

# **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:-*

**TESTO SOUTH AFRICA (PTY) LTD**  
**Co. Reg. No.: 2015/403399/07**  
**HUMIDITY CALIBRATION LABORATORY**  
**CAPE TOWN**

Accreditation Number: **1577**

is a South African National Accreditation System accredited Calibration Laboratory provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying scope of accreditation Annexure "A", bearing the above accreditation number for

## **HUMIDITY METROLOGY**

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 laboratory quality management system

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

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**Mr M Pholoane**  
**Acting Chief Executive Officer**

**Effective Date: 17 September 2020**  
**Certificate Expires: 16 September 2025**

ANNEXURE A  
**SCOPE OF ACCREDITATION**  
 HUMIDITY METROLOGY

Accreditation Number: 1577

<p><b>Permanent Address of Laboratory:</b>                  Testo South Africa (Pty) Ltd                  Humidity Calibration Laboratory                  G1 Pinelands Business Park                  4 New Mill Road                  Pinelands, Cape Town                  7405</p> <p><b>Postal Address:</b>                  G1 Pinelands Business Park                  4 New Mill Road                  Pinelands, Cape Town                  7405</p> <p>Tel: (021) 3003260                  Fax: (086) 6216380                  E-mail: <a href="mailto:ffernandez@testo.co.za">ffernandez@testo.co.za</a></p>	<p><b>Technical Signatories:</b> Mr FJ Fernandez-Rivera</p> <p><b>Nominated Representative:</b> Mr FJ Fernandez-Rivera</p> <p>Issue No.: 04                  Date of Issue: 03 March 2022                  Expiry Date: 16 September 2025</p>			
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	METHOD / PROCEDURE
<b>3</b>	<b>HYGROMETERS</b>			
<b>3.4</b>	<b>Other hygrometers</b>			
3.4.1	Digital Hygrometers / Thermo Hygrometer (5 °C to 50 °C) Temperature	5 % rh to 10 % rh 10 % rh to 85 % rh 85 % rh to 95 % rh 5 °C to 50 °C	2,0 % rh 1,5 % rh 2,0 % rh 1,0 °C	Comparison with reference salt solutions or comparison with a reference hygrometer and a reference thermometer in an environmental chamber.
3.4.2	Humidity Recorder / Thermo – Hygrograph Temperature	5 % rh to 10 % rh 10 % rh to 85 % rh 85 % rh to 95 % rh 5 °C to 50 °C	2,0 % rh 1,5 % rh 2,0 % rh 1,0 °C	
3.4.4	Data Loggers Temperature	5 % rh to 10 % rh 10 % rh to 85 % rh 85 % rh to 95 % rh 5 °C to 50 °C	2,0 % rh 1,5 % rh 2,0 % rh 1,0 °C	
<b>4</b>	<b>DYNAMIC GENERATORS</b>			
<b>4.2</b>	<b>Relative humidity generators</b>			
4.2.2	Environmental chambers	5 % rh to 90 % rh 10 °C to 50 °C	4,0 % rh 1,0 °C	Calibration by comparison with reference hygrometer and thermometer

Original Date of Accreditation: 13 October 2016

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The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor  $k = 2$ , corresponding to a confidence level of approximately 95%

**Accreditation Manager**

## ANNEXURE A

Accreditation No: 1577  
Date of Issue: 03 March 2022  
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ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	METHOD / PROCEDURE
<b>5</b>	<b>STATIC GENERATORS</b>			
<b>5.1</b>	<b>Salt solutions (saturated, unsaturated)</b>			
5.1.1	Salt Solution Saturated & unsaturated (15°C to 30°C)	5 % rh to 95 % rh	1,1 % rh	Calibration by comparison with reference salt solutions or a reference hygrometer.
<b>6</b>	On-site Calibration for items 3 & 4 above			

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The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor  $k = 2$ , corresponding to a confidence level of approximately 95%.

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

**Accreditation Manager**