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NO: SAMM 627

LABORATORY LOCATION/ CENTRAL OFFICE:	Pusat Analisis dan Sekuriti Makanan, DBKL Pasar Borong Kuala Lumpur, KM 12, Jalan Ipoh, Selayang, 68100 Kuala Lumpur , 68100, WILAYAH PERSEKUTUAN KUALA LUMPUR 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:	Pusat Analisis dan Sekuriti Makanan, DBKL Pasar Borong Kuala Lumpur, KM 12, Jalan Ipoh, Selayang, 68100 Kuala Lumpur , 68100, Wilayah Persekutuan Kuala Lumpur
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**
Bakery Products	Determination of Propionic Acid in	FQL-TM-FA204 In-House Method
	Bakery Products by GC-FID	based International Food on
	Bakery Products by GC-FID	Research Journal 17: 1107-1112
	Bakery Products by GC-FID	(2010)
Beverages	Sorbic Acid in Food by Ultra High	based on AOAC Official Method
	Performance Liquid Chromatography	983.16, Benzoic Acid and Sorbic
	Performance Liquid Chromatography	Acid in Food, AOAC International,
	Performance Liquid Chromatography	2005
	Determination of caffeine in Soft	In-house method FQL-TM-FA202

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Drink by Ultra High Performance	based on Ashoor et. Al. J. Assoc.
	Liquid Chromatography	Off. Anal. Chem. Vol.66, No.3,
	Liquid Chromatography	1983
Coffee Products	Determination of Caffeine Content in	FQL-TM-FA203 In-House Method
	Coffee Products by Ultra High	based AOAC OFFICIAL on
	Performance Liquid Chromatography	979.11 Caffeine in
	Performance Liquid Chromatography	Roasted Coffee
Foods, Soft Drinks And	Determination of Benzoic Acid and	In-house method FQL-TM-FA201
Fruits And Vegetables	Determination of Organochlorine	FQL-TM-PR101. In-House
	Pesticide Residues in Fruits and	Method based on Journal of
	Vegetables by GC-yECD:	Environmental Science and
	Vegetables by GC-yECD:	Health Part B (2007) Modified
	Aldrin	QuEChERS Method.
	Alpha Endosulfan	None
	Alpha HCH	None
	Beta Endosulfan	None
	Chlordane	None
	Chlorfenapyr	None
	Chlorpyrifos	None
	Chlorothalonil	None
	pp-DDD	None
	10 op-DDE	None
	11 pp-DDE	None
	12 op-DDT	None
	13 pp-DDT	None
	14 Delta HCH	None
	15 Dieldrin	None
	16 Endosulfan Sulfate	None
	17 Endrin	None
	18 Hexachloro Benzene (HCB)	None
	19 Heptachlor	None
	20 Heptachlor Endo Epoxide	None
	21 Lindane	None
	22 Methoxychlor	None
	23 Mirex	None
	24 Metolachlor	None
	25 Quintozene	None
	Determination of Synthetic	FQL-TM-PR102. In-House Method
	Pyrethroid Residues in Fruits and	based on Journal of Environmental
	Vegetables by	Science and Health Part B (2007)
	Vegetables by	Modified method.
	Beta Cyfluthrin	None
	Bifenthrin	None
	Cypermethrin	None
	Deltamethrin	None

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Fenvalerate	None
	Lambda Cyhalothrin	None
	Permethrin	None
	Determination Fungicide in Fruits	FQL-TM-PR103. In-House Method
	and Vegetables by	based on Journal of Environmental
	and Vegetables by	Science and Health Part B (2007)
	1 Trifloxystrobin	Modified QUEChERS method.
	Dithiocarbamates (expressed as	In-house Method, Ref. No. MOH
	Synthetic Pyrethroid (4 analytes)	In-house Method, Ref. No. MOH

SCOPE OF TESTING : MICROBIOLOGY

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

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Analysis of OrganophosphorusMethod: AOAC 2007.01 Analysis of Organophosphorus	Analysis of Organophosphorus
	Total Plate Count (TPC)	FDA Food and Drug =
	Aerobic Plate Count	AOAC Official Method 990.12 Aerobic
	Bacillus cereus	ISO 7932:2004 (E) Microbiology of Food
	Yeast and Mold	AOAC Official Method 2014.05
	Enumeration of	MOH Based on AOAC
	Enumeration of Mesophilic	MOH MMEF Part 4 Section
	Campylobacter spp	MOH (1): ISO 10272-
	Gram Negative Pathogens	In-house Method, Ref. No. MOH RO3-
	Boric Acid	In-house Method, Ref. No. MOH
	Water Soluble Colours	In-house Method, Ref. No. MOH
	Moisture	In-house Method Ref. No. MOH J03-
	Ash	MOH Determination Of Ash
	1) Antimoni	MOH The Determination of
	Water Activity	In-House Method MOH J03-049:
	Soluble Solid	In-House Method MOH J03-018:
	Mercury	In-House Method MOH H03-015:
	Acrylamide	In-House Method MOH NO3-015: