



## **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:-*

**DM LABORATORY SUPPLIES CC**

**Co. Reg. No.: 1996/023347/23**

**TRADING AS**

**LABTRONIC**

**TIME AND FREQUENCY CALIBRATION LABORATORY**

**Accreditation Number: 524**

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

**TIME AND FREQUENCY 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  
Acting Chief Executive Officer**

**Effective Date: 28 July 2021  
Certificate Expires: 18 June 2027**



## ANNEXURE A

## SCOPE OF ACCREDITATION

### TIME AND FREQUENCY METROLOGY

Accreditation Number: 524

<p><b>Permanent Address of Laboratory:</b> DM Laboratory Supplies CC; t/a Labtronic Time and Frequency Calibration Laboratory 9 Paulus Street Kamma Park Port Elizabeth 6070</p> <p><b>Postal Address:</b> Postnet Suite 111 Private Bag X0002 Sunridge Park 6008</p> <p>Tel: (041) 379-4620 Fax: 086 556 4027 E-mail: <a href="mailto:labtronic@mweb.co.za">labtronic@mweb.co.za</a></p>	<p><b>Technical Signatory:</b> Mr D van Tonder</p> <p><b>Nominated Representative:</b> Mrs M van Tonder</p> <p>Issue No.: 13 Date of Issue: 28 July 2022 Expiry Date: 18 June 2027</p>
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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
3	Time Interval			
3.4	Time Interval Meter			
3.4.5	Stop watch calibration	1 s to 3 600 s	200 ms	Direct measurement of the time interval using a reference standard.
5	Rotational Speed			
5.1	Medical and Laboratory Centrifuges - Non-contact	60 rpm to 1 000 rpm 1 000 rpm to 90 000 rpm	0,06 % + 0,1 rpm 0,06 % + 1 rpm	Direct measurement method using a reference tachometer.
5.3	Tachometers Non Contact	5 rpm to 1 000 rpm 1 000 rpm to 90 000 rpm	0,06 % + 0,1 rpm 0,06 % + 1 rpm	Comparison with reference tachometer or frequency counter using rotational speed generator or optical simulator.
5.6	Other rotating devices	5 rpm to 90 000 rpm	0,06 % + 1 rpm	Direct measurement method using a reference tachometer.
7	On-site calibration for items 3 & 5 above			

Original Date of Accreditation: 01 October 2002

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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