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of SAMM 590 dated 17 February 2017)

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LABORATORY LOCATION:
(PERMANENT LABORATORY)
MYTEST LAB SDN BHD
A-3-G, BLK. A, PUTRA WALK
JALAN PP25, TAMAN PINGGIRAN PUTRA
SEK. 2, BANDAR PUTRA PERMAI
43300 SERI KEMBANGAN
SELANGOR DARUL EHSAN
MALAYSIA
FIELD OF TESTING:**CHEMICAL AND MICROBIOLOGY**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2005 (ISO/IEC 17025:2005).

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).

SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Environmental Sample Water and Waste Water	pH	APHA 4500 H+ B, 21 st Edition
	Total Suspended Solids	APHA 2540 D, 21 st Edition
	BOD5	APHA 5210 B, 21 st Edition / APHA 4500 - OG
	COD	APHA 5220 C, 21 st Edition
	Oil and Grease	In-house method SOP-0217-2005 Based on APHA 5520 B, 21 st Edition
	Ammonical Nitrogen	APHA 4500-NH3 B & C, 21 st Edition
Waste Water	Phosphorus	APHA 4500-P E
	Nitrate	APHA 4500 NO ₃ E

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Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Renal Dialysis Water, Portable Water, Tap Water, Drinking Water	<ul style="list-style-type: none"> • Al • Sb • Ba • Be • Ca • Cd • Cu • Pb • Se • Ag • Tl • Zn • Mn • Fe • Na • Mg • K • Hg 	APHA 3126 21 st Edition
	Hardness	APHA 2340 B, 21 st Edition
	Fluoride	HACH Method 8029
	Nitrate	HACH Method 8171
	Sulphate	HACH Method 8051
	Total Chlorine	HACH Method 8167
	Free Chlorine	HACH Method 8021
	Cyanide	HACH Method 8027
	Color	APHA 2120 C, 21 st Edition
	Nitrate Nitrogen	HACH Method 8171
	Nitrite Nitrogen	HACH Method 8507
	Total Dissolved Solids	In-house Method SOP-0217-2018
	Alkalinity	APHA 2320 B, 21 st Edition
	Turbidity	APHA 2130 B, 21 st Edition

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SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Food Cereal, Flour, Nuts, Cocoa Products, Confectionary, Process Meat	Fat	In-house Method SOP-0217-1008
Fruit Juice, Sauce, Soft Drink, Jam, Preserved Fruits	Benzoic Acid Sorbic Acid	In-house Method SOP-0217-1004
Tea & Tea Products, Coffee & Coffee Products Beverages	Caffeine	In-house Method SOP-0217-1005
Spices, Cocoa Powder, Corn Flour, Animal Feed	Moisture	In-house Method SOP-0217-1002
Tea, White Bread, Condensed Milk, Milk Powder, Corn Flour, Spices, Cocoa Powder, Nuts	Ash	In-house Method SOP-0217-1001
Process Food	Coloring (Tartrazine, Sunset Yellow, Brilliant Blue, Carmosine, Allure Red, Ponceau 4R)	In-house Method SOP-0217-1006
Juices, Cocoa Powder, Corn Flour, Sauce	pH	In-house Method SOP-0217-1003
Juices, Soft Drinks, Spices	Sulphur Dioxide (Titration)	AOAC 990.28
Food	Total Sugar (Titration)	AOAC 968.28
Oil & fats	FFA	AOCS Ac5-41
	Peroxide Value	AOCS Cd 8-53 / AOAC 965.33
	Kries Test (Rancidity)	In-house Method SOP-0217-1012 Based on Pearson's Composition and Analysis of Food, 9 th Edition 1991 Page 641-642
Water Portable Water RO Water Domestic Water Drinking Water	Detergent Phenol Chloride Ammonia	HACH Method 8028 HACH Method 8047 HACH Method 8113 HACH Method 8155

Scan QR Code or visit www.ism.gov.my/cab-directories for the current scope of accreditation**Signatory:**

