

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:-

SIMLAB (PTY) LTD

Co. Reg. No.: 1987/004282/07

Facility Accreditation Number: **T0733**

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 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 M Phaloane
Acting Chief Executive Officer

Effective Date: 06 January 2021
Certificate Expires: 24 November 2021

ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0733**

Permanent Address of Laboratory:

Simlab (Pty) Ltd
 Water Division
 3 Roper Street
 Kimberley North
 Kimberley
 8301

Technical Signatory:

Mrs P Boshoff (All Methods)

Postal Address:

P.O Box 1231
 Kimberley
 8300

Nominated Representative:

Mrs P Boshoff

Tel: (053) 831 - 5555

Issue No.: 04

Fax: (053) 832 - 2472

Date of Issue: 06 January 2021

E-mail: pam.boshoff@simlab.co.za

Expiry Date: 24 November 2021

Material or Products Tested	Type of Tests/ Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
Potable, Surface, Industrial effluent and Waste Water	Determination of Total Alkalinity - mg/l CaCO ₃	TM/ALK/01 - Potentiometry
	Determination of Nitrogen Ammonia - mg/l NH ₃ -N	TM/NH ₃ -N/07 - Spectrophotometry
	Determination of Calcium - mg/l Ca, Magnesium - mg/l Mg, Potassium- mg/l K & Sodium - mg/l Na	TM/AA/10 - Spectrophotometry (AAS)
	Determination of Chloride - mg/l Cl	TM/Cl/03 - Titrimetry
	Determination of Chemical Oxygen Demand - mg/l O ₂	TM/COD/02 - Spectrophotometry
	Determination of Electrical Conductivity - mS/m (@ 25 ⁰ C)	TM/EC/06 - Potentiometry
	Determination of Total Dissolved Solids - mg/l (@ 180 ⁰ C)	TM/TDS/12 - Gravimetry
	Determination of Fluoride - mg/l F	TM/F/11 - Spectrophotometry

Determination of Nitrate (HR&MR) - mg/l NO ₃ -N	TM/NO ₃ -N/13 - Spectrophotometry
Determination of pH @ 25 ⁰ C	TM/pH/05 - Potentiometry
Determination of Ortho-Phosphate - mg/l PO ₄ -P	TM/P/08 - Spectrophotometry
Determination of Sulphate - mg/l SO ₄	TM/SO ₄ /09 - Spectrophotometry
Determination of Total Suspended Solids - mg/l (@ 105 ⁰ C)	TM/TSS/04 - Gravimetry
Calculation Aggressiveness Index, Bicarbonate, Carbonate Corrosiveness Index, Hardness (Ca, Mg & Total), Langelier Saturation Index (LSI), pHs, Ryznar Index & Sodium Adsorption Ratio (SAR).	SOP/Calc/01 - Calculation

Original Date of Accreditation: 25 November 2016

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager