


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p style="text-align: center;"><b>0335</b></p> <p style="text-align: center;">Accredited to <b>ISO/IEC 17025:2005</b></p>	<b>Glasgow City Council</b>	
	<b>Issue No: 031    Issue date: 13 December 2010</b>	
<b>Land &amp; Environmental Services</b> <b>Calibration and Test Centre</b> <b>Colston Laboratory</b> <b>64 Everard Drive</b> <b>Glasgow</b> <b>G21 1XG</b>	<b>Contact: Mr C Hirst</b> <b>Tel: +44 (0)141 276 0660</b> <b>Fax: +44 (0)141 276 0640</b> <b>E-Mail: caltest@glasgow.gov.uk</b> <b>Website: glasgow.gov.uk</b>	
<b>Calibration performed by the Organisations at the locations specified below</b>		

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

#### Laboratory locations:

Location details	Activity	Location code		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"><b>Address</b> Land &amp; Environmental Services Calibration and Test Centre Colston Laboratory 64 Everard Drive Glasgow G21 1XG</td> <td style="width: 50%; vertical-align: top;"><b>Local contact</b> Mr C Hirst</td> </tr> </table>	<b>Address</b> Land & Environmental Services Calibration and Test Centre Colston Laboratory 64 Everard Drive Glasgow G21 1XG	<b>Local contact</b> Mr C Hirst	Mass Temperature Torque Volume	P
<b>Address</b> Land & Environmental Services Calibration and Test Centre Colston Laboratory 64 Everard Drive Glasgow G21 1XG	<b>Local contact</b> Mr C Hirst			

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

Location details	Activity	Location code
Customers' sites or premises  The customer's sites or premises must be suitable for the nature of the particular calibrations undertaken and will be subject of contract review arrangements between the laboratory and the customer	Mass - weighing machines (non-automatic)  Temperature	S



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks	Location Code
MASS	Nominal value (g)	(mg)	NOTES	P
	25 000	250	1 Intermediate values can be calibrated with an uncertainty not less than that interpolated from the next higher and lower nominal value in the table.  2 Calibrations can be given in other units as required	
	20 000	20		
	10 000	10		
	5 000	5.0		
	2 000	2.0		
	1 000	1.0		
	500	0.25		
	200	0.10		
	100	0.050		
	50	0.030		
	20	0.025		
	10	0.020		
	5	0.015		
	2	0.012		
	1	0.010		
	0.5	0.0080		
	0.2	0.0060		
	0.1	0.0050		
	0.05	0.0040		
	0.02	0.0030		
	0.01	0.0030		
	0.005	0.0020		
	0.002	0.0020		
	0.001	0.0020		
		See Notes 1 and 2		



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks	Location Code
NON AUTOMATIC WEIGHING MACHINES	5 mg 50 mg 200 mg 500 mg  1g 2 g 5 g 10 g 20 g 50 g 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	0.0030 mg 0.0061 mg 0.0091 mg 0.012 mg  0.015 mg 0.018 mg 0.024 mg 0.033 mg 0.045 mg 0.074 mg 0.14 mg 0.28 mg 0.69 mg  1.9 mg 3.8 mg 9.6 mg 19 mg 39 mg 58 mg 0.80 g 1.7 g 4.4 g 10 g 19 g 43 g  See notes 3 and 4	3. Weights are available in OIML Class  E2 from 1 mg to 500 g Max grouped load 900 g  F1 from 1 g to 20 kg Max grouped load 41 kg  M1 from 1 g to 20 kg Max. grouped load 2541 kg  4. Other loads within the overall listed range may also be used	S
TORQUE  Hand torque tools	To BS EN ISO 6789:2003  1.0 N.m to 1350 N.m	0.75 %		P
TEMPERATURE  Liquid-in-glass thermometers				P
Electronic thermometers with sensors	- 30 °C to 250 °C  - 30 °C to 250 °C  250 °C to 600 °C	0.020 °C  0.020 °C  2.0 °C		
Temperature controller chambers, furnaces, ovens and liquid baths	- 30 °C to 250 °C  250 °C to 600 °C	1.0 °C  2.0 °C		S



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks	Location Code
VOLUME of liquids	2 000 cm <sup>3</sup> to 100 litres 2 000 cm <sup>3</sup> 1 000 cm <sup>3</sup> 500 cm <sup>3</sup> 200 cm <sup>3</sup> 100 cm <sup>3</sup> 50 cm <sup>3</sup> 20 cm <sup>3</sup> 10 cm <sup>3</sup> 5 cm <sup>3</sup> 2 cm <sup>3</sup> 1 cm <sup>3</sup>	0.010 % of volume 0.12 cm <sup>3</sup> 0.08 cm <sup>3</sup> 0.050 cm <sup>3</sup> 0.030 cm <sup>3</sup> 0.020 cm <sup>3</sup> 0.010 cm <sup>3</sup> 0.0060 cm <sup>3</sup> 0.0040 cm <sup>3</sup> 0.0030 cm <sup>3</sup> 0.0030 cm <sup>3</sup> 0.0020 cm <sup>3</sup>  See note 5	5 Calibration is normally undertaken at a reference temperature of 20 °C unless otherwise reported.	P
END				