

Schedule


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LABORATORY LOCATION/ CENTRAL OFFICE:	ALS Technichem (M) Sdn Bhd, Shah Alam Wisma ALS, No. 21, Jalan Astaka U8/84 Bukit Jelutong, , 40150, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	28 NOVEMBER 2024
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGICAL GENETICALLY MODIFIED ORGANISM (GMO) NUCLEIC ACID

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:	ALS Technichem (M) Sdn Bhd, Shah Alam Wisma ALS, No. 21, Jalan Astaka U8/84 Bukit Jelutong, , 40150, Selangor
FIELD(S) OF TESTING :	CHEMICAL, MICROBIOLOGICAL, GENETICALLY MODIFIED ORGANISM (GMO), NUCLEIC ACID

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Continuous Air Emission	Quality Assurance in CEMS Audit Program	In House Method QWI-SP21-030 using Horiba Portable Automated Measuring System PG-350 P-AMS

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Air	Acrylonitrile Butadiene Styrene, Polyamide, Butadiene Rubber, Polycarbonate, Polyethylene, Polyethylene Terephthalate, Polymethyl Methacrylate, Polypropylene, Polystyrene, Polytetrafluoroethylene, Polyurethane, Polyvinyl Chloride, Rayon	In House Method QWI-OG/17-071 using micro-FTIR *EXTEND MATERIALS/PRODUCTS TESTED*
	Acrylonitrile Butadiene Styrene, Nylon-6, Nylon-6,6, Butadiene Rubber , Polycarbonate, Polyethylene, Polyethylene Terephthalate, Polymethyl Methacrylate, Polypropylene, Polystyrene, Polytetrafluoroethylene , Polyurethane, Polyvinyl Chloride, Styrene Butadiene Rubber	In House Method QWI-OG/17-072 using Py-GC-MS *EXTEND MATERIALS/PRODUCTS TESTED*
	n-Hexane, 1,4-Dioxane	USEPA TO-17
Ambient Air	Formaldehyde, Acetaldehyde, Aerolein	TO-11A, NIOSH 2016
	Phenol	OSHA 32
	2-propyl mercaptan, t-butyl mercaptan, n-butyl mercaptan, 2,5-dimethyl thiophene, Dimethyl Disulfide, Total Reduced Sulfur (TRS)	In-house Method QWI-OG/17-077 based on ASTM D 5504-12 & VOA S307M_SCD Rev 17.0 (Analysis of Reduced Sulfur Compound in Gaseous Matrix by GC SCD as per ASTM D 5504 and Modified SCAQMD 307 (QWI ALS Simi Valley) *EXTEND TYPE OF TESTS/ PROPERTIES MEASURED/ RANGE OF MEASUREMENT*
Urine	Benzene, Toluene, Ethyl Benzene, m-xylene, p-xylene, o-xylene, MTBE	USEPA TO-15A *EXTEND TYPE OF TESTS/ PROPERTIES MEASURED/ RANGE OF MEASUREMENT*
	Trichloroacetic acid	In House Method QWI-OG/17-092 based on NIOSH 8322
	1,6 Hexamethylene Diisocyanate diamine (HDI), Toluene Diisocyanate diamine (TDI)	In House Method QWI-OG/17-091
Urine	Toluene, BTEX, THF, MEK, Acetone	In House Method QWI-OG/17-093

