On	Enumeration of Coliform -" MPN	BS ISO 4831:2006,
	Enumeration of Escherichia coli	None

Scan this QR Code or visit <https://accreditation.ism.gov.my/public/listing/lab/samm-ct/3004248> for the current scope of accreditation