



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:-

NVIROTEK LABORATORIES (PTY) LTD

Co. Reg. No.: 2007/029712/07

Facility Accreditation Number: T0978

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

Ms FS Radebe
Acting Chief Executive Officer

Effective Date: 01 August 2022
Certificate Expires: 31 July 2027



ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0978****Permanent Address of Laboratory:**

NviroTek Laboratories (Pty) Ltd
54 Church Street
Wellington
7655

Technical Signatories:

Mr M Swartz (All Chemical Methods)
Mr R Williams (All Microbiology Methods)
Mr L Yssel (All Chemistry Methods)
Ms J Martiens (All Microbiology Methods)
Mrs U de Haast (C101, C105, C111, C120, C122)
Ms N de Jager (All Microbiology Methods)
Ms L van Rhyn (All Microbiology Methods)
Mr B Venter (All Microbiology Methods)

Postal Address:

PO Box 813
Wellington
7654

Nominated Representative:

Dr KR Conradie

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Issue No.: 27

Date of Issue: 01 August 2022

Expiry Date: 31 July 2027

Material or Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
MICROBIOLOGY		
Food and Food Products (Ready-to-eat meals, Fruit Juice Purees, Raw Fruit and Vegetables, Condiments, Confectionaries, Raw Material and spices, Animal Food Stuffs, Dry Fruit, Aromatic Plants, Beverages, Health Products, Meat Products-Raw and Preserved, Emulsions, Concentrate and Flavours, Fish and Fish products) and Swab samples, Dairy products and raw milk	Enumeration of Total Viable Organisms (Total Plate Count)	ISO 4833:2013 (W101)
	Enumeration of Yeast and Moulds	SANS ISO 7954:1987 (W103)
	Enumeration of Total Coliforms	SANS ISO 4832:2007 (W105)
	Enumeration of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp.	SANS ISO 11290-2:2017 (W107) (NORDVAL 022) part2
	Detection of <i>Listeria</i> spp. and <i>Listeria monocytogenes</i>	SANS ISO 11290-1:2017 (W107) (NORDVAL 022) Part 1

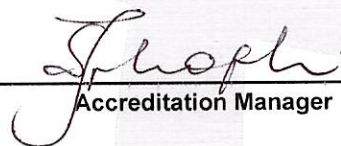
	Enumeration of Lactic Acid Bacteria	SANS ISO 15214:1998 (W109)
	Enumeration of <i>Escherichia coli</i> in Foodstuff- Pour plate	SANS ISO 16649-2018(W110)
	Enumeration of Enterobacteriaceae/Bile Tolerant Gram Neg Bacteria-Colony Count Technique	SANS ISO 21528-2:2017 (W113)
	Microbiology of Food and Animal Feeding Stuffs – Horizontal method for the Enumeration of Presumptive <i>Bacillus cereus</i> – Colony Count Technique at 30°C	SANS ISO 7932:2005 (W114)
	Enumeration of Coagulase Positive <i>Staphylococcus aureus</i>	SANS ISO 6888-1 and -2:2021 (W120)
	Determination of <i>Salmonella</i>	W126 Salmonella Precise method BRD 07/11-12/05
	Determination of <i>Escherichia coli</i> 0157	ISO 16654 :2001 (W125)
	Microbiology of Food and Animal Feeding Stuffs – Horizontal method for detection of Presumptive <i>Salmonella</i> spp.	SANS ISO 6579:2017 (W121)
	Enumeration of <i>Clostridium perfringens</i> -Colony Count Technique	SANS ISO 7937:2007(W117)
Fruit and Vegetables products such as ready- to- eat, meats, fruit juice purees, raw fruit & Vegetables, concentrates, Condiments such as sauces, emulsions, spices, water, swabs.	Detection and Enumeration of Sporeforming Thermo Acidophilic Spoilage Bacteria (<i>Alicyclobacillus</i> spp.)	Based on IFU Method MM12 (2019) (W130)
Wine and Wine Swab Samples, Dairy and Raw milk	Enumeration of Total Viable Organisms(Total Microbial Activity)	Method approval by South African Society of Enology and Viticulture (W 108)
Water (Bottled, Potable, Effluent, Irrigation)	Enumeration of Heterotrophic Plate Count, Total Coliforms, Faecal Coliforms and <i>Escherichia coli</i>	SANS 5221:2018 (W123, W102, W104, W106)
	Enumeration of <i>Pseudomonas aeruginosa</i> by Membrane Filtration	ISO 16266:2006 (W124)
	Determination of <i>Escherichia coli</i> 0157	ISO 16654:2001 (W125)
	Detection of <i>Salmonella</i>	Salmonella Precise method BRD/07/11-12/05 (W126)
	Enumeration of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp.	SANS ISO 11290-2:2017(W107) (NORDVAL 022) part 2
	Detection of <i>Listeria</i> spp. and <i>Listeria monocytogenes</i>	SANS ISO 11290-1:2017(W107 NORDVAL 022) Part 1

CHEMICAL ANALYSIS

Water (Drinking, Effluent , Irrigation)	Ca, K, Mg, Na, B, Cu, Fe, Mn, Zn by ICP-OES	C102 (EPA6010D)
	pH	Based on EPA 150.1 (C101)
	Electrical Conductivity	Based on ISO 7888:1985 (C105)
	Alkalinity (as CaCO ₃)	Based on EPA600/4-79-020
	Langelier Saturation Index	(C111, Calculated C 122)
	CO ₃ and HCO ₃ Calculated	Calculated C111
	Sodium Absorption Ratio (SAR)	Calculated C120
	Chemical Oxygen Demand (COD)	ISO 15750 (C108)
	NH ₄ -N by Spectrophotometer	ISO 7150/1 (C109)
	NH ₃ -N-by Spectrophotometer	ISO 7150/1 (C134)
	NO ₂ -N, Cl, F, SO ₄ , NO ₃ -N,	EPA 9056A-C141
	PO ₄ - P by Ion Chromatography	
Leaves	Ca, K, Mg, Na, B, Fe, Mn, Zn, Cu by ICP-OES (Microwave assisted acid digestion)	C102 (EPA6010D)

Original Date of Accreditation: 01 August 2007

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM


Accreditation Manager