


Schedule

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LABORATORY LOCATION/ CENTRAL OFFICE:	Wechem Solution Sdn Bhd 45, Jalan Anggerik Vanilla AB 31/AB Seksyen 31, Kota Kemuning 40460, Shah Alam, Selangor , 40460, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	10 FEBRUARY 2026
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:	Wechem Solution Sdn Bhd 45, Jalan Anggerik Vanilla AB 31/AB Seksyen 31, Kota Kemuning 40460, Shah Alam, Selangor , 40460, Selangor
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
Agricultural Products And Materials Compost	Total Nitrogen	In-house test method TM-CR-02-002 CN Analyzer (Combustion)
	Total Carbon	In-house test method TM-CR-02-003 CN Analyzer (Combustion)
	Ash	In-house method TM-CR-03-003 (Based on MS 417: Part 2)
	Moisture	In-house method TM-CR-03-002 (Based on MS 417: Part 2)
	pH	In-house method TM-CR-03-005 (Based on MS 2457)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	
	Phosphorous (P)	In-house Method TM-CR-05-002 based on MS 417: Part 4	
	Potassium (K)	In-house Method TM-CR-05-003 based on MS 417: Part 5 & AAS	
	Magnesium (Mg)	In-house Method TM-CR-05-004 based on MS 417: Part 6	
Compost	Boron (B)	In-house method TM-CR-07-001 based on MS 417: Part 7 Azomethine method & UV	
	Zinc (Zn) Iron (Fe) Manganese (Mn) Copper (Cu)	In-house method TM-CR-04-005 based on USEPA 3050B: Sample Preparation & MS 677: Part VI-VII: Sample Analysis & AAS	
	Calcium (Ca)	In-house method TM-CR-04-003 based on MS 417: Part 8 & AAS	
Plant / Foliar / Rachis	Total Nitrogen	In-house method TM-CR-02-002 CN Analyzer (Combustion)	
	Total Carbon	In-house method TM-CR-02-003 CN Analyzer (Combustion)	
	Ash	In-house method TM-CR-03-003 based on MS 417: Part 2	
	Moisture	In-house method TM-CR-03-002 based on MS 417: Part 2	
	pH	In-house method TM-CR-03-005 based on MS 2457	
	Phosphorous (P)	MS 677: Part IV & UV	
	Potassium (K)	MS 677: Part V & AAS	
	Boron (B)	In-house method TM-CR-07-001 based on MS 417: Part 7 Azomethine method & UV	
	Zinc (Zn) Iron (Fe) Manganese (Mn) Copper (Cu)	In-house method TM-CR-04-005 based on USEPA 3050B: Sample Preparation & MS 677: Part VI-VII Sample Analysis & AAS	
	Calcium (Ca)	MS 677: Part VI & AAS	
	Magnesium (Mg)	MS 677: Part VII & AAS	
	Fertilizer	pH	MS 417: Part 8: 1997 / AAS
		Moisture	MS 417: Part 2
Total Phosphorus (as P ₂ O ₅)		MS 417: Part 4 & UV	
Water Soluble Phosphorus (as P ₂ O ₅)		MS 417 Part 4 & UV	
Calcium (as CaO)		MS 417: Part 8 & AAS	
Total Magnesium (as MgO)		MS 417: Part 6 & AAS	
Total Boron (as B ₂ O ₃)		MS 417: Part 7 Azomethine method & UV	
Total Nitrogen (N)		In-house test method TM-CR-02-002 CN Analyser (Combustion)	

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Carbon (C)	In-house test method TM-CR-02-003 CN Analyser (Combustion)
	Total Potassium (as K ₂ O)	MS 417: Part 5 & AAS
Soil	pH	In-house method TM-CR-03-005 based on MS 2457
	Total Nitrogen (N)	In-house test method TM-CR-02-002 CN Analyser (Combustion)
	Total Carbon (C)	In-house test method TM-CR-02-003 CN Analyser (Combustion)
	TOC/ Organic carbon	In-house method TM-CR-02-003 CN Analyzer (Combustion)
Foods Vegetables/ Acidified Foods Beverages And Beverage Materials/ Brewing Sugars/ Syrups Cacao Bean And Its Products Grains/ Flour Baked Goods/ Breads	pH	AOAC 981.12 AOAC 945.27 AOAC 945.27 AOAC 970.21 AOAC 943.02 AOAC 945.42
Food (dispersible In Water)	Fat	In-house Method TM-FD-005 based on Pearson's Composition and Analysis of Food, 1991 & AOAC Official Method 989.05
Food	Ash	AOAC 945.46 AOAC 923.03 AOAC 972.15
	Moisture	AOAC 925.10
	Protein	In-house method TM-FD-004 with reference to LECO CN Analyser manual & AOAC References for Conversion Factors
	Carbohydrate (by calculation)	In-house method TM-FD-006: Method of Analysis for Nutrition Labeling, (1993), Chapter 6 Page 106; FDA Guideline, Part 101 - Food Labelling
	Fibre (Crude)	In-house method TM-FD-007 based on Pearson's Composition and Analysis of Food, 1991 and AOAC 962.09
	Total Dietary Fibre	In-house method TM-FD-008 based on (Enzymatic -Gravimetric Method AOAC 985.29)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Calories (by calculation)	In-house method TM-FD-009 based on Method of Analysis for Nutrition Labeling, (1993), Chapter 1 page 5 and Food Regulations 1985

SCOPE OF TESTING : MICROBIOLOGICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Foods - Dairy Products - Meat And Meat Products - Fish, Crustaceans, And Molluscs - Poultry And Poultry Products - Eggs And Egg Products - Vegetables And Vegetable Products - Fruit, Jams And Other Fruit Products - Fruit Juices And Concentrates - Sugar Products, Honey And Confectionery - Beverages - Herbs And Spices - Sponge -“ Environmental Sample	Aerobic Plate Count	AOAC Official Method 990.12
	Coliform and Escherichia coli Count	AOAC Official Method 991.14
	Enumeration of Enterobacteriaceae	AOAC Official Method 2003.01
	Enumeration of Staphylococcus Aureus	AOAC Official Method 2003.07
	Yeast and Mold Count	AOAC Official Method 2014.05
	Detection of Salmonella	AOAC Official Method 2014.01