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:-

WISIO CC
Co. Reg. No.: 1999/002960/23
DIMENSIONAL CALIBRATION LABORATORY

Accreditation Number: **CAL 174-00-00**

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

DIMENSIONAL 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 Phaloane
Acting Chief Executive Officer

Effective Date: 24 May 2024
Certificate Expires: 05 July 2025

ANNEXURE A

SCOPE OF ACCREDITATION

DIMENSIONAL METROLOGY

Accreditation Number: CAL 174-00-00

Permanent Address of Laboratory:
Wisio CC
Dimensional Calibration Laboratory
3 Settlers Way
Settlers Warehouse Office Number 1
Gately
East London
5201

Postal Address:
P O Box 317
East London
5200

Tel: (043) 731-2352
Fax: (086) 577-3257
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Technical Signatory: Mr IFJ Roos

Nominated Representative: Mr IFJ Roos

Issue No.: 07
Date of Issue: 24 May 2024
Expiry Date: 05 July 2025

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	METHOD/ PROCEDURE
2	**LINEAR DIMENSIONS**			
2.1	**Length Instruments**			
2.1.4	Height measuring instrument (Height gauges)	0 mm to 600 mm	12 µm	Calibration by comparison measurements of gauge blocks/length bars on a surface plate
2.2	**End Standards**			
2.2.3	Micrometer Setting Pieces	25 mm to 500 mm	2,9 µm	Calibration by comparison with gauge blocks and comparator
2.2.5	Gap Gauge	2 mm to 100 mm	2,7 µm	Calibration by mechanical comparison against a reference standard
2.4	**Diameter Standards**			
2.4.1	External cylinder (plug, piston, pin, wire)	2 mm to 150 mm	2,5 µm	Calibration by the external measurement of diameter, roundness and where applicable straightness and parallelism

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

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	METHOD / PROCEDURE
2.4.2	Internal cylinder (plain ring gauge)	10 mm to 150 mm	3,6 µm	Calibration by the internal measurement of diameter, roundness and where applicable straightness and parallelism
5.2	**Screw Standards**			
5.2.1	Thread Plug, Plain	3 mm to 50 mm	5,2 µm	Calibration using a universal length measuring machine and thread measuring wire by comparison
6	**VARIOUS DIMENSIONAL**			
6.1	**Hand Instruments**			
6.1.1	Micrometers External	0 mm to 500 mm	2,2 µm	Calibration by comparison to gauge blocks, length bars, flatness and parallelism with optical flats and parallels
6.1.3	Depth Micrometers	0 mm to 300 mm	6,1 µm	Calibration using stacked gauge blocks on a surface plate
6.1.4	Calliper (Vernier & Electronic)	0 mm to 300 mm 300 mm to 500 mm 500 mm to 1 000 mmm	13 µm 30 µm 61 µm	Calibration of the measurement error, parallelism and repeatability (where applicable) using gauge blocks and length bars
6.1.5	Depth Gauge	0 mm to 300 mm	12 µm	Calibration using stacked gauge blocks on a surface plate
6.1.6	Internal Micrometer (Two-point bore)	0 mm to 300 mm	3, 2 µm	Calibration with an inside micrometer checker/micrometer
6.1.7	Internal Micrometer (Three-point bore)	0 mm to 150 mm	3,6 µm	Calibration using ring gauges by comparison
6.1.8	(Electronic/ Dial test indicator) Lever type Plunger type	 0 mm to 0,8 mm 0 mm to 25 mm	 2,7 µm 1,8 µm	Calibration using a dial calibration tester micrometer head and/or gauge blocks

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