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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	ESTATES RESEARCH AND ADVISORY SERVICES (ERAS) LABORATORY, RISDA ESTATED SDN. BHD. No 8 Persiaran Institusi 43000 Kajang, Selangor , 43000, SELANGOR MALAYSIA
	
<b>ACCREDITED SINCE :</b>	28 OCTOBER 2003
<b>FIELD(S) OF TESTING:</b>	CHEMICAL

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).

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<b>FIELD(S) OF TESTING :</b>	CHEMICAL,

**SCOPE OF TESTING : CHEMICAL**

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<b>Agricultural Products And Materials</b> Fertilizers	Determination of Moisture Content	MS 417: Part 2: Clause 3, Method I: 1994 / Oven
	Determination of Total Phosphorus	MS 417: Part 4: Clause 5: 1994 / Spectrophotometer
	Determination of Total Magnesium	MS 417: Part 6: Clause 5: 1994 / Atomic Absorption Spectrophotometer
	Determination of Calcium	MS 417: Part 8: Clause 5: 1994 / Atomic Absorption Spectrophotometer
	Determination of Total Phosphorus, Potassium, and Magnesium	In-House Method: ICP-OES-01

# Schedule

Issue date: 25 September 2023  
Valid Until: 28 October 2028



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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of Nitrogen	In-House Method: Elemental Analyzer-04
<b>Agricultural Products And Materials</b> Soils	Determination of Soil pH	MS 678: Part I - V: Part I, Soil pH: 1980 / pH Meter
	Determination of Organic Carbon	MS 678: Pt I - V: Part III, Organic Carbon: 1980 / Erlenmeyer Flask
	Determination of Exchangeable Calcium	MS 679: Part I - V: Part IV, Clause 4, 1980 / Atomic Absorption Spectrophotometer
	Determination of Exchangeable Magnesium	MS 679: Part I - V: Part IV, Clause 5, 1980 / Atomic Absorption Spectrophotometer
	Preparation of Exchangeable Cations	In-House Method, Preparation of Exchangeable Cations
	Determination of Exchangeable Cations (K, Na, Ca, Mg)	In-House Method: ICP-OES-02
	Determination of Nitrogen	In-House Method: Elemental Analyzer-05
<b>Agricultural Products And Materials</b> Plant Materials	Preparation of Leaves for Analysis	MS 677: Pt I - VIII: Part I: 1980
	Ashing and Preparation of Ash Solution	MS 677: Pt I - VIII: Part 2: 1980
	Determination of Phosphorus	MS 677: Pt I - VIII: Part IV: 1980 / Spectrophotometer UV/ VIS
	Determination of Calcium	MS 677: Pt I - VIII: Part VI: 1980 / Atomic Absorption Spectrophotometer
	Determination of Magnesium	MS 677: Pt I - VIII: Part VII: 1980 / Atomic Absorption Spectrophotometer
	Determination of Phosphorus, Potassium and Magnesium	In-House Method: ICP-OES-03
	Determination of Nitrogen	In-House Method: Elemental Analyzer-06

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