

# Lovibond® Colour Measurement Tintometer® Group



## AF509C for Marine Diesel Fuel Type F76

Kit for Visual Color Grading of Type F76 Marine Diesel Fuels according to ASTM Color



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

Part Number: 415090

### Quick, On-site Color Measurement

This special kit enables you to quickly measure the color of type F76 marine diesel fuels according to a limited range of the ASTM Color Scale. It is designed to ensure that the correct fuel is used in motor vessels running with type F76 diesel, thereby avoiding errors in fuel use that can result in expensive corrective maintenance. The test is based on a direct color match between the sample and a test disc containing ASTM Color standards, enabling you to accept or reject the diesel fuel in a matter of minutes.

### Easy Determination

The Lovibond® AF 509/C includes a test disc containing a limited range of ASTM Color standards (1 - 5 units as opposed to the full range of 0.5 - 8 units). This is sufficient for this purpose since type F76 fuel has a target color of 3.5 ASTM Color and reduces the options for you to choose from.

### Fast, Economical & Portable Visual Matching

The Comparator 2000+ is a flexible, modular system for Visual Color Grading. Using a suitable comparator instrument and glass disc, you can quickly visually match the sample directly against the calibrated, color 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 color 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 color 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 standardized light source which guarantees you a constant lighting condition for accurate color grading. This is particularly useful when the sample is very pale in color. By using a Lovibond® lighting unit, you can confident of uniform lighting conditions for color matching, 24 hours a day and irrespective of ambient lighting.

### Extended Shelf Life

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

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

### Industry

Oil and Gas

### Application

Petroleum Oils and Waxes

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The Comparator 2000+ is an easy-to-use, entry level color measurement system that compares the color of the sample directly

against the color of glass in a disc. All you need to do is rotate the disc to get the closest result to the scale.

## Technical Data

**Applicable Standard** ASTM D1500  
ASTM D6045  
ISO 2049

**Color Type** Transparent

**Portability** Portable

## Delivery Scope

- Sturdy Case Including
- 1 x Lovibond 2000+ Comparator
- 1 x 4/81 ASTM Diesel Fuel Disc  
Precalibrated to 1, 2, 3, 4.5, 4, 4.5, 5
- 2 x W680.0G.33mm Cell
- 1 x Kit Instructions

**Tintometer GmbH**  
Lovibond® Water Testing  
Schleefstraße 8-12  
44287 Dortmund  
Tel.: +49 (0)231/94510-0  
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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