

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:-

ARCHIMEDES LABORATORY SOLUTIONS CC
Co. Reg No: 2010/064440/23
HUMIDITY CALIBRATION LABORATORY

Accreditation Number: **1565**

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

Ms FS Radebe
Interim Acting Chief Executive Officer

Effective Date: 26 February 2021
Certificate Expires: 17 December 2025

ANNEXURE A

SCOPE OF ACCREDITATION

HUMIDITY METROLOGY

Accreditation Number: 1565

Permanent Address of Laboratory: Archimedes Laboratory Solutions CC Humidity Calibration Laboratory 50 9 th Avenue Northmead Benoni 1501		Technical Signatory: Mr D Keet Mr Z Lloyd		
Postal Address: P O Box 13752 Northmead 1511 Tel: 082 900 0382 Fax: 086 566 4556 E-mail: dion@archlabs.co.za or info@archlabs.co.za		Nominated Representative: Mr D Keet Issue No.: 07 Date of Issue: 26 February 2021 Expiry Date: 17 December 2025		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	METHOD / PROCEDURE
3	HYGROMETERS			
3.3	Relative Humidity Sensors			
3.3.1	Relative Humidity Sensors (10 °C to 50 °C) (15 °C to 30 °C)	10 % rh to 95 % rh 10 % rh 35 % rh 50 % rh 75 % rh 95 % rh	3,0 % rh 0,5 % rh 0,7 % rh 0,9 % rh 1,3 % rh 1,2 % rh	Comparison with a reference salt solution/s or comparison with a reference hygrometer.
3.4	Other Hygrometers			
3.4.1	Digital Hygrometers / Thermo Hygrometers (10 °C to 50 °C) (15 °C to 30 °C)	10 % rh to 95 % rh 10 % rh 35 % rh 50 % rh 75 % rh 95 % rh	3,0 % rh 0,5 % rh 0,7 % rh 0,9 % rh 1,3 % rh 1,2 % rh	Comparison with a reference salt solution/s or comparison with a reference hygrometer.

Original Date of Accreditation: 17 December 2010

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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%

Executive Accreditation

ANNEXURE A

Facility No.: 1565
Date of Issue: 26 February 2021
Expiry Date: 17 December 2025

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	METHOD / PROCEDURE
3.4.2 3.4.4	Humidity recorders / Thermo hygrographs Data Loggers (10 °C to 50 °C) (15 °C to 30 °C)	10 % rh to 90 % rh 10 % rh 35 % rh 50 % rh 75 % rh 95 % rh	3.0 % rh 0,5 % rh 0,7 % rh 0,9 % rh 1,3 % rh 1,2 % rh	Calibration by comparison with a reference hygrometer in an environmental Chamber.
4	DYNAMIC GENERATORS			
4.2	Relative humidity generators			
4.2.2	Environmental Chambers	10 % rh to 95 % rh	3,5 % rh	Comparison with reference hygrometer
5	STATIC GENERATORS			
5.1	Salt solutions			
5.1.1	Saturated Salt Solution (15 °C to 30 °C)	11 % rh 33 % rh 53 % rh 75 % rh 95 % rh	0,6 % rh 0,9 % rh 1,2 % rh 1,5 % rh 1,5 % rh	Calibration by comparison with a reference salt solution/s or calibration using a reference hygrometer.
6	On-site calibration for Items 3 & 4			

Original Date of Accreditation: 20 May 2011

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Executive Accreditation