

# **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 SUPLIERS CC**

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

**TRADING AS**

**LABTRONIC**

Facility Accreditation Number: **1524**

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 schedule of accreditation Annexure "A", bearing the above accreditation number for

**FLUID DYNAMICS METROLOGY**

The facility is accredited in accordance with the recognised International Standard

**ISO/IEC 17025:2005**

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 R Josias**  
**Chief Executive Officer**

**Effective Date: 18 June 2012**  
**Certificate Expires: 18 June 2017**

## ANNEXURE A

## SCHEDULE OF ACCREDITATION

### FLUID DYNAMICS METROLOGY

Facility Number: 1524

<p><b>Permanent Address of Laboratory:</b> Labtronic 9 Paulus Street Kamma Park Port Elizabeth</p> <p><b>Postal Address:</b> P O Box 28761 Sun Ridge Park Port Elizabeth 6008</p> <p>Tel: (041) 379-4620 Fax: (041) 379-4622 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.: 08 Date of Issue: 09 December 2015 Expiry Date: 18 June 2017</p>		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )
1.	Viscosity cups (Ford, ISO, Zahn, etc.)	Efflux time 10 to 120 sec	0,25 sec + 3 %
2.	Rotational Viscometers Kinematic Viscosity Dynamic Viscosity (15 to 30 °C)	1 to 100 000 mm <sup>2</sup> /s 0,8 to 100 000 mPa.s	2,5 % 2,5 %
5.	Viscosity Standard Fluids (Silicon and Hydrocarbon Oils) Kinematic viscosity Dynamic viscosity	1 to 100 000 mm <sup>2</sup> /s 0,8 to 100 000 mPa.s	2,5 % 2,5 %
6.	Liquid Density of Standard Fluids	0,500 g/cm <sup>3</sup> to 1,200 g/cm <sup>3</sup>	0,2 %
8.	Hydrometer Liquid Density	0,500 g/cm <sup>3</sup> to 1,200 g/cm <sup>3</sup>	1,0 %

Original Date of Accreditation: 01 October 2003

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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

### Field Manager