



Colour Scales

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

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 under UKAS to ISO 17025
 - AOCS-Tintometer, Lovibond RYBN & Pt-Co Colour certified under ISO 9001 quality system
- All classified as non-hazardous according to EU directives
- 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, who quote our equipment in their specifications for colour measurement. It is this unparalleled knowledge that ensures good correlation with Lovibond colorimeters.

Colour Scale	Nominal	Order Code	Accreditation
	Certified Value		Standard
AOCS-Tintometer Colour	0.3R 2.0Y (5 ¹ / ₄ ")	134240	ISO 9001
(AOCS Cc 13j-97, Cc 13b-45)	1.0R 9.0Y (5 ¹ / ₄ ")	134250	ISO 9001
	1.2R 12.0Y (5 ¹ / ₄ ")	134260	ISO 9001
	2.2R 22.0Y (5 ¹ / ₄ ")	134270	ISO 9001
	3.6R 28.0Y (5 ¹ / ₄ ")	134280	ISO 9001
	0.4 (<0.5)	134290	UKAS
ASTM Color	1	134000	UKAS
(ASTM D6045, D1500)	3	134010	UKAS
	5	134020	UKAS
Gardner Colour	2	134200	UKAS
(ASTM D1544, D6166)	5	134210	UKAS
	8	134220	UKAS
Lovibond RYBN Colour	0.4R 1.9Y 0.1N (5 ¹ / ₄ ")	134080	ISO 9001
(AOCS Cc 13j-97)	1.0R 4.3Y 0.1N (5 ¹ / ₄ ")	134090	ISO 9001
-	1.4R 7.3Y 0.2N (51/4")	134100	ISO 9001
	1.6R 11.0Y 0.1N (51/4")	134110	ISO 9001
	1.8R 14.0Y 0.3N (51/4")	134120	ISO 9001
	2.5R 24.0Y 0.5N (51/4")	134130	ISO 9001
	3.3R 33.0Y 0.3N (51/4")	134230	ISO 9001
Platinum-Cobalt Colour	5	134140	ISO 9001
(ASTM D1209)	10	134150	ISO 9001
	15	134160	ISO 9001
	30	134170	ISO 9001
	50	134180	ISO 9001
	100	134190	ISO 9001
Saybolt Colour	-10	134040	UKAS
(ASTM D6045, D1500)	0	134050	UKAS
•	+12	134060	UKAS
	+25	134070	UKAS



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 and first-class customer service. 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 under UKAS to ISO/IEC 17025.





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