Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0467

Accredited to ISO/IEC 17025:2017

Devon County Council trading as Heart of the South West Calibration Services

Issue No: 023 **Issue date:** 16 June 2026

Heart of the South West Trading Standards Service
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Exeter
EX2 4QH

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E-Mail: calibration@devon.gov.uk
Website: www.devonsomersettradingstandards.gov.uk/weight-testing-service

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 Heart of the South West Calibration Services Heart of the South West Trading Standards Service County Hall Topsham Road Exeter EX2 4QD **Local contact** As above	Mass - Weights and artefacts	A
Address Heart of the South West Calibration Services Heart of the South West Trading Standards Service West Buckland Road Chelston Somerset TA21 9HP **Local contact** As above	Mass - Weights and artefacts	B

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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
MASS	Nominal value (g)	(mg)		A, B
Weights and artefacts	25 000 20 000 10 000 5 000 2 000 1 000 500 200 100 50 20 10 5 2 1 0.5 0.2 0.1 0.05 0.02 0.01 0.005 0.002 0.001	75 20 10 5.0 2.0 1.0 0.26 0.10 0.053 0.033 0.026 0.020 0.016 0.013 0.010 0.0083 0.0066 0.0053 0.0040 0.003 0.0026 0.0020 0.0020 0.0020	1. Calibrations can be given in other units as required. 2. Intermediate values can be calibrated with an uncertainty interpolated from the next higher and lower values in the table above. 3. Calibration by comparison using Borda's method of substitution.	
END				

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