ANNEXURE A

SCHEDULE OF ACCREDITATION

TEMPERATURE METROLOGY

Accreditation Number: CAL 095-03-00

Permanent Address of Laboratory: United Scientific (Pty) Ltd Unit 2B 16 Wessel Geldenhuys Street Brackenfell Industrial Cape Town 7460	**Technical Signatory:**	Mr GB Mamaila Mr A Barnes
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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 (±)	METHOD/ PROCEDURE
1	**THERMOMETRY**			
1.3	**Thermocouples**			
1.3.1	Liquid-in glass Thermometers	- 20 °C to 100 °C	0,5 K	Calibration by comparison with a reference thermometer in a bath, drywell, or furnace.
1.3.2	Digital Thermometers	- 25 °C to 200 °C	0,5 K	
1.4	**Reference Temperature Sources**			
1.4.1	Ice Point reference	0,00 °C	0,3 K	Prepared in a thermally insulated flask using distilled water and ice.
1.5	**Temperature Measuring and Recording**			
1.5.2	Data Loggers (Internal sensor)	- 25°C to 125°C	0,5 K	Calibration by comparison with a reference thermometer in a chamber, bath drywell or furnace.
	Data Logger (External sensor)	-25°C to 200 °C	0,5 K	

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

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Accreditation No.: CAL 095-03-00
Date of Issue: 26 March 2026
Expiry Date: 11 April 2027

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4	**TEMPERATURE INSTALLATIONS AND DEVICES**			
4.1	**Iso-thermal Media evaluation (Multi location over time monitoring)**			
4.1.1	Steam Sterilizers (Temperature, Pressure, Time)	20 °C to 125 °C 0 to 400 kPa (abs) 0 to 120 minutes	2,0 K 30 kPa 10 s	Calibration by temperature mapping over time using reference thermometers and/or loggers including calibration of the timing and pressure indicating device.
4.1.2	Environmental Chambers	- 80 °C to 10 °C 10 °C to 60 °C 60 °C to 150 °C	2,0 K 2,0 K 4,4 K	Calibration by temperature mapping over time using reference thermometers and/or loggers.
4.1.3	Furnace, Ovens			
4.1.4	Fridges, Freezers			
4.1.5	Incubators			
4.1.6	Liquid baths			

Original Date of Accreditation: 18 August 2023

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