



## 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: T0822**

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: 25 September 2023**  
**Certificate Expires: 24 September 2028**



**ANNEXURE A**  
**SCHEDULE OF ACCREDITATION**

Facility Number: **T0822**

**Permanent Address of Facility:**

NviroTek Laboratories (Pty) Ltd  
Nviro Business Hub, Unit 6  
Ou Wapad Street  
Ifafi  
Hartbeespoort  
0260

**Technical Signatories:**

Mr W Koekemoer (WIN 007-009, 014, 021, 041, 057, 058, 176 & 177)  
Mr CF van der Merwe (WIN 007-009, 021, 041, 058, 176 & 177 only)  
Ms C Kruger (WIN 041, 014, 057, 058, 176, 177 & 183 only)  
Mrs G Johnson (WIN 021, 057, 058, 176, 177 & 183 only)  
Mr JDE Schoeman (WIN 007-009, 014, 021, 041, 057, 058, 176, 177, 081 & 183 only)  
Mrs E Keyser (WIN 007-009, 014, 041, 057, 058, 176 & 177 only)  
Ms SC Chirwa (WIN 029, 030, 103, 105, 127 & 155 only)  
Mr R Pretorius (WIN 007-009, 014, 021, 041, 057, 058, 176 & 177 only)  
Ms N Abdool (WIN 007-009, 014, 021, 041, 057, 058, 081, 176, 177 & 183 only)  
Mr D Grobler (WIN 183 only)  
Mr L Ntepe (WIN 183 only)  
Mr V Wilsnach (WIN 014, 057, 058, 081, 176, 177 & 183 only)

**Postal Address:**

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Private Bag X0001  
Ifafi  
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**Tel:** (012) 252 7588

**Fax:**

**E-mail:** magda.g@nvirotek.co.za

**Nominated Representative:**

Mrs SMM Gerber

**Issue No.:** 12

**Date of Issue:** 11 December 2024

**Expiry Date:** 24 September 2028

<b>Material or Products Tested</b>	<b>Type of Tests / Properties Measured, Range of Measurement</b>	<b>Standard Specifications, Techniques / Equipment Used</b>
<b>CHEMICAL</b>		
Water (Prepared leachate, trade effluent, drinking water, ground water, surface water and land leachate)	Determination of pH	WIN 014
Various foodstuff (Fruits, Vegetables, Fruit juice concentrate and Fruit juice, Cereals, Dry Pulses, Oily seeds, Nuts incl. Honey)	Analysis of Residue pesticide by LC-MS/MS & GC-MS/MS	WIN 029 & 030

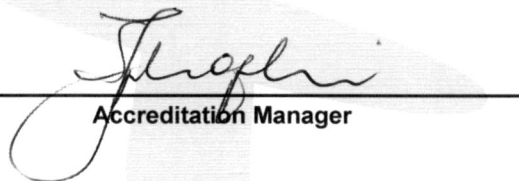
	Analysis of Residue Polar Pesticides by LC-MS/MS (Ethephon, Phosphonic Acid, Fosetyl Al & Glyphosate)	WIN 105
	Analysis of Dithiocarbamates Pesticides (Mancozeb, Thiram, Metiram, Ferbam, Propineb, Zineb & Maneb) by GC-MS/MS	WIN 103
Edible Crop and Animal Feeds	Analysis of Mycotoxins by LC-MS/MS	WIN 127
Feeds, Organic and Plant material	Sample Preparation of Multi-Element by Perchloric and Nitric acid digestion for ICP-OES	WIN 021
Fertilizers and lime	Sample preparation of water-soluble P and K for ICP-OES	WIN 007
	Sample Preparation by Citric acid extraction for ICP-OES	WIN 008
	Sample Preparation of Multi-Element by Aqua Regia digestion for ICP-OES	WIN 009
Water (Tap, Drinking, Borehole, Surface, Effluent, Hydroponic, Leachate) (Growth Media, Organic Material, Soil)	<b>Extracts from preparation methods above are analyzed by any one of the three ICP-OES instruments available.</b>	WIN 058, 176 & 177
	Determination of Multi-Elements (Ca, Mg, K, Na, P, S, Fe, Mn, Cu, Zn, Mo, B, Al, Co, Cr, Ni, Si) by ICP-OES	
	<b><u>Water Calculations:</u></b> Ca Hardness Mg Hardness Total Hardness Sodium Absorption Ratio (SAR)	
Plant Material, Animal Feeds and Organic Material	<b>Perchloric and Nitric Digestion</b> (Ca, Mg, K, Na, S, P, Fe, Mn, Cu, Zn, B, Mo, Al, Co, Cr, Ni)	
Plant Sap (Water Soluble only)	<b>Water Soluble</b> (Ca, Mg, K, Na, S, P, Fe, Mn, Cu, Zn, B, Mo, Al, Co, Cr, Ni, Si)	
Fertilizer & Lime	<b>Citric Acid</b> (Only P and K) <b>Water Soluble</b> (Ca, Mg, K, Na, S, P, Fe, Mn, Cu, Zn, B, Mo, Al, Co, Cr, Ni, Si) <b>Aqua Regia Digestion</b> (Ca, Mg, K, Na, S, P, Fe, Mn, Cu, Zn, B, Mo, Al, Co, Cr, Ni)	

Water (Prepared leachate, trade effluent, drinking water, ground water, surface water and land leachate)	Sample preparation of Multi-Element for ICP-OES	WIN 041
Water (Drinking water and other water)	Analysis of Trihalomethanes in Drinking Water and Other Water Matrices by GC-MS/MS	WIN 155
Soil	Total Carbon by Dumas Combustion	WIN 183
	Determination of Organic Carbon (Walkely-Black)	WIN 081
Water, Leachates, Organic Material, Fertilizers and Lime	Determination of Heavy Metals by ICP-OES	WIN 057

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Original Date of Accreditation: 25 September 2018

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



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Accreditation Manager