

DELIOS[®] VF

Further Product Name

Ph. Eur.: "Triglycerides medium-chain"

General Characterization

Delios[®] VF is a clear, slightly yellowish, polar, odourless oil with a mean molecular weight. Due to its mean spreading value, the product can be universally applied in pharmaceutical skin care preparations and well-fattening emulsions and skin oils.

Chemical description

Triglycerid on base of saturated fatty acids C8 and C10

Characteristic Values

The specifications stated below finally and conclusively describe the properties of the product.

Quality control data

Data which is used for quality release and is specified for each batch.

Appearance of solution (clarity)	conforms	Ph. Eur. 2.2.2 I
Appearance (colour)	conforms	Ph. Eur. 2.2.1
Alkaline impurities	max 0.15 ml	Ph. Eur. 0868
Relative density (20° C)	0.93 - 0.96 g/ml	Ph. Eur. 2.2.5
Refractive index (20° C)	1.440 - 1.452	Ph. Eur. 2.2.6
Viscosity (20° C)	25 - 33 mPas	Ph. Eur. 2.2.9
Acid value	max 0.2	Ph. Eur. 2.5.1
Hydroxyl value	max 10	Ph. Eur. 2.5.3 A
Iodine value	max 1.0	Ph. Eur. 2.5.4
Peroxide value	max 1.0	Ph. Eur. 2.5.5 A
Saponification value	310 - 360	Ph. Eur. 2.5.6
Unsaponifiable	max 0.5 %	Ph. Eur. 2.5.7
Composition of fatty acids		
Caproic acid	max 2.0 %	Ph. Eur. 2.4.22 C
Caprylic acid	50.0 - 80.0 %	Ph. Eur. 2.4.22 C
Capric acid	20.0 - 50.0 %	Ph. Eur. 2.4.22 C
Lauric acid	max 3.0 %	Ph. Eur. 2.4.22 C
Myristic acid	max 1.0 %	Ph. Eur. 2.4.22 C
Caprylic and capric fatty acids in total	min 95.0 %	Ph. Eur. 2.4.22 C
Water	max 0.2 %	Ph. Eur. 2.5.12
Total ash	max 0.1 %	Ph. Eur. 2.4.16
Heavy metals (as Lead)	max 10 ppm	Ph. Eur. 2.4.8 D
Lead	max 0.1 ppm	Ph. Eur. 2.2.23 II
Chrome	max 0.05 ppm	Ph. Eur. 2.2.23 II
Copper	max 0.1 ppm	Ph. Eur. 2.2.23 II
Nickel	max 0.2 ppm	Ph. Eur. 2.2.23 II
Tin	max 0.1 ppm	Ph. Eur. 2.2.23 II
Total viable count	max 100 CFU/ml	Ph. Eur. 2.6.12

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, Packaging and Shelflife

Storage Conditions

In the original sealed containers DELIOS® VF can be stored for at least one year, protected from moisture at below 30°C.

Labeling Information & Registrations

INCI name(s)

Caprylic/Capric Triglyceride

Officially listed in / Quality conforms to

Ph. Eur.	Conforms to the current analytical specification in the monograph "Triglycerides medium-chain"
CAS-No.	73398-61-5
EINECS-No.	277-452-2
Residual solvents	Conforms to current ICH Guideline (CPMP/ICH/283/95) and Residual Solvents <467>
Minimising animal spongiform encephalopathy agents	conforms to requirements Ph. Eur. 5.2.8

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