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Drinking Water, Air And River Water	Acrylonitrile Butadiene Styrene, Polyamide, Butadiene Rubber, Polycarbonate, Polyethylene, Polyethylene Terephthalate, Polymethyl Methacrylate, Polypropylene, Polystyrene, Polytetrafluoroethylene, Polyurethane, Polyvinyl Chloride, Rayon	In House Method QWI-OG/17-071 using micro-FTIR. *EXTEND MATERIALS/PRODUCTS TESTED*
Drinking Water, River Water	Acrylonitrile Butadiene Styrene, Nylon-6, Nylon-6,6, Butadiene Rubber , Polycarbonate, Polyethylene, Polyethylene Terephthalate, Polymethyl Methacrylate, Polypropylene, Polystyrene, Polytetrafluoroethylene , Polyurethane, Polyvinyl Chloride, Styrene Butadiene Rubber	In House Method QWI-OG/17-072 using Py-GC-MS *EXTEND MATERIALS/PRODUCTS TESTED*
Milk And Milk Products, Sweetening Substance, Edible Oil, Sauce, Soft Drink	Specific Gravity, Density & Bulk Density	In-house Method QWI-OF/17-145 based on AOAC 932.14, AOAC 945.06 and 2.9.34 Eur Phar. 7.0 using pycnometer and graduated cylinder
Fish And Fish Products	Total Volatile Basic Nitrogen (TVBN)	In-house Method QWI-OF/17-182 based on Official Journal of the European Communities No. L97/85 Annex II
Meat	Moisture	In-house Method QWI-OF/17-007 based on AOAC 927.05, 920.115, 934.06, 969.38, 930.15 by Gravimetry *EXTEND MATERIAL/PRODUCTS TESTED*
	Moisture	In-house Method QWI-OF/17-038 Moisture Analyzer *EXTEND MATERIAL/PRODUCTS TESTED*
	Ash	In-house Method QWI-OF/17-002 based on AOAC 900.02, 921.181, 920.117 by Gravimetry *EXTEND MATERIAL/PRODUCTS TESTED*

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Sodium Chloride (Salt)	In-house Method QWI-OF/17-024 based on AOAC 960.29, Pearson's Composition & Analysis of Food 9th Ed. (1991) pg.14 *EXTEND MATERIAL/PRODUCTS TESTED*
Cereal, Confection, Meat, Egg, Vinegar, Milk, Nuts And Fish Products	Sulphur Dioxide/Sulphite	In-house Method QWI-OF/17-023 based on AOAC 892.02 and GB5009.34-2016 using Iodometric Titration *EXTEND MATERIAL/PRODUCTS TESTED*
Cereal, Confection, Sweetening Substance, Milk, Sauces, Vegetables, Tea And Coffee	Vitamin D3 & Vitamin D2	In-house Method QWI-OF/17-066 based on AOAC 995.05 *EXTEND TYPE OF TESTS/ PROPERTIES MEASURED/ RANGE OF MEASUREMENT* for Vitamin D2*

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Beverages cereal Products cocoa And Cocoa Products dairy Products edible Fats And Oils egg And Egg Products fish, Crustaceans And Mollusks food Additives Meat And Meat Products Mixed Ready-to-eat Foods Nutritional Supplements nuts, Fruits And Vegetables and Derived Products sauces, Herbs, Spices And Condiments sweetening Substance	Total Coliform Count	FDA-BAM Online, Chapter 4 (Pour Plate Technique)
	Total Escherichia coli Count	FDA-BAM Online, Chapter 4 (Pour Plate Technique)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Beverages dairy Products egg And Egg Products mixed Ready-to-eat Foods nutritional Supplements sauces, Herbs, Spices And Condiments	Lactobacillus Count, Lactic Acid Bacteria Count	ISO 15214
Dairy Product herbs And Spices cereal Products edible Fats And Oils beverages gelatin And Food Gums food Additives	Escherichia coli detection	ISO 7251
Recreational Water, Potable Water, Industrial Water, Reverse Osmosis Water	Total Yeast and Mould Count	APHA 9610 B (Pour Plate Technique)
	Total Yeast and Mould Count	APHA 9610 D (Membrane Filtration Technique)

SCOPE OF TESTING : GENETICALLY MODIFIED ORGANISM (GMO)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Cosmetics	Porcine DNA	In House Method QWI-NA/17-001 using Real Time PCR *EXTEND MATERIAL/PRODUCTS TESTED*
Gelatin	Buffalo DNA	In House Method QWI-NA/17-017 using Real Time PCR *EXTEND MATERIAL/PRODUCTS TESTED*

SCOPE OF TESTING : NUCLEIC ACID

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Food, Swab	Listeria monocytogenes	In House Method QWI-NA/17-051 using Real Time PCR
Cosmetics	Porcine DNA	In House Method QWI-NA/17-001 using Real Time PCR *EXTEND MATERIAL/PRODUCTS TESTED*
Gelatin	Buffalo DNA	In House Method QWI-NA/17-017 using Real Time PCR *EXTEND MATERIAL/PRODUCTS TESTED*

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