# Schedule of Accreditation

issued by

## **United Kingdom Accreditation Service**

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



### Locations covered by the organisation and their relevant activities

### Laboratory locations:

Location details		Activity	Location code
Address Cherrywood Chineham Park Chineham Basingstoke Hampshire RG24 8WF	<b>Local contact</b> Daniel Clubley Tel: +44 (0)1256 705570 E-mail: ukaslab@labcold.com	Temperature	L

### Site activities performed away from the locations listed above:

Location details		Activity	Location code
Any Customer Premises	Contact: Customer service	Temperature	S
The customer's site or premises 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	Tel: +44 (0)1256 705580 E-mail: service@labcold.com		

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	Labcold Limited	
8898	Issue No: 008 Issue date: 18 July 2025	
Accredited to ISO/IEC 17025:2017		
Calibration performed by the Organisation at the locations specified		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ( <i>k</i> = 2)	Remarks	Location Code
TEMPERATURE Temperature controlled refrigerators, freezers, plasma thawers, incubators,	-80 °C to -40 °C -40 °C to 0 °C 0 °C to +100 °C	1.08 °C 0.65 °C 0.45 °C	Single or dual monitoring probes Using thermocouples	L, S
temperature controlled enclosures, inclusive of associated Indicators, controllers and recorders, all with sensors within the specified parameters and ranges.	-34 °C to 45 °C	0.16 °C	Using reference PRT probes and indicator	
Probes with indicators	-80 °C to 100 °C	0.08 °C	Calibration performed within Metal Block Baths.	L
END				

### Calibration and Measurement Capability (CMC)

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