


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> CALIBRATION  8296  Accredited to ISO/IEC 17025:2017	<b>Phoenix Scales Limited</b>  Issue No: 007    Issue date: 16 August 2021	
	34 Oldbury Road West Bromwich B70 9ED United Kingdom	Contact: Mr John Darroch Tel: 0121 520 9048 Fax: 0121 557 4006 E-Mail: <a href="mailto:jdarroch@phoenixscales.co.uk">jdarroch@phoenixscales.co.uk</a> Website: <a href="http://www.phoenixscales.co.uk">www.phoenixscales.co.uk</a>
Calibration performed by the Organisations at the locations specified below		

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

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> 34 Oldbury Road West Bromwich B70 9ED United Kingdom  <b>Local contact</b> Mr John Darroch	Calibration of Non Automatic Weighing Machine	P

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

Location details	Activity	Location code
At Customers Premises  The customers' 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.	Calibration Engineer  Calibration of Non Automatic Weighing Machine	S



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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ( $k = 2$ )	Remarks	Location Code
NON-AUTOMATIC WEIGHING MACHINES See notes 1 and 2.	100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg 30 kg  50 kg 100 kg 200 kg 500 kg 1000 kg 2000 kg 4000 kg 6000 kg	0.14 mg 0.28 mg 0.70 mg 1.40 mg 2.80 mg 9.60 mg 19.5 mg 66.0 mg 81.5 mg  768.0 mg 1.6 g 4.3 g 13.0 g 30.0 g 69.0 g 120.0 g 175.0 g	1. Weights are available in OIML Class:  E2 0.1 g to 1 kg. Max grouped load 2.1 kg  F1 0.1 g to 10 kg. Max grouped load 31 kg  M1 100 g to 1000 kg. Max grouped load 6000 kg.  2. Other loads within the overall listed range may also be used.  Methods based on the requirements of Euramet guide cg-18	S
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:  $Q[a, b] = [a^2 + b^2]^{1/2}$