



Edition: BP 2025 (Ph. Eur. 11.6 update)

## Decyl Oleate



[General Notices](#)

(Ph. Eur. monograph 1307)

### Action and use

Excipient.

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## DEFINITION

Mixture consisting of decyl esters of fatty acids, mainly oleic (*cis*-9-octadecenoic) acid.

A suitable antioxidant may be added.

## CHARACTERS

### Appearance

Clear, pale yellow or colourless liquid.

### Solubility

Practically insoluble in water, miscible with ethanol (96 per cent), with methylene chloride and with light petroleum (bp: 40-60 °C).

## IDENTIFICATION

- A. Relative density (see Tests).
- B. Saponification value (see Tests).
- C. Oleic acid (see Tests).

## TESTS

### [Relative density](#) (2.2.5)

0.860 to 0.870.

### [Acid value](#) (2.5.1)

Maximum 1.0, determined on 10.0 g.

**Iodine value** (2.5.4, Method A)

55 to 70.

**Peroxide value** (2.5.5, Method A)

Maximum 10.0.

**Saponification value** (2.5.6)

130 to 140, determined on 2.0 g.

**Oleic acid** (2.4.22, Method A)

Minimum 60.0 per cent in the fatty acid fraction of the substance.

**Water** (2.5.12)

Maximum 1.0 per cent, determined on 1.00 g.

**Total ash** (2.4.16)

Maximum 0.1 per cent, determined on 2.0 g.

## **STORAGE**

Protected from light.

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