



Colour Grading of Pharmaceutical Solutions according to the European Pharmacopoeia Colour Series

Lovibond® AF 332 Test Kit



EP Colour Grading

European Pharmacopoeia methods for colour assessment of pharmaceutical solutions are based on a visual comparison with liquid standards formulated from dilutions of primary red, yellow and blue. However, the colour of these liquid standards is stable only for a limited period so, to ensure reliable results, new stock solutions must be prepared regularly. Their preparation requires considerable time and care as any slight variation may give rise to inaccuracies and inconsistent results. By comparison, glass colour standards are simple to use, quick to obtain results and eliminate the time-consuming procedures involved when using liquid standards for colour grading.

Tests conducted by the Swiss Federal Department of Health concluded that the Lovibond Comparator System 2000 with glass colour standards was as reliable for colour grading of pharmaceutical solutions as the standard colour test solutions specified in the European Pharmacopoeia.

AF 332 Test Kit for Visual Grading of EP Colour

Based on the Lovibond® Comparator System 2000, this kit is a convenient means of ordering the complete range of equipment required for grading pharmaceutical solutions according to the EP Colour series. It includes five colour-grading discs, each containing stable-coloured glass standards that precisely match the reference solutions specified in the European Pharmacopoeia. The sample (in a 40 mm glass cell) is viewed in a Lovibond Comparator 2000+ with the appropriate test disc until a colour match is obtained.

Comparator 2000+	A high quality comparator instrument designed for colour matching of liquid samples with the precalibrated coloured glass standards housed in Lovibond test discs. It includes an integrated prism, which brings the sample and the colour standard together in a single field of view and an adjustable sample cell compartment.
Daylight 2000 Lighting Unit	Accuracy in colour grading benefits from a constant and stable light source. The Daylight 2000 Lighting Unit is a standardised bench-top light source, which guarantees constant and uniform lighting conditions for colour matching, 24 hours a day and irrespective of ambient lighting.
EP Red series disc 4/64A	Test disc containing 7 glass filters precalibrated to R1, R2, R3, R4, R5, R6, R7
EP Yellow series disc 4/64B	Test disc containing 7 glass filters precalibrated to Y1, Y2, Y3, Y4, Y5, Y6, Y7
EP Brown series disc 4/64C	Test disc containing 9 glass filters precalibrated to B1, B2, B3, B4, B5, B6, B7, B8, B9
EP Brown/Yellow series disc 4/64D	Test disc containing 7 glass filters precalibrated to BY1, BY2, BY3, BY4, BY5, BY6, BY7
EP Green/Yellow series disc 4/64E	Test disc containing 7 coloured glass filters precalibrated to GY1, GY2, GY3, GY4, GY5, GY6, GY7
2 x W680/OG/40 mm cell	A pair of precision fused optical glass cells with a 40 mm path length

Order Code 43 33 20. The items contained in the kit can also be ordered individually if required.