



Product Data Sheet

CETIOL® LC PH

General characterisation

Chemical description

Caprylic/capric acid ester of saturated fatty alcohol C12-18

Labeling information

INCI name(s)

Coco-Caprylate/Caprates

Registrations

Ingredient	CASR-No.	EINECS/ELINCS-No.
Coco-Caprylate/Caprates	95912-86-0	3060827

Officially listed in / Quality conforms to

Ph. Eur.:	Conforms to the current analytical specification in the monograph "Cocoylis caprylocapras (Cocoyl Caprylocaprates)"
BP:	Conforms to the current analytical specification in the monograph "Cocoyl Caprylocaprates" (copy of the Ph. Eur. Monograph)

Residual solvents	Conforms to current ICH Guideline (CPMP/ICH/283/95)
Minimising animal spongiform encephalopathy agents	Conforms to requirements Ph. Eur. 5.2.8

Product properties

Appearance

CETIOL® LC PH is a clear, mildly yellowish, medium polar oil with a mean molecular weight; it has a slightly fatty odour.

Example of use

Due to its high spreading value, the product is suited for use in pharmaceutical skin care preparations, such as low fatting emulsions and skin oils.

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the Product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Appearance (colour)	conforms
Acid value	≤ 0.5
Hydroxyl value	≤ 5.0
Iodine value	≤ 1.0
Saponification value	160 - 173

Composition of fatty acids

- caproic acid	$\leq 2.0 \%$
- caprylic acid	50.0 - 80.0 %
- capric acid	20.0 - 50.0 %
- lauric acid	$\leq 3.0 \%$
- myristic acid	$\leq 1.0 \%$

Composition of fatty alcohols

- capric alcohol	$\leq 3.0 \%$
- lauryl alcohol	48.0 - 59.0 %
- myristyl alcohol	18.0 - 25.0 %
- cetyl alcohol	6.0 - 12.0 %
- stearyl alcohol	9.0 - 16.0 %

Water	$\leq 0.1 \%$
Total ash	$\leq 0.1 \%$

Further certification:

Pesticide residues	complies to the limits defined in Ph. Eur. 2.8.13 (table 1).
Microbiological status	complies with criteria defined in Ph. Eur. 5.1.4 (category 2 - topical applications; category 3A - oral applications).
Aflatoxine	conforms to German ordinance requirements regulating aflatoxine contamination (July 2000).
Heavy Metals	conforms to German Federal Health Gazette 28, 216 1985 and supplements 1992 for heavy metals.

Methods of identification

As described in the current Monograph of the Ph. Eur.

Methods of analysis

All test and assay methods are as described in the current Monograph of the Ph. Eur.

Storage and transportation

In the original unopened containers the product can be stored for at least two years, protected from moisture at below 30° C.

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Cognis does not guarantee the suitability of a product for a user-specific purpose.