

CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

BEMLAB (PTY) LTD

Co. Reg. No.: 1996/006836/07

Facility Accreditation Number: **T0654**

is a South African National Accreditation System accredited facility provided that all conditions and requirements are complied with

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

CHEMICAL AND MICROBIOLOGY ANALYSIS

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

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

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant accreditation symbol to issue facility reports and/or certificates



Mr F Osman
Acting Chief Executive Officer

Effective Date: 29 June 2025
Certificate Expires: 30 June 2030



ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0654**

Permanent Address of Laboratory:

Bemlab (Pty) Ltd
16 Van der Berg Street
Grant's Industrial, Strand
Strand
7131

Technical Signatories:

Mrs S Thomas (All leaves, fruit and soil Methods)
Mr A Pascall (All Chemistry Methods)
Ms M Ernstzen (All Microbiology Methods)
Ms B Daniels (SOP 3102, 3094, 3104, 3225, 3132, 3114, 3117, 3113, 3118, 3115, 3116 & 3119)
Ms C September (All Microbiology Methods)

Postal Address:

16 Van der Berg Street
Grant's Industrial
Strand
7131

Nominated Representative:

Mr S Marais

Tel: (021) 853-1490

Issue No.: 15

Fax: (021) 853-4323

Date of Issue: 29 June 2025

E-mail: stephan.marais@pathcare.net

Expiry Date: 30 June 2030

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
Soil	Determination of Boron (B)	ICP-OES, Hot water extraction method (3114)
	Determination of Ca, K, Mg, Na	ICP-OES, Ammonium Acetate extraction (3113)
	Determination of P	ICP-OES, Bray I (3116), Bray II (3117), Olsen (3118), extraction
	Determination of S	ICP-OES, Calcium-Phosphate extraction method (3119)
	Determination of pH electrometrically	KCl method (3108)
	Determination of Organic carbon	Walkey – Black method (3107)
	Determination of Titratable acidity	Titrimetric method (3109)
	Determination of Cu, Zn, Mn	EDTA extraction method (3115)
Leaf and Fruit	Determination of B, Ca, Cu, Fe, K, Mg, Mn, Na, P and Zn	ICP-OES, Dry Ashing extraction (3102 and 3094)
	Determination of N	Leco Combustion (3127)
Leaf	Determination of S	ICP-OES, Wet Digestion extraction (3104)
Water (Drinking , Bottled , Borehole /Irrigation & Waste)	Determination of B, Ca, Cu, Fe, K, Mg, Mn, Na, P, S and Zn	ICP-OES (3132)
	Determination of Electrical conductivity	EC Meter (3135)

	Determination of NH ₄ and NO ₃ , NO ₂	Gallery Discrete Analyser (4511)
	Determination of pH electrometrically	pH Meter (3136)
	Determination of CO ₃ HCO ₃ (alkalinity)	Titrimetric method (3137)
	Determination of Chloride	Titrimetric method (3138)
	Determination of Chemical Oxygen Demand (COD)	Spectrophotometer (3289)
	Determination of Heavy Metals: Al, As, Ba, Be, Cd, Co, Cr, Mo, Ni, Pb, Sb, Se and V	ICP-OES (3225)
Water (Drinking , Bottled, Borehole/Irrigation & Waste)	Determination of Electrical conductivity, pH, CO ₃ HCO ₃ Total alkalinity	Automated Titrimetric Method (3777)
	Determination of Chloride	Automated Titrimetric Method (3778)
	Determination of O-P0 ₄	Gallery Discrete Analyser (6528)
	Determination of Turbidity	Turbidity meter (6458)

MICROBIOLOGY

Water (Drinking, Bottled, Borehole & Waste, Sea Water)	<i>Escherichia coli</i> and Total Coliform Count	SOP 1454 (Colilert)
	Faecal Coliform Count	SOP 1454 (Colilert)
	Heterotrophic Plate Count	SOP 7963 (SANS 5221)
	Enumeration of Total Coliform, <i>Escherichia coli</i> and Faecal Coliforms Membrane Filtration	SOP 6386 (Membrane Filtration)

Original Date of Accreditation: 30 June 2015

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



 Accreditation Manager