

CERTIFICATE OF ACCREDITATION

BETACH PTY LIMITED LABORATORY

Company Registration No. BW00001541872

Facility Accreditation Number: TEST-5 0074

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*

Mrs Pinkie J Malebe
For Chief Executive Officer

Effective Date (Issue No: 1): 18 October 2022
Certificate Expires: 17 October 2027

ANNEXURE A

SCHEDULE OF ACCREDITATION

CHEMICAL ANALYSIS

Laboratory Accreditation Number: TEST-5 0074 (ISO/IEC 17025:2017)

<u>Permanent Address of Laboratory</u> Betach Pty Ltd Laboratory Plot 17010 Area A Francistown Botswana <u>Postal Address</u> P O Box 500210 Area W Francistown Botswana <u>Tel</u> : +267 241 3339 <u>Cell</u> : +267 72 301 771 <u>Email</u> : jmbada@betach.co.bw		<u>Technical Signatories</u> : Mr T Madziva (pH and Nitrate) Mr N Nyathi (Viscosity and Breakdown Voltage) Ms N Rantsimele (Moisture, TAN and TBN) Mr M Legama (Soil) Ms Y Mogorosi (Water and Soil) Mr K Ngwako (Ambient Air) <u>Nominated Representative</u> : Ms J Mbada <u>Issue No</u> : 03 <u>Date of Issue</u> : 05 July 2024 <u>Expiry Date</u> : 17 October 2027
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
<u>Water</u> Drinking, Surface, and Wastewater <u>Oil</u> Hydraulic oil Transformer Oil Engine Oil <u>Soil</u> <u>Ambient Air</u>	pH Nitrate Electrical Conductivity Viscosity at 40°C Breakdown Voltage Moisture Total Acid Number (TAN) Total Base Number (TBN) pH Electrical Conductivity Organic Carbon Insoluble Matter	ISO 10523: 2008(E) ISO 15923-1: 2013 ISO 7888:1985 ASTM D 445 IEC 60156: 2018-08 ASTM D7889 ASTM D7889 ASTM D7889 ISO 10390:2005 ISO 11265:1994 ISO 14235:1998/ Walkley-Black ASTM D173

Original date of accreditation: 18 October 2022

Page 1 of 1

Pinkie J Malebe
SADCAS Technical Manager