

# Lovibond® Colour Measurement Tintometer® Group



## AF335 USP Colour Scale

Self-Contained Kit to Grade Pharmaceutical Solutions According to USP Colour



- Fast, Economical & Portable Visual Matching
- Two-Field Vision for Accurate Results
- Ability to Guarantee Constant Lighting Conditions

Part Number: 433350

### Everything You Need to Grade Pharmaceutical Solutions According to USP Colour

This kit includes four colour-grading discs, each containing stable-coloured glass standards that represent a portion of the US Pharmacopoeia Colour scale. 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.

### Fast, Economical & Portable Visual Matching

The Comparator 2000+ is a flexible, modular system for Visual Colour Grading. Using a suitable comparator instrument and glass disc, you can quickly visually match the sample directly against the calibrated, colour stable glass standards.

### Two-Field Vision for Accurate Results

Lovibond® comparator instruments include an integrated prism which causes the sample and comparison fields to overlap, allowing enhanced colour discrimination and matching. The prism is ultrasonically sealed to prevent contamination of the optics. Each individually graded glass standard represents a discrete step on the measurement range (as opposed to a continuous graduation), aiding colour discrimination and allowing great accuracy of results.

### Ability to Guarantee Constant Lighting Conditions

An optional item for the Comparator 2000+ is the Daylight 2000 Lighting Unit. This is a standardised light source which guarantees you a constant lighting condition for accurate colour grading. This is particularly useful when the sample is very pale in colour. By using a Lovibond® lighting unit, you can be confident of uniform lighting conditions for colour matching, 24 hours a day and irrespective of ambient lighting.

### Supports Multiple Path Lengths

The standard Comparator 2000+ is a short path length instrument (up to 40 mm) to be used with relatively dark colours. Nessleriser systems are longer path length instruments to enable you to match a column of sample in a glass cylinder of appropriate path length. They are designed for measuring unsaturated samples that are below the sensitivity of the Comparator 2000.

### Extended Shelf Life

The unique feature of Lovibond® test discs is that they incorporate coloured glass standards that are colour stable and not affected by UV light or extreme environmental conditions.

### One Instrument - 100's of Discs

There are literally hundreds of glass discs available for you to choose from: ranging from the more standard scales such as the EBC (European Brewing Convention) scale to more obscure scales or even bespoke scales that we have made for customers. No challenge is too great.

### Integrated Kits for On-Site, Immediate Use

For several scales, we also provide integrated kits containing everything you need to start measuring straight from the box.

Please note, we cannot guarantee compatibility of discontinued Lovibond® Comparator 1000 disks with the Lovibond® 2000+ Comparator.

## Industry

Pharmaceutical Industry

## Application

Medical and Clinical Products | Pharmaceuticals and Cosmetics

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The Comparator 2000+ is an easy-to-use, entry level colour measurement system that compares the colour of the sample directly against the colour of glass in a disc. All you need to do is rotate the disc to get the closest result to the scale.

## Technical Data

<b>Applicable Standard</b>	USP 631
<b>Colour Type</b>	Transparent
<b>Portability</b>	Portable

## Delivery Scope

- Kit Containing
- 1 x Lovibond® 2000+ Comparator
- 1 x Comparator Daylight 2000+
- 1 x 4/66A USP Disc Range A-E
- 1 x 4/66B USP Disc Range F-J
- 1 x 4/66C USP Disc Range K-O
- 1 x 4/66D USP Disc Range P-T
- 2 x W680/OG/40mm Cell (Cal 20ml)

### Tintometer GmbH

Lovibond® Water Testing  
Schleefstraße 8-12  
44287 Dortmund  
Tel.: +49 (0)231/94510-0  
Fax: +49 (0)231/94510-30  
sales@lovibond.com  
www.lovibond.com  
Germany

### The Tintometer Limited

Lovibond House  
Sun Rise Way  
Amesbury, SP4 7GR  
Tel.: +44 (0)1980 664800  
Fax: +44 (0)1980 625412  
sales@lovibond.uk  
www.lovibond.com  
UK

### Tintometer China

Room 1001, China Life Tower  
16 Chaoyangmenwai Avenue,  
Beijing, 100020  
Tel.: +86 10 85251111 App. 330  
Fax: +86 10 85251001  
chinaoffice@tintometer.com  
www.lovibond.com  
China

### Tintometer South East Asia

Unit B-3-12, BBT One Boulevard,  
Lebuh Nilam 2, Bandar Bukit Tinggi,  
Klang, 41200, Selangor D.E  
Tel.: +60 (0)3 3325 2285/6  
Fax: +60 (0)3 3325 2287  
lovibond.asia@tintometer.com  
www.lovibond.com  
Malaysia

### Tintometer Brazil

Caixa Postal: 271  
CEP: 13201-970  
Jundiaí – SP  
Tel.: +55 (11) 3230-6410  
sales@tintometer.com.br  
www.lovibond.com.br  
Brazil

### Tintometer Inc.

6456 Parkland Drive  
Sarasota, FL 34243  
Tel: 941.756.6410  
Fax: 941.727.9654  
sales@lovibond.us  
www.lovibond.com  
USA

### Tintometer India Pvt. Ltd.

Door No: 7-2-C-14, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Floor  
Sanathnagar Industrial Estate,  
Hyderabad, 500018  
Telangana  
Tel: +91 (0) 40 23883300  
Toll Free: 1 800 599 3891/ 3892  
indiaoffice@lovibond.in  
www.lovibondwater.in  
India

### Tintometer Spain

Postbox: 24047  
08080 Barcelona  
Tel.: +34 661 606 770  
sales@tintometer.es  
www.lovibond.com  
Spain

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