


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS CALIBRATION</p> <p>0205</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>National Measurement Office</h3> <p>Issue No: 029 Issue date: 01 April 2011</p>	
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<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks
MASS	<p>Nominal value (kg)</p> <p>1000 500 250 100 60 50</p> <p>Nominal value (g)</p> <p>30 000 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</p>	<p>(mg)</p> <p>3 000 250 125 50 10 6.0</p> <p>(mg)</p> <p>5.0 2.9 1.0 0.50 0.22 0.085 0.055 0.023 0.010 0.007 0 0.005 0 0.004 0 0.003 0 0.001 0 0.000 80 0.000 70 0.000 60 0.000 50 0.000 50 0.000 50 0.000 50 0.000 50 0.000 50 0.000 50</p>	<p>NOTES</p> <p>1. Intermediate values can be calibrated with an uncertainty equal to that of the next higher nominal value.</p> <p>2. Calibrations can be given in other units as required.</p>



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k = 2)	Remarks
LENGTH	(mm)	(μ m)	
Precision scales (linear)	0 to 2300	1.0 + (1.0 x length in m)	
High quality invar tapes	0 to 50 m	10 + (0.6 x length in m)	
Graduated tapes, bands, and scales (linear)	0 to 50 m	25 + (3.0 x length in m)	
VOLUME			
Metal contents and delivery measures	1 litres to 500 litres	0.008 %	
Burettes	Nominal value (mL)	(mL)	
	10	0.014	
	25	0.020	
	50	0.037	
	100	0.066	
Automatic pipettes	Nominal value (mL)	(mL)	
	5	0.011	
	10	0.013	
	20	0.016	
	25	0.020	
	50	0.033	
	70	0.042	
	100	0.052	
	125	0.059	
	150	0.067	
	175	0.074	
	200	0.082	
	250	0.090	
	500	0.12	
	1000	0.17	
	2000	0.26	
	2500	0.30	
	5000	0.47	
	10000	0.74	
	20000	1.2	
Manual graduated pipettes	Nominal value (mL)	(mL)	
	1	0.004 0	
	2	0.006 0	
	5	0.010	
	10	0.016	
	25	0.036	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks
VOLUME (cont'd)			
Measuring cylinders	Nominal value (mL)	(mL)	
	5	0.021	
	10	0.038	
	25	0.083	
	50	0.14	
	100	0.19	
	250	0.35	
	500	0.62	
	1000	0.95	
	2000	1.8	
Flasks	Nominal value (mL)	(mL)	
	5	0.007 0	
	10	0.010	
	20	0.013	
	25	0.016	
	35	0.026	
	50	0.032	
	70	0.037	
	100	0.044	
	125	0.051	
	150	0.058	
	175	0.066	
	200	0.075	
	250	0.084	
	500	0.104	
	1000	0.13	
	2000	0.23	
	2500	0.30	
	5000	0.48	
	10000	0.80	
END			