1. Lee Tai Wai

IKM No.: L/1398/4521/04

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Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Domestic Water	Temperature	APHA 2550 B
	pH	APHA 4500-H + B
	Turbidity	APHA 2130 B
Cosmetic & Toiletries	Hydroquinone	In-house Method SOP-0217-3001 by UHPLC
	Tretinoin	In-house Method SOP-0217-3002 by UHPLC
Food Soft Drink, Juices & Tea Leaf	Vitamin C	In-house Method SOP-0217-1015 by UHPLC
Meat & Meat Products, Bird Nest	Nitrate, Nitrite	In-house Method SOP-0217-1014
Meat & Meat Products, Fish & Fish Products, Frozen Food, Processed Food	Arsenic	In-house Method SOP-0217-1017
	Mercury	In-house Method SOP-0217-1018
	Antimony, Cadmium, Lead, Tin, Potassium, Sodium, Iron, Calcium, Magnesium, Copper, Zinc	In-house Method SOP-0217-1019
Pharmaceutical Products and Traditional Herbal Products	Arsenic	In-house Method SOP-0217-1017
	Mercury	In-house Method SOP-0217-1018
	Antimony, Cadmium, Lead, Tin, Potassium, Sodium, Iron, Calcium, Magnesium, Copper, Zinc	In-house Method SOP-0217-1016
Drink, Noodle	Boron	In-house Method SOP-0217-1020
Waste Water & Soil	Arsenic	APHA 3114 C
	Mercury	APHA 3112 B
	Cadmium, Lead, Copper, Manganese, Nickel, Tin, Zinc, Iron, Silver	APHA 3111 B
	Aluminium, Barium	APHA 3111 D
	Selenium	APHA 3500 Se
	Boron	APHA 30125 B
Waste Water		APHA 3030E & APHA 3030F (Sample Preparation)

Schedule

Issue date: 10 August 2017
Valid until: 5 April 2019



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SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Soil	Arsenic, Mercury, Cadmium, Lead, Copper, Manganese, Nickel, Tin, Zinc, Iron, Silver, Aluminium, Barium, Selenium, Boron	EPA 3050 B (Sample Preparation)
Hemodialysis Water	On-site Sampling	SOP-0222-2002 ANSI/AAMI/ISO 2500: 2011

Signatory:

1. Lee Tai Wai

IKM No.: L/1398/4521/04

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Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Food Meat & Meat Products Fish & Fish Products Milk & Milk Products Beverages & Soft Drinks	Total Plate Count (Aerobic Plate Count)	FDA/BAM Chapter 3, Jan 2001
	Coliforms (Enumeration of the California Bacteria)	FDA/BAM Chapter 4, Sept 2002
	<i>Escherichia coli</i> (Enumeration of <i>Escherichia coli</i>)	FDA/BAM Chapter 4, Sept 2002
	<i>Salmonella</i>	FDA/BAM Chapter 5, Nov 2011
	<i>Staphylococcus aureus</i>	FDA/BAM Chapter 12, Jan 2001
	Yeasts and Moulds	FDA/BAM Chapter 18, April 2001
	Total Coliform Count	AOAC 966.24, 2005
	Total <i>Escherichia coli</i> Count	AOAC 966.24, 2005
	<i>Bacillus cereus</i>	FDA/BAM Chapter 14, Jan 2001
	<i>Listeria</i>	FDA/BAM Chapter 10, April 2001
	<i>Vibrio parahaemolyticus</i>	FDA/BAM Chapter 9, May 2004
	<i>Lactobacillus</i>	Merck Microbiology Manual 12 th Edition
	<i>Clostridium perfringens</i>	FDA/BAM Chapter 16, Jan 2001
	<i>Shigella</i>	FDA/BAM Chapter 6, Feb 2013
Renal Dialysis Water	Total Viable Microbial Count	APHA 9215 B, 21 st Edition
	Endotoxin	Kinetic-turbidimetric Method, Chapter 85, USP 2007
Pharmaceutical Samples	Total Aerobic Microbial Count	Appendix XVI B.2, Harmonized Method, BP 2011
	Total Yeast Mount Count	Appendix XVI B.2, Harmonized Method, BP 2011

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Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Pharmaceutical & Cosmetic Products	Bile-tolerant Gram Negative Bacteria <i>Candida albicans</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i>	BP 2012, Appendix XVI B
Water	Coliform <i>Escherichia coli</i> Fecal Streptococci <i>Pseudomonas aeruginosa</i> Total Plate Count (Heterotrophic Plate Count) <i>Staphylococcus aureus</i> <i>Legionella sp.</i> <i>Clostridium perfringens</i>	APHA 9221 B APHA 9221 B APHA 9230 C APHA 9221 E APHA 9215 APHA 9213 D AOAC 2000 ISO 14189: 2013
Surface	Coliform TPC <i>Escherichia coli</i>	Compendium of Methods for the Microbiology Examination of Foods, Chapter 3, 3 rd Edition
Air Monitoring (Agar Plate)	Total Plate Count, Yeast & Mould <i>Aspergillus brasiliensis</i>	In-house Method SOP-0122-003 Based on Mas-100 Eco, Merck Microbiology Manual 12 th Edition In-house Method SOP-0122-004

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1. *Tay Soiw Wei
2. Loshnie A/P Samuagam

*Non-resident