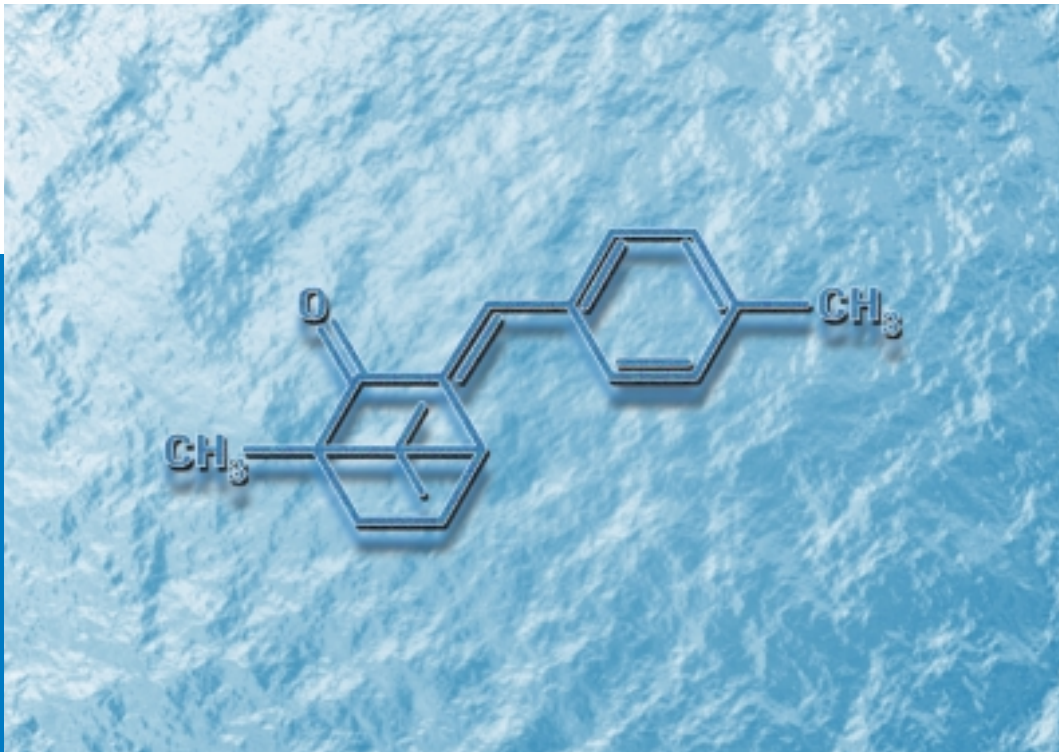


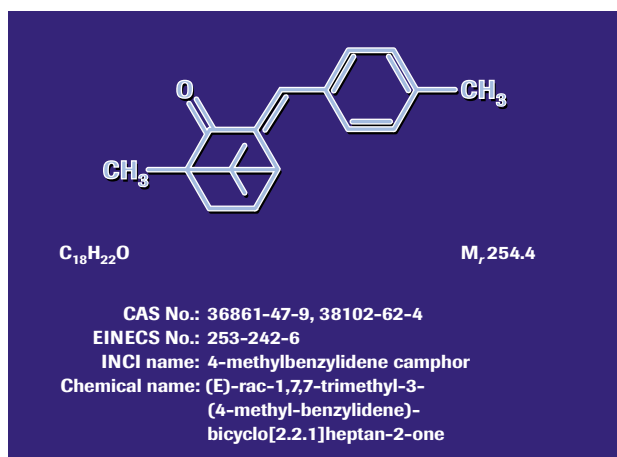
# PARSOL<sup>®</sup> 5000



## Description

PARSOL® 5000 is an oil-soluble UV-B filter, compatible with most commonly used cosmetic ingredients. It is used in association with other UV-B filters to raise SPF values with a minimum amount of active ingredients.

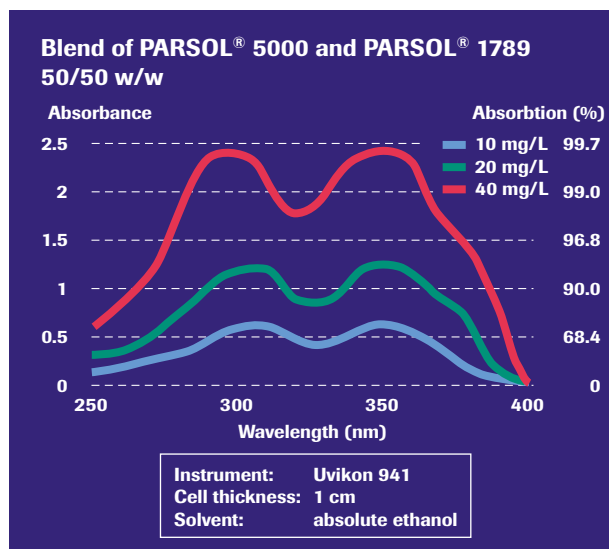
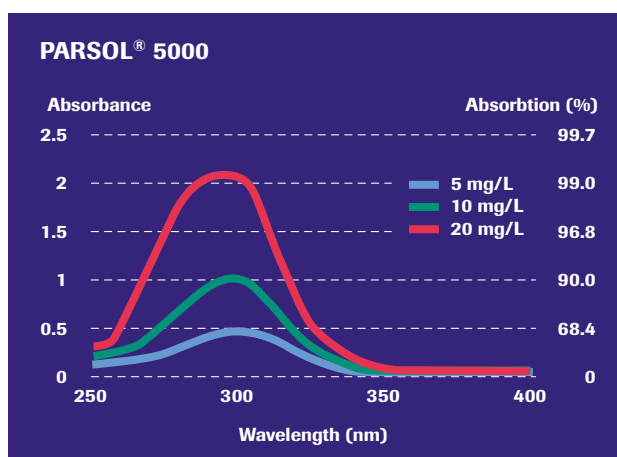
PARSOL® 5000 is an effective photostabilizer for PARSOL® 1789.



