



## **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:-*

### **A L ABBOTT AND ASSOCIATES (PTY) LTD**

**Co. Reg. No.: 1982/004379/07**

**Facility Accreditation Number: T0276**

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 MICROBIOLOGICAL ANALYSIS**

The facility is accredited in accordance with the recognised International Standard

### **ISO/IEC 17025:2005**

The accreditation demonstrates technical competency for a defined scope and the operation of  
a laboratory 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

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**Mr R Josias**  
**Chief Executive Officer**

**Effective Date: 29 May 2015**  
**Certificate Expires: 28 May 2020**



## ANNEXURE A

### SCHEDULE OF ACCREDITATION

Facility Number: **T0276**

**Permanent Address of Laboratory:**

A L Abbott and Associates (Pty) Ltd  
 1 Vine Park  
 Vine Road  
 Woodstock  
 7925

**Technical Signatories:**

Mrs N van Binsbergen (All Methods)  
 Mr JL da Silva (All Methods)

**Postal Address:**

P O Box 483  
 Woodstock, Cape Town  
 7915

**Nominated Representative:**

Mrs N van Binsbergen

**Tel:** 021 448-6340

**Issue No.:** 12

**Fax:** 021 448-6342

**Date of Issue:** 01 December 2016

**E-mail:** info@alabbott.co.za

**Expiry Date:** 28 May 2020

Material or Products Tested	Type of Tests/ Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
<b>CHEMICAL</b>		
Raw water, Potable water, Domestic water, Industrial water, Saline water, water for Irrigation, Borehole water, Sea water and Waste water	Determination of Chemical oxygen demand by titration	SANS 6048, ALA 2
	Determination of Ammonia	STD Method 4500 NH3-C (1992), ALA 3
	Determination of Electrical Conductivity	STD Method 2510 A, ALA 9
	Determination of pH	SABS 11, ALA 19
	Determination of Chloride by titration	SABS 202, ALA 25
	Determination of Sulphate by colorimetric method	HACH 8051, ALA 24
	Determination of Nitrate by colorimetric method	HACH 8039, ALA 4
	Determination of Turbidity by colorimetric method	HACH 8237, ALA 27
	Determination of Fluoride by colorimetric method	HACH 8029, ALA 29
	Determination of Nitrite by colorimetric method	GRIESS - ILOSVAJ'S Reagent, ALA 5
Determination of Nitrate and Nitrite	Brucine: Method 4B, ALA 4B	

Raw water, Potable water, Domestic water, Industrial water, Saline water, water for Irrigation, Borehole water, Sea water and Waste water	Determination of Total Suspended Solids (Mg/l)	STD Method 2540 D (1992), ALA 6A
	Determination of Ortho Phosphate (mg/l)	HACH 8114, ALA 10
	The determination of metal by ICP: Calcium, Magnesium, Sodium, Potassium, Silica, Strontium, Antimony, Tin, Barium, Molybdenum, Zinc, Aluminium, Arsenic, Beryllium, Copper, Chromium, Iron, Manganese, Lead, Nickel, Cobalt, Cadmium, Selenium, Vanadium	Based on SANS 11885:2008, ALA Method 92
<b>Discrete Analysis (Gallery):</b>		
	Determination of Total Alkalinity	A.L.A Method 94
	Determination of Ammonia	A.L.A Method 95
	Determination of Chloride	A.L.A Method 96
	Determination of Colour	A.L.A Method 97
	Determination of Fluoride	A.L.A Method 98
	Determination of Nitrite	A.L.A Method 99
	Determination of Nitrate	A.L.A Method 100
	Determination of Ortho Phosphate	A.L.A Method 101
	Determination of Sulphate	A.L.A Method 102

**MICROBIOLOGY**

Raw water, Potable water, Domestic water, Industrial water, Saline water, water for Irrigation, Borehole water, Sea water and Waste water	<i>Escherichia coli</i>	Colilert - 18/Quanti-Tray method for Escherichia coli, ALA 84
	Total Coliforms	Colilert - 18/Quanti-Tray method for ToT. Coliform, ALA 85
	Faecal Coliforms	Colilert - 18/Quanti-Tray method for Faecal Coliforms, ALA 86
	Heterotrophic Plate Count	Petrifilm™ Aqua ALA 88
	Enterococci (Entrolert - E)	Entrolert - 24/Quanti-Tray method for enterococci, ALA 87

Original Date of Accreditation: 29 May 2005

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

  


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**Accreditation Manager**