


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS CALIBRATION</p> <p>0828</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Boost Labcare Limited</p> <p>Issue No: 018 Issue date: 24 August 2021</p>	
	<p>Jubilee Cottage Ham Road Brent Knoll Somerset TA9 4BJ</p>	<p>Contact: Mr Gary White Tel: +44 ((0)1278 788283 Fax: +44 (0)1934 310460 E-Mail: garywhite@boostlabcare.co.uk Website: www.boostlabsales.co.uk</p>
<p>Calibration performed by the Organisations at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Jubilee Cottage Ham Road Brent Knoll Somerset TA9 4BJ</p> <p>Local contact Mr Gary White Tel: +44 (0)1934 631765 Fax: +44 (0)1934 310460 E-Mail: garywhite@boostlabcare.co.uk Website: www.boostlabsales.co.uk</p>	<p>Temperature</p> <p>Rotational speed</p>	<p>Lab</p>

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Customer Premises; e.g., Hospitals, Laboratories and Manufacturing & Processing Plants</p>	<p>Time Pressure Temperature Rotational speed</p>	<p>Site</p>



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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ($k = 2$)	Remarks	Location Code
TEMPERATURE				
Temperature controlled autoclaves, media preparators, chambers, environmental cabinets and ovens and similar apparatus	-20 °C to +140 °C 140 °C to 200 °C	0.54 °C 0.73 °C	Calibration performed within air chamber	Site
Temperature indicators, controllers and recorders, with temperature sensor(s)	-20 °C to +140 °C -20 °C to +140 °C 140 °C to 200 °C	0.11 °C 0.20 °C 0.19 °C	Calibration performed within Metal Block Baths	Lab Site
TIME INTERVAL				
Timers	10 s to 3600 min	1.0 s	Calibration with reference timer	Site
PRESSURE				
Gas pressure (gauge) Calibration of pressure indicating instruments and gauges	-85 kPa to 2000 kPa	1.3 kPa	Methods consistent with EURAMET CG17	Site
ROTATIONAL SPEED				
Centrifuges	100 rpm to 20000 rpm	0.12%	Calibration with reference digital tachometer	Lab & Site
END				



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Appendix - Calibration and Measurement Capabilities

Introduction

The definitive statement of the accreditation status of a calibration laboratory is the Accreditation Certificate and the associated Schedule of Accreditation. This Schedule of Accreditation is a critical document, as it defines the measurement capabilities, ranges and boundaries of the calibration activities for which the organisation holds accreditation.

Calibration and Measurement Capabilities (CMCs)

The capabilities provided by accredited calibration laboratories are described by the Calibration and Measurement Capability (CMC), which expresses the lowest measurement uncertainty that can be achieved during a calibration. If a particular device under calibration itself contributes significantly to the uncertainty (for example, if it has limited resolution or exhibits significant non-repeatability) then the uncertainty quoted on a calibration certificate will be increased to account for such factors.

The CMC is normally used to describe the uncertainty that appears in an accredited calibration laboratory's schedule of accreditation and is the uncertainty for which the laboratory has been accredited using the procedure that was the subject of assessment. The measurement uncertainty is calculated according to the procedures given in the GUM and is normally stated as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. An accredited laboratory is not permitted to quote an uncertainty that is smaller than the published measurement uncertainty in certificates issued under its accreditation.

Expression of CMCs - symbols and units

It should be noted that the percentage symbol (%) represents the number 0.01. In cases where the measurement uncertainty is stated as a percentage, this is to be interpreted as meaning percentage of the measurand. Thus, for example, a measurement uncertainty of 1.5 % means $1.5 \times 0.01 \times q$, where q is the quantity value.

The notation $Q[a, b]$ stands for the root-sum-square of the terms between brackets: $Q[a, b] = [a^2 + b^2]^{1/2}$