



Dermolife di Margonari Maria Franca
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P.I. 02202500225
C.F. MRGMFR66A69L378D

SPECIFICA TECNICA

Prodotto **VITAMINA A PALM. 1,0 MUI Ph.Eur. c/tocof**

:

NOME INCI	Retinyl Palmitate, Helianthus Annuus Seed oil
NOME INCI USA	Retinyl Palmitate (and) Helianthus Annuus (Sunflower) Seed o
CAS	79-81-2; 8001-21-6; 10191-41-0
FORMULA	Retinyl Palmitate: C ₃₆ H ₆₀ O ₂
PESO MOLECOLARE	524,9 g/mol

SPECIFICA	METODO	Lim. Inf. - Lim. Sup.	u.m.
Aspetto		Olio giallo o giallo-brunastro	
Identificazione TLC		Conforme	
Titolo		1,00 - 1,10	Mio.I.U/g
Indice di perossidi		<=10,0	meqO ₂ /Kg
Indice di acidità		<=2,0	mgKOH/g
Retinolo		<=1,0	%
<i>Sostanze Correlate</i>			
- Rapporto assorbanze A300 nm / A326 nm		<=0,60	
- Rapporto assorbanze A350 nm / A326 nm		<=0,54	
- Rapporto assorbanze A370 nm / A326 nm		<=0,14	
Metalli pesanti *		<=10	ppm
Nichel *		<=2	ppm
<i>Solventi Residui</i>			
- Metanolo *		<=3.000	ppm
- Eptano, Metile Acetato, Isopropanolo *		<=5.000	ppm
Revisione Capitolato		2	
Data Approvazione		03/01/2017	



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* test è stato verificato su campioni casuali / test is verified on random samples

The product is stabilized by tocopherol (approx. 10 mg of DL-alpha-Tocopherol per Mio IU).

The product meets the specifications of the following monographs:

- "Vitamin A Concentrate (Oily Form), synthetic" of Ph. Eur.
- "Vitamin A" of USP/NF

Solubility:

Miscible with hydrocarbons, ethers, fats and oils. The solvent should contain no peroxides. Insoluble in water. It is necessary to use a solubilizer in aqueous alcoholic preparations.

1 International unit (IU) can be converted into weight with the following equations:

1 IU = 0.55 ug Vitamin A Palmitate

Stability and storage:

Vitamin A Esters are sensitive to air, light, moisture and heat. Opened original containers should be flushed with an inert gas and used up quickly. Prior to use, the product must be heated to 40°C in the unopened container and homogenized.

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1 International unit (IU) can be converted into weight with the following equations

1 IU = 0.3 ug Vitamin A alcohol (Retinol)

0.55 ug Vitamin A Palmitate

Stability and storage:

Vitamin A Esters are sensitive to air, light, moisture and heat.

The product has a shelf life of 12 months if stored in the original sealed containers at max. 25°C, and 36 months at 5°C.

Opened original containers should be flushed with an inert gas and used up quickly.

Prior to use, the product must be heated to 40°C in the unopened container and homogenized.

I metodi di analisi non indicati sono metodi interni del produttore ottenibili su specifica richiesta

Le informazioni sopra riportate non Vi sollevano dall'obbligo di identificare il prodotto prima dell'impiego. DERMOLIFE non si assume alcuna responsabilità per danni a persone o cose derivanti dall'impiego dei prodotti da noi commercializzati

The analytical methods not listed are internal methods of the manufacturer obtainable upon specific request

The above information will not relieve you to identify the product before use. DERMOLIFE does not assume any responsibility for damage to persons or property arising by the use of the products we sell