

# **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:-*

**ITC SERVICES (PTY) LTD**

**Co. Reg. No.: 1988/002032/07**

Facility Accreditation Number: **T0175**

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

## **EMC TESTING**

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  
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: 31 October 2017**  
**Certificate Expires: 30 October 2022**

ANNEXURE A  
**SCHEDULE OF ACCREDITATION**

Facility Number: **T0175**

**Permanent Address of Laboratory:**

ITC Services (Pty) Ltd  
 Plot 44 Moroela ave  
 Nieshout Street  
 Kameeldrift East  
 Pretoria

**Postal Address:**

Private Bag X13  
 Lynn East  
 0039

**Tel:** (012) 808 1730**Fax:** (012) 808 1733**E-mail:** callie@itc-services.com**Technical Signatories:**

Mr CFH Fouche

Mr SM Gough

**Nominated Representative:**

Mr CFH Fouche

**Issue No.:** 17**Date of Issue:** 05 June 2018**Expiry Date:** 30 October 2022

| <b>Materials / Products Tested</b>                           | <b>Type of Tests / Properties Measured, Range of Measurement</b>      | <b>Standard Specifications, Techniques / Equipment Used</b>          |
|--|---|--|
| Industrial, Scientific and Medical (ISMSIM) Equipment        | Electromagnetic disturbance characteristics                           | SANS 211:2011 / CISPR 11:2010, A1:2010 / EN 55011: 2009              |
| Electrical Lighting and similar equipment                    | Electromagnetic disturbance characteristics                           | SANS 215:2009 / CISPR 15:2009<br>Excluding: Clause 7 / EN 55015:2009 |
| Information Technology Equipment (ITE)                       | Electromagnetic disturbance characteristics                           | SANS 222:2009 / CISPR 22:2008 / EN 55022 :2008                       |
| Electrical Equipment connected to Public Low-Voltage systems | Harmonic current emissions  | SANS 61000-3-2:2009 / IEC 61000-3-2:2009 / EN 61000-3-2:2006         |
|  | Voltage changes, voltage fluctuations and flicker                     | SANS 61000-3-3:2009 / IEC 61000-3-3:2008 / EN 61000-3-3:2008         |
|  | Electrostatic immunity  | SANS 61000-4-2:2009 / IEC 1000-4-2:2008 /EN 61000-4-2:2009           |
|  | Electrical fast transient / burst immunity                            | SANS 61000-4-4:2011 / IEC61000-4-4:2011 / EN 61000-4-4:2004+A1 :2010 |
|  | Surge immunity  | SANS 61000-4-5:2006 / IEC61000-4-5:2005 / EN 61000-4-5:2006          |
|  | Immunity to conducted disturbances, induced by radio-frequency fields | SANS 61000-4-6:2009 / IEC61000-4-6:2008 / EN 61000-4-6:2009          |

|                                    |  |  |
|------------------------------------|--|--|
| Testing and Measurement Techniques | Immunity to voltage dips, short interruptions and voltage variations | SANS 61000-4-11:2005 / IEC 61000-4-11:2004 / EN 61000-4-11:2004    |
|                                    | Radiated, radio-frequency, electromagnets field immunity test        | SANS 61000-4-3 2008 / IEC 61000-4-3:2008/ EN61000-4-3:2006+A2:2010 |
|                                    | Power frequency electric field Immunity Test                         | SANS 61000-4-8: 2009 / IEC 61000-4-8:2009/ EN61000-4-8:2010        |
|                                    | Pulse magnet field immunity test                                     | SANS 61000-4-9: 2003 / IEC 61000-4-9:2001/ EN 61000-4-9:2014       |

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Original Date of Accreditation: 02 January 2003

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

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**Accreditation Manager**