## Physical and chemical properties

Appearance: white to off-white powder  
 Odour: slightly aromatic  
 Melting point: 66.0–70.0 °C  
 Assay (GLC): min. 99.0 %  
 UV specific extinction (E 1%, 1 cm at 299 nm): 930–990  
 Flash point (liquid): >100 °C (212 °F)

## UV absorption spectra



## Solubility

Solvent	Solubility (% w/w, 20 °C)
PARSOL MCX (ethylhexyl methoxycinnamate)	40
Finsolv TN (C12-C15 alkyl benzoate)	30
Cetiol V (decyl oleate)	25
Crodamol DA (diisopropyl adipate)	25
Delyl (isopropyl myristate)	25
Ethanol 95% (ethanol)	25
Cetiol A (hexyl laurate)	20
Cetiol LC (coco-caprylate/caprate)	20
Castor oil (castor [Ricinus communis] oil)	20
Glycerin	12
Mineral oil	10
Propylene glycol	4
Water	Insoluble

## Stability and storage

The product may be stored for 24 months from the date of manufacture in the unopened original container and at a temperature below 25 °C. The 'best used before' date is printed on the label.

Store in tight containers protected from light. Suitable materials for containers are stainless steel, aluminium, polyethylene and enamel.

## Uses

PARSOL® 5000 is used in association with other UV-B (PARSOL® MCX) and UV-A filters (PARSOL® 1789) for improved broad-spectrum sunscreen and everyday protective cosmetic preparations.

Can be used in association with PARSOL® HS to develop higher SPF than in emulsions prepared with oil-soluble UV filters only.

## Recommended use levels

Formulate according to local regulations. See also Regulatory Status.

For sun-care products:

EU: up to 4%

US: unapproved new drug

## Formulating techniques and handling tips

PARSOL 5000 is easy to use owing to its solubility characteristics and compatibility with cosmetic ingredients.

## Safety data

Data are available upon request.

Avoid ingestion and direct contact with the eyes.

## Sales pack

25-kg carton.

## Regulatory status

TSCA/EEC: registered

USA: unapproved new drug

EU: listed in Council Directive 76/768/EEC, Annex VII, Part 1: max. 4%

Japan: not listed.

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

## Other beauty treatment products

- ◆ Ethyl Panthenol
- ◆ Panthenol
- ◆ Vitamin E Acetate
- ◆ Vitamin A Palmitate
- ◆ Vitamin A Acetate
- ◆ Borage oil
- ◆ Evening primrose oil
- ◆ Phytantriol
- ◆ Vitamin C (Stay-C<sup>®</sup> 50)
- ◆ PARSOL<sup>®</sup> HS
- ◆ PARSOL<sup>®</sup> 1789
- ◆ PARSOL<sup>®</sup> 340
- ◆ PARSOL<sup>®</sup> MCX
- ◆ PARSOL<sup>®</sup> SLX
- ◆ AMPHISOL<sup>®</sup> A
- ◆ AMPHISOL<sup>®</sup> K
- ◆ AMPHISOL<sup>®</sup>

[www.roche.com/vitamins](http://www.roche.com/vitamins)



*Asia-Pacific*

**Roche Vitamins Asia-Pacific Pte Ltd**  
Cosmetics Industry Unit  
78 Shenton Way No. 21-01  
Singapore 079120  
Tel. +65 325 6200  
Fax. +65 220 1976

*China*

**Roche (China) Ltd**  
Vitamin Marketing  
1100 Long Dong Avenue  
Shanghai 201 203  
Tel. +86 21 5080 1888  
Fax. +86 21 5080 1142

*Europe and Africa*

**Roche Vitamins Europe Ltd**  
PO Box 3255  
CH-4002 Basel  
Switzerland  
Tel. +41 61 68 88782  
Fax. +41 61 68 72082

*Latin America*

**Produtos Roche QFSA**  
Vitamins and Fine Chemicals Division  
Av. Eng. Billings, 1729  
05321-900 São Paulo SP / Brazil  
Tel. +55 11 819 4520  
Fax. +55 11 819 4980

*North America/USA*

**Roche Vitamins Inc.**  
Cosmetic and Specialty Chemicals Group  
45 Waterview Blvd  
Parsippany, NJ 07054-1298  
Tel. +1 973 257 8420  
Fax. +1 973 257 8580

*North America/Canada*

**Hoffmann-La Roche Ltd**  
Vitamins and Fine Chemicals Division  
PO Box 877  
Cambridge, Ontario N1R 5X9  
Tel. +1 519 622 2200, 800 263 0867  
Fax. +1 519 623 4849, 800 689 6717