

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>0430</b>  Accredited to ISO/IEC 17025:2017	<b>D Brash &amp; Sons Ltd</b>	
	Issue No: 024    Issue date: 18 August 2021	
	37 Stamperland Crescent Clarkston Glasgow G76 8LH	Contact: Mr G Emerton Tel: +44 (0)141-638 2284 Fax: +44 (0)141-620 1842 E-Mail: sales@dbrash.co.uk Website: www.brash-scales.com

Calibration performed by the Organisations at the locations specified below

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

#### Laboratory locations:

Location details	
<b>Address</b> 37 Stamperland Crescent Clarkston Glasgow G76 8LH	<b>Local contact</b> Mr S Langlands Tel: +44 (0)141-638 2284 Fax: +44 (0)141-620 1842 E-Mail: sales@dbrash.co.uk
<b>Address</b> Unit 7, Slough Business Centre Bristol Way Slough Berkshire SL1 3TD	<b>Local contact</b> Mr G Emerton Contact: Mr G Emerton Tel: +44 (0) 1753 511 801 Fax: +44 (0) 1753 694 447 E-Mail: sloughsales@dbrash.co.uk

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

Location details	Activity	Location code
Any customer premises	Mass – weighing machines (non-automatic)	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	200 mg	0.015 mg	1. Weights are available in OIML Class	S	
	500 mg	0.020 mg			
	1 g	0.025 mg	E2 from 1 mg to 500 g Max grouped load 2 kg		
	2 g	0.030 mg			
	5 g	0.038 mg	F1 from 1 g to 20 kg Max grouped load 60 kg		
	10 g	0.051 mg			
	20 g	0.067 mg	M1 from 1 kg to 60 kg Max. grouped load 3000 kg		
	50 g	0.095 mg			
	100 g	0.17 mg	2. Make-up weights may be used for calibration above 300 kg, and will be used for calibrations above 3000 kg up to a maximum of 9000 kg.  3. Methods consistent with EURAMET CG18		
	200 g	0.34 mg			
	500 g	0.85 mg			
	1 kg	1.7 mg			
	2 kg	3.4 mg			
	5 kg	9.5 mg			
	10 kg	19 mg			
	20 kg	39 mg			
	50 kg	110 mg			
	60 kg	130 mg			
	100 kg	1.7 g			
	200 kg	4.4 g			
	500 kg	10 g			
	1000 kg	20 g			
	1500 kg	26 g			
	2000 kg	44 g			
	3000 kg	56 g			
	4000 kg	90 g			
	5000 kg	100 g			
6000 kg	160 g				
7000 kg	170 g				
8000 kg	180 g				
9000 kg	190 g				
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:  $Q[a, b] = [a^2 + b^2]^{1/2}$