

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 T Baleni

Acting Chief Executive Officer

Effective Date: 29 June 2020

Certificate Expires: 30 June 2025

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0654**

Permanent Address of Laboratory:

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

Technical Signatories:

Ms S Mbula (All Water Chemistry Methods)
Ms M van Lill (All leaves, fruit and soil methods)
Mrs S Thomas (All leaves, fruit and soil Methods)
Mr A Pascall (All Chemistry Methods)
Mr S Salie (All Water Methods)
Ms M Ernstzen (All Microbiology Methods)
Mr S Sungay (Microbiology SOP1454
Chemistry SOP 3102, 3094, 3104 & 3127)
Ms B Daniels (SOP 3102, 3094, 3104, 3225,
3132, 3114, 3117, 3113, 3118
3115, 3116 & 3119)
Ms M Page Chemistry (SOP 3135, 3136, 3137,
3138, 3289, 3777, 4511, 6458, 6528 , 3778
& Microbiology 1454, 6386)

Postal Address:

P O Box 684
Somerset Mall
7137

Nominated Representative:

Mr A Theron

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Issue No.: 12

Date of Issue: 13 April 2022

Expiry Date: 30 June 2025

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)
Leaf and Fruit	Determination of Cu, Zn, Mn	EDTA extraction method (3115)
	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_3HCO_3 Total alkalinity	Automated Titrimetric Method (3777)
	Determination of Chloride	Automated Titrimetric Method (3778)
	Determination of O-PO_4	Gallery Discrete Analyser (6528)
	Determination of Turbidity	Turbidity meter (6458)
MICROBIOLOGY		
Water (Drinking, Bottled, Borehole & Waste)	<i>Escherichia coli</i> and Total Coliform Count	SOP 1454 (Colilert)
	Faecal Coliform Count	SOP 1454 (Colilert)
	Total Plate Count	SOP 1454 (SANS 5221)
	Enumeration of Total Count, <i>Escherichia coli</i> and Faecal Count Membrane Filtration	SOP 6386 (Membrane Filtration)

Original Date of Accreditation: 30 June 2015

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Acting Accreditation Manager