

# EYLLIDE

Eye Bags: Fading and Prevention  
*Let Your Look Be Light*

DIOSMIN

FORSKOLIN

PALMITOYL TETRAPEPTIDE-7

- **Improve MicroCirculation**  
*Reducing fluid retention*
- **Enhanced Lipolytic Effect**  
*Reducing accumulation of eyelid fat pad*
- **Reduce Lymphatic Edema**  
*Improving lymphatic drainage*



# ▷ EYLIDE | *Let your Look Be Light*

Eye Bags are unpleasant accumulations of fluids in the lower eyelid area caused by the dysregulation of microcirculation and lymphatic flow resulting in localized edema and accumulation of fat pads.

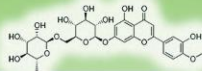
Naturalis developed a solution for Eye Bags thanks to the powerful action of three molecules studied for their specific action on this inesthetism formation combined with a unique delivery system technology.



**EYLIDE: an Anti-Eyebags Complex encapsulated inside Ultra-Deformable Niosome**  
*The solution for lower eyelid to reduce eyebags and restore a youthful look*

## ▷ The Anti-Eyebags Complex

### Diosmin



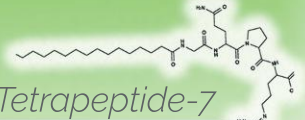
Reduces capillary fluid extravasation by reducing inflammatory (TNF- $\alpha$ ) and vasodilator (NO) mediators.

### Forskolin



Promote breakdown of fat pads increasing intracellular levels of cAMP to stimulate the reduction of settled eye bags.

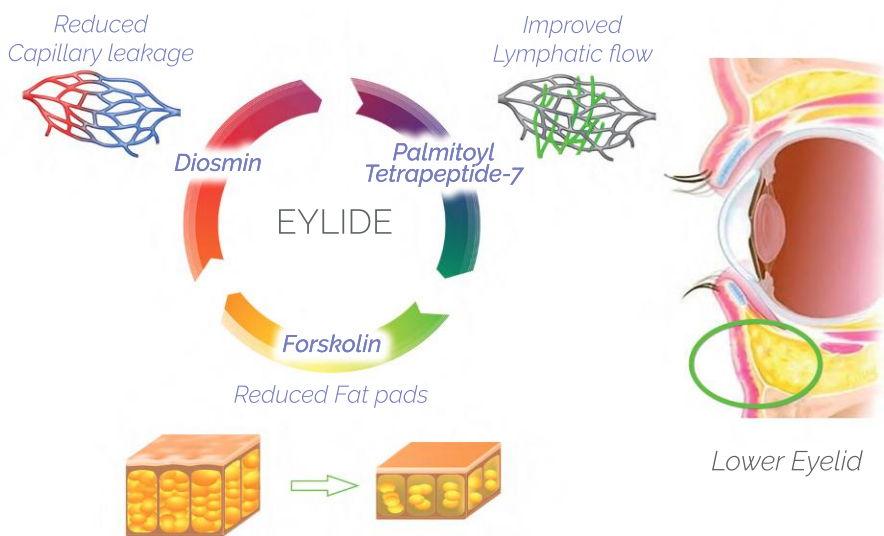
### Palmitoyl Tetrapeptide-7



Stimulate fluid draining by the lymphatic system through reduction of IL-6 and consequently reducing eyelid edema.

**EYLIDE restore the natural appearance of lower eyelids reducing eyebags issues**

## ▷ EYLIDE Mechanism of Action



The microcirculation provide nourishment to the tissues by allowing plasma fluids to permeate out from the inside of very thin capillaries giving nourishment to the skin tissues.

The extra fluids are then recovered by the venous capillaries and the lymphatic system that also remove the waste substances.

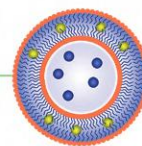
**Stress, poor sleep or ageing can result in a dysregulation of this fluid exchanges:** if the capillaries are weak and lymphatic flow is slowed down eye bags appears as swollen eyelid.

Over time the swelling around the eyes promote fat accumulation and stable formation of eye bags.

**EYLIDE active ingredient acts on three specific causing factors of Eyebags**

- Reduce capillary leakage
- Improve Lymphatic Drainage
- Reduce Fat Pad Formation

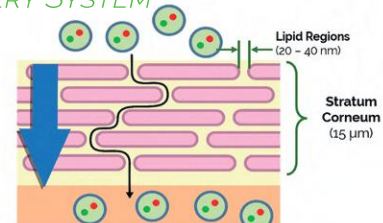
## ▷ ULTRA-DEFORMABLE NIOSOME



Boost *IN VIVO* efficacy of encapsulated active ingredients by improving penetration through the impermeable barrier of Stratum corneum

**THE MOST ADVANCED SKIN DELIVERY SYSTEM**

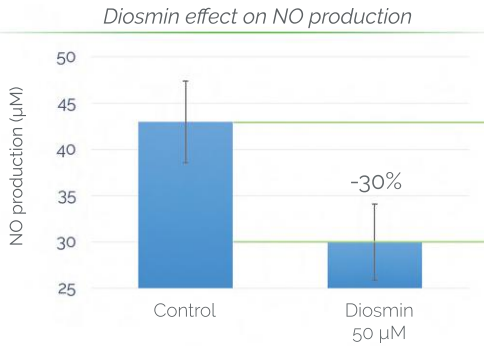
Ultra-Deformable Vesicle are elastic vesicles able to penetrate Stratum corneum through its narrow gaps (around 40nm) *without breaking* to reach living cells inside epidermis and increase the bioavailability of active ingredients, therefore their efficacy.



## ▷ EFFICACY In Vitro

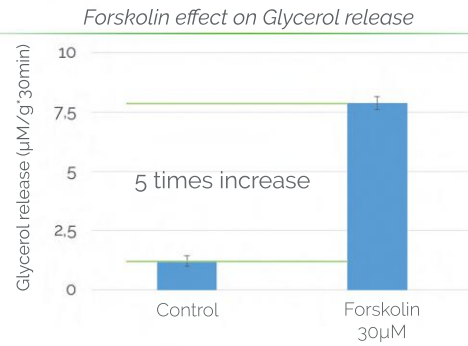
### ● Reduction of Vasodilation mediator by Diosmin

Inhibitory effect of Diosmin on NO production in LPS induced RAW 264.7 Macrophages



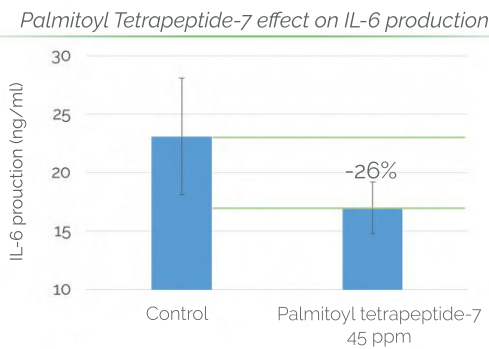
### ● Improvement of Adipocyte Fat release by Forskolol

Assay of Glycerol release from fat cells after exposition of Forskolol



### ● Reduction of Lymphstasis mediator by Palmitoyl Tetrapeptide-7

Inhibitory effect of Palmitoyl Tetrapeptide-7 on IL-6 synthesis of Fibroblasts



