Lovibond® Colour Measurement

Tintometer® Group

Certified Reference Standards

Oils, Fuels and Chemicals

COLOUR SCALES

- AOCS-Tintometer
- ASTM Color
- Gardner
- Lovibond® RYBN
- PT-Co/Hazen/APHA
- Saybolt

www.lovibondcolour.com

Certified Colour Reference Standards

• Ideal for routine calibration of colour measuring instruments & verification of test data
• Ensure good inter-laboratory and inter-instrument correlation
• Applications in statistical quality control (SQC) and statistical process control (SPC)
• High stability standards with a guaranteed 12-month shelf-life
• Full traceability to internationally recognised standards
        - ASTM, Gardner & Saybolt Colour standards certified to ISO 17025
        - AOCS-Tintometer, Lovibond® RYBN & Pt-Co Colour certified under ISO 9001 quality system
• Each bottle supplied with full certification including MSDS

Covers the Key Colour Scales applied to Oils, Fuels & Chemicals

The range of Lovibond® colour reference standards includes AOCS-Tintometer, ASTM, Gardner, Lovibond® RYBN, Pt-Co/Hazen/APHA and Saybolt Colour, the key colour scales applied to oils, fuels & chemicals. Each standard is supplied in a 500 mL bottle with a 12-month guarantee of colour stability. The values indicated are typical nominal values; individual values may vary but these are always specified on the certificate of calibration supplied with each standard.

Excellence in Colour Measurement

Process industries throughout the world use Lovibond® colorimeters for colour control of products such as edible and industrial oils, fuels, chemicals, paint vehicles and coatings. The Lovibond® brand is recognised by major international standardising bodies, including the AOCS, ISO and ASTM. It is this unparalleled knowledge that ensures good correlation with Lovibond® colorimeters.

Colour Scale	Nominal Certified Value Certified Value	Order Code	Accreditation Standard
AOCS-Tintometer Colour (AOCS Cc 13j-97, Cc 13b-45)	0.4R 2.0Y ($5^1/_4$")	134240	ISO 9001
	1.6R 9.0Y ($5^1/_4$")	134250	ISO 9001
	1.9R 12.0Y ($5^1/_4$")	134260	ISO 9001
	2.5R 20.0Y ($5^1/_4$")	134270	ISO 9001
	3.0R 28.0Y ($5^1/_4$")	134280	ISO 9001
ASTM Color (ASTM D6045, D1500)	0.4 (<0.5)	134290	ISO 17025
	1	134000	ISO 17025
	3	134010	ISO 17025
	5	134020	ISO 17025
	7	134030	ISO 17025
Gardner Colour (ASTM D1544, D6166)	2	134200	ISO 17025
	5	134210	ISO 17025
	8	134220	ISO 17025
Lovibond RYBN Colour (AOCS Cc 13j-97)	0.8R 2.0Y 0.1N ($5^1/_4$")	134080	ISO 9001
	1.4R 4.0Y 0.5N ($5^1/_4$")	134090	ISO 9001
	2.0R 7.0Y 0.5N ($5^1/_4$")	134100	ISO 9001
	2.1R 11.0Y 0.5N ($5^1/_4$")	134110	ISO 9001
	2.5R 14.0Y 0.7N ($5^1/_4$")	134120	ISO 9001
	3.1R 22.0Y 0.8N ($5^1/_4$")	134130	ISO 9001
	3.4R 30.0Y 0.9N ($5^1/_4$")	134230	ISO 9001
Platinum-Cobalt Colour (ASTM D1209)	5mg Pt/l	134140	ISO 9001
	10mg Pt/l	134150	ISO 9001
	15mg Pt/l	134160	ISO 9001
	30mg Pt/l	134170	ISO 9001
	50mg Pt/l	134180	ISO 9001
	100mg Pt/l	134190	ISO 9001
	500mg Pt/l	462803	ISO 9001
Saybolt Colour (ASTM D6045, D156	-10	134040	ISO 17025
	0	134050	ISO 17025
	+12	134060	ISO 17025
	+25	134070	ISO 17025

Quality Assurance

Lovibond® colour reference standards are produced for Tintometer by Paragon Scientific, the UK based manufacturer of certified reference materials with a reputation for analytical excellence. Each standard is issued with a Certificate of Calibration, which confirms that the product has been manufactured and tested under the control of Tintometer's ISO 9001 Quality Management System and conforms in all respects with the stated standard or test method. In addition, Tintometer has been awarded UKAS (United Kingdom Accreditation Service) accreditation as a colour calibration laboratory for spectral response and CIE measurements. As a result, we are able to supply reference standards for Saybolt, ASTM and Gardner Colour that are directly traceable to internationally recognised standards and certified to ISO/IEC 17025.