

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 31011 Accredited to ISO/IEC 17025:2017	AB Scientific Ltd	
	Issue No: 001 Issue date: 14 May 2025	
	124 City Road London EC1V 2NX	Contact: Mr Neil Diamond Tel: +44 (0) 208 396 6171 Fax: +44 (0) 208 396 6233 E-Mail: service@abscientific.com Website: www.abscientific.com
Calibration performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address 124 City Road London EC1V 2NX Contact Mr Neil Diamond Tel: +44 (0) 208 396 6171 Fax: +44 (0) 208 396 6233 E-Mail: service@abscientific.com Website: www.abscientific.com	Administration only	HQ
Address Portland Close Townsend Industrial Estate Houghton Regis LU5 5AW Contact Mr Neil Diamond Tel: +44 (0) 208 396 6171 Fax: +44 (0) 208 396 6233 E-Mail: service@abscientific.com Website: www.abscientific.com	Calibration of microbial air samplers	Lab

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customers site The location must be suitable for the nature of the particular calibrations undertaken and will be the subject of contract review arrangements between the laboratory and the customer	Calibration of microbial air samplers	Site



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

AB Scientific Ltd

Issue No: 001 Issue date: 14 May 2025

Calibration performed by the Organisation at the locations specified

Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ($k = 2$)	Remarks	Location Code
CALIBRATION OF MICROBIAL AIR SAMPLERS				Lab and Site
Gas Flow rate	1 slpm to 200 slpm	Q [1.7 %, 0.10 slpm]	Comparison method with a reference mass flow meter slpm standard litre per minute at 21.1 °C and 101325 Pa	
Time	Nominal 2 minutes	0.68 seconds	Comparison with a stopwatch	
END				



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

AB Scientific Ltd

Issue No: 001 Issue date: 14 May 2025

Calibration performed by the Organisation at the locations specified

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: $Q[a, b] = [a^2 + b^2]^{1/2}$