


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0630</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>The Tintometer Limited</h3> <p>Issue No: 012 Issue date: 25 January 2011</p>	
	<p>Lovibond House Solar Way Solstice Park Amesbury SP4 7SZ</p>	<p>Contact: Dr P Clarke Tel: +44 (0)1980 664800 Fax: +44 (0)1980 625412 E-Mail: sales@tintometer.com Website: www.tintometer.com</p>
<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
SPECTRAL TRANSMITTANCE	<i>Wavelength 380 nm to 780 nm</i> T <= 20% T > 20%	(0.014T + 0.020) % 0.30	Measured at intervals 1, 2, 5 or 10 nm
Luminous transmittance		0.30	
ISO 2049 A.2.2 Daylight Filter	<i>Wavelength 380 nm to 780 nm</i> T <= 20%: T > 20%	(0.014T + 0.020) % 0.30	Compliance derivation in accordance with A.2.2
ABSORBANCE	<i>Wavelength 380 nm to 780 nm</i>	T % uncertainty transformed to absorbance	T % to absorbance = -log ₁₀ (T % / 100)
Glass colour reference materials			
CIE tristimulus values derived from spectral transmittance data	<i>Wavelength 380 nm to 780 nm</i> X Y Z x y z L* a* b*	0.30 0.30 0.30 0.00040 0.00040 0.00040 0.20 0.20 0.20	Mathematical derivation in accordance with CIE Document 15.2 and ASTM E308-08
UCS Judd rgb derived from CIE tristimulus values	<i>Wavelength 380 nm to 780 nm</i> r g b	0.0010 0.0010 0.0010	
ASTM colour Saybolt	0.5 to 8 + 30 to - 16	0.10 1.0	Mathematical derivation in accordance with ASTM D6045
Gardner colour	1 to 18	0.10	Mathematical derivation in accordance with ASTM D6166



0630
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

The Tintometer Limited
Issue No: 012 Issue date: 25 January 2011

Calibration performed at main address only

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks
Liquid colour reference materials			
CIE tristimulus values	<i>Wavelength 380 nm to 780 nm</i> Y x y	0.94 0.0011 0.00080	Mathematical derivation in accordance with CIE Document 15.2 and ASTM E308-08
ASTM colour Saybolt	0.5 to 8 + 30 to -16	0.10 1.0	Mathematical derivation in accordance with ASTM D6045
Gardner colour	1 to 18	0.10	Mathematical derivation in accordance with ASTM D6166
Platinum-Cobalt Colour	0 to 500	1.0	Mathematical derivation based on CIE tristimulus values
END			