

# CERTIFICATE OF ACCREDITATION

## **FARMING AND ENGINEERING SERVICES LIMITED T/A AGRILAB**

*Malawi Registrar of Companies, Companies Act (Cap. 46:03), Registration Number 6008*

**Facility Accreditation Number: TEST-5 0059**

is a SADCAS accredited Testing Laboratory  
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,  
Annexure "A", bearing the above accreditation number for

### **CHEMICAL ANALYSIS**

*The facility is accredited in accordance with the recognized International Standard*

### **ISO/IEC 17025:2017**

*The accreditation demonstrates technical competency for a defined scope and the operation  
of a laboratory quality management system*

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and  
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States  
as a multi-economy accreditation body*

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**Mrs Maureen P Mutasa**  
**SADCAS Chief Executive Officer**

**Effective Date (Issue No: 1): 31 March 2021**  
**Certificate Expires: 30 March 2026**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### CHEMICAL ANALYSIS

Laboratory Accreditation Number: **TEST-5 0059 (ISO/IEC 17025:2017)**

<p><b><u>Permanent Address of Laboratory</u></b> Farming and Engineering Services Limited T/A Agrilab Kaohsiung Road, Top Mandala Blantyre Malawi</p> <p><b><u>Postal Address</u></b> P O Box 918 Blantyre Malawi</p> <p><b><u>Tel</u></b> : +265 187 9099 <b><u>Cell</u></b> : +265 88 119 6272 <b><u>Fax</u></b> : +265 181 2088 <b><u>Email</u></b> : <a href="mailto:ssimbota@agrilabmw.com">ssimbota@agrilabmw.com</a></p>		<p><b><u>Technical Signatories</u></b> : Ms M Subili (All methods) Mr B Shano (AGRI 045, AGRI 074, AGRI 75, AGRI 076 &amp; AGRI 025) Mr G Mwausegha (All methods, except AGRI 051) Mr S Simbota (All methods) Dr A Munian (All methods) Mr W Malton (All methods, except AGRI 051) Mr A Nkhota (All methods, except AGRI 051)</p> <p><b><u>Nominated Representative</u></b> : Mr S Simbota</p> <p><b><u>Issue No</u></b> : 05 <b><u>Date of Issue</u></b> : 22 May 2024 <b><u>Expiry Date</u></b> : 30 March 2026</p>
<b>MATERIALS/PRODUCTS TESTED</b>	<b>TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT</b>	<b>STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED</b>
Soil	Electrical Conductivity pH (Water Extraction) pH (CaCl <sub>2</sub> extraction) pH (KCl extraction) Pesticide Residue in Soil Phosphorus (P) – Bray 1 Extraction Phosphorus (P) – Bray 2 Extraction Al, B, Cr, Cu, Fe, Mn, Ni, Pb and Zn Ca, K, Mg, Na & S by Ammonium Acetate Extraction Boron (B) by Hot Water Extraction Inorganic Carbon Cu, Fe, Mn & Zn by Ambic 1 Extraction Particle Size Distribution Total Carbon & Total Nitrogen	AGI 046 - Electrical Conductivity Meter AGRI 045 – pH Meter AGRI 074 – pH Meter AGRI 075 – pH Meter AGRI 51 – LCMS/MS GC/MS AGRI 015 – Segmented Flow Analyser AGRI 016 – Segmented Flow Analyser AGRI 010 - ICP/OES AGRI 009 - ICP/OES  AGRI 014 – Segmented Flow Analyser AGRI 013 - Combustion Analyser AGRI 011 – ICP/OES AGRI 025 – PSD Analyser AGRI 012 – Combustion Analyser
Water	pH & Conductivity  B, Ca, Cu, Fe, K, Mg, Mn, Na and Zn	AGRI 076 – pH & Electrical Conductivity Meter AGRI 073 – ICP/OES

## ANNEXURE A

Laboratory Accreditation No: TEST-5 0059 (ISO/IEC 17025:2017)

Issue No: 05

Date of Issue: 22 May 2024

Date of Expiry: 30 March 2026

<b>MATERIALS/PRODUCTS TESTED</b>	<b>TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT</b>	<b>STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED</b>
Plant Materials	Total Carbon & Nitrogen Determination of Al, B, Ca, Cu, Fe, K, Mg, Mn, P, S, Si and Zn Pesticide residue in Soil and Leaf	AGRI 042 – Combustion Analyser AGRI 010 – ICP/OES  AGRI 051 – LCMS/MS GC/MS
Fertilizers	Total Nitrogen Acid-soluble phosphorus (P) Water-soluble potassium (K) B, Ca, Cr, Cu, Ni, Pb, S and Zn Moisture content	AGRI 042 - Combustion Analyser AGRI 040 – ICP/OES AGRI 040 – ICP/OES AGRI 039 – ICP/OES AGRI 035 – Combustion Moisture Analyser

Original date of accreditation: 31 March 2021

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**Pinkie J Malebe**  
**SADCAS Technical Manager**