

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:-

ENVIROCARE LABORATORY

Co. Reg. No.: 2007/112570/23

Facility Accreditation Number: **T0422**

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

MICROBIOLOGICAL AND 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: 12 June 2024
Certificate Expires: 11 June 2029

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0422**

Permanent Address of Laboratory:

Envirocare Laboratory
6 Du Plooy Street
Potchefstroom
2531

Technical Signatories:

Mrs I Simpson (All Microbiology Methods
(except TEC-01, TEC-02, TEC-03, TEC-04,
TEC-06 & TEC-11)
Chemistry (TEC-50 & TEC-52)

Mr C Stokes (All Chemistry Methods)

Mr S Steyn (All Microbiology Methods except
TEC-04 & TEC-06)

Mr M Swart (All Microbiology Methods except
TEC-01, TEC-02, TEC-03, TEC-04, TEC-
05, TEC-06, TEC-34 & TEC-39) All
Chemistry Methods

Mr A Du Toit (All Microbiology Methods)

Mr HJ Muller (All Microbiology Methods)

Ms R Bester (All Chemistry Methods)

Ms J Beukes (All Microbiology Methods except
TEC-04 & TEC-06)

Mr T Haarhoff (All Microbiology Methods
except TEC-04 & TEC-06)

Postal Address:

6 Du Plooy Street
Potchefstroom
2531

Nominated Representative:

Mrs I Simpson

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Issue No.: 20
Date of Issue: 13 April 2025
Expiry Date: 11 June 2029

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
MICROBIOLOGY		
Water (Raw, Potable and Effluent)	Enumeration of Enterococci in water	TEC-05
	Enumeration of Total Heterotrophic Bacteria	TEC-08 (Based on SANS 5221:2018)
	Enumeration of Total coliforms and <i>Escherichia coli</i>	TEC-27 (Chromogenic agar)
	Enumeration of Faecal coliforms	TEC-10 (Based on SANS 5221:2018)
	Enumeration of <i>Pseudomonas aeruginosa</i>	TEC-30
	Enumeration of <i>Listeria monocytogenes</i>	TEC-32
	Enumeration of <i>Clostridium perfringens</i>	TEC-39
	Enumeration of <i>Legionella pneumophila</i>	TEC-49
Hair nets/ Boot covers	Detection of <i>Salmonella</i> species	TEC-31

Water (Raw, Potable & effluent)	Enumeration of <i>Salmonella</i> species	TEC-31
	Enumeration of Yeast and Moulds	TEC-11
Food (Chicken meat, Processed meat, Vegetables and Fruit, Dairy, Cereal, Spice, Eggs, Bread, Swabs (Cotton and Sponge), Shavings, Air plates and Animal feed)	Enumeration of Yeast and Moulds	TEC-11
Food (Meat, Grain and Cereal, Dairy, Vegetables, Fruit, Eggs, Swabs, Spices, Peanut butter, Bread, Fish) Air plates, Dip slides	Enumeration of Total Heterotrophic Bacteria	TEC-09 (Based on SANS 4833:2017)
Food (Meat, Grain and Cereal, Dairy, Vegetables, Fruit, Eggs, Swabs, Spices, Peanut butter, Bread, Fish)	Enumeration of <i>Staphylococcus aureus</i>	TEC-23 (Based on SANS 6888-1:1999)
	Detection of <i>Salmonella</i> species	TEC-31 (Oxid Salmonella rapid culture method)
	Enumeration of Total coliforms and <i>Escherichia coli</i>	TEC-18 (Chromogenic agar)
Food (Meat, Grain and Cereal, Dairy, Vegetables, Fruit, Eggs, Swabs, Spices, Peanut butter, Bread, Fish) and Hair nets/ Boot covers, Feed	Detection of <i>Salmonella</i> species	TEC-01 (ELISA)
	Detection of <i>Escherichia coli</i> 0157	TEC-02 (ELISA)
	Detection of <i>Campylobacter</i>	TEC-03
Food (Meat, Grain and Cereal, Dairy, Vegetables, Fruit, Eggs, Swabs, Spices, Peanut butter, Bread, Fish)	Enumeration of Yeast and Mould	TEC-17 (Based on SANS 7954:1987)
	Enumeration of <i>Bacillus cereus</i>	TEC-33
	Enumeration of <i>Clostridium perfringens</i>	TEC-39
	Detection and enumeration of <i>Listeria</i> spp. and <i>L. monocytogenes</i>	TEC-32
	Enumeration of <i>Enterobacteriaceae</i>	TEC-26
	Enumeration of <i>Pseudomonas aeruginosa</i>	TEC-30
Pharmaceutical Preparations	Efficacy of microbial preservation	TEC-34
Meat, Organs and Eggs	Screening for anti-microbial drugs in food products	TEC-38 (5 plate method)
Chemical Disinfectants and Antiseptics	Bactericidal activity of chemical disinfectants and antiseptics	TEC-04

Chemical Disinfectants and Antiseptics	Fungicidal or Yeastocidal activity of chemical disinfectants and antiseptics	TEC-06
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CHEMICAL

Water (Potable, Surface and Effluent water)	Determination of pH	TEC-50
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Determination of Electrical Conductivity	TEC-51
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Determination of COD	TEC-52
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Determination of Metals (ICP) (Na, Mg, Ca, K, Al, Sb, As, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Ni, Se, U, V, Ba, Zn)	TEC-53
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Water (Potable, Surface and Effluent water) and Solids	Determination of Total Metals (ICP) (Na, Mg, Ca, K, Al, Sb, As, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Ni, Se, U, V, Ba, Zn)	TEC-53
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Water (Potable, Surface and Effluent water)	Determination of Turbidity	TEC-58
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Determination of Chloride as Cl^- (Spectroquant)	TEC-60
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Determination of TDS at 180°C	TEC-61
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Determination of TSS at 105°C	TEC-62
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Determination of Oil and Grease	TEC-63
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Determination of Total and Phenolphthalein Alkalinity as CaCO_3	TEC-64
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Determination of Sulfate (Spectroquant)	TEC-65
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Water (Potable, Surface and Effluent water)	Determination of Nitrite as N (Spectroquant)	TEC-67
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Determination of Nitrate as N (Spectroquant)	TEC-68
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Determination of Fluoride (ISE)	TEC-69B
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Determination of Ammonia as N	TEC-70
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Determination of Cyanide (Free and Total)	TEC-77
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Determination of Colour (Filtered/True)	TEC-81
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Determination of Free and Total Chlorine by Colometric	TEC-59
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Determination of Orthophosphate (Spectroquant)	TEC-66
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Determination of Phenol (Spectroquant)	TEC-71
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Determination of Total Organic Carbon (Spectroquant)	TEC-93
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Determination of Calcium, Magnesium and Total Hardness (Calculation)	TEC-94
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Water (Potable, Surface and
Effluent water)

Determination of Combined Nitrite &
Nitrate Ratio (Calculation)

TEC-95

Original Date of Accreditation: 12 June 2009

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager