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

GAS CALIBRATION LABORATORY
KEMPTON PARK

Accreditation Number: **CAL 076-15-00**

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

GAS 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: 16 May 2024
Certificate Expires: 23 August 2025

ANNEXURE A

SCOPE OF ACCREDITATION

GAS METROLOGY

Accreditation Number: CAL 076-15-00

Permanent Address of Laboratory:
Testo South Africa (Pty) Ltd
Gas Calibration Laboratory
Unit 1 Gleneagle Office Park
Cnr Braambos and Monument Road
Glen Marais
Kempton Park
1619

Postal Address:
Suite 42, Private Bag 7
Aston Manor
Kempton Park

Tel: (011) 380-8060
Cell: 066 476 4229
E-mail: jkirkland@testo.co.za

Technical Signatory: Mr M Talane

Nominated Representative: Mr J Kirkland

Issue No.: 05
Date of Issue: 16 May 2024
Expiry Date: 23 August 2025

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	METHOD / PROCEDURE
4	**GASES**			
4.4	**Calibration of Gas Analysers**			
4.4.1	Oxygen (O_2 in N_2)	0 to 3 % mol/mol 3 to 18 % mol/mol	0,03 % mol/mol 0,10 % mol/mol	Calibration by the application of Class I or II calibration gas mixtures through the measurement range of the Analyzer.
4.4.2	Carbon Monoxide (CO in N_2)	0 to 100 µmol/mol 100 to 1 000 µmol/mol	2,0 % 1,0 %	
4.4.3	Nitrogen Monoxide (NO in N_2)	0 to 100 µmol/mol 100 to 1 000 µmol/mol	2,0 % 1,0 %	
4.4.4	Nitrogen Dioxide (NO_2 in N_2)	0 to 10 µmol/mol 10 to 100 µmol/mol	2,0 % 1,0 %	
4.4.5	Sulphur Dioxide (SO_2 in N_2)	0 to 100 µmol/mol 100 to 1 000 µmol/mol	2,0 % 1,0 %	
4.4.6	Carbon Dioxide (CO_2 in N_2)	0 to 5 % mol/mol 5 to 15 % mol/mol 15 to 40 % mol/mol	0,1 % mol/mol 0,2 % mol/mol 0,6 % mol/mol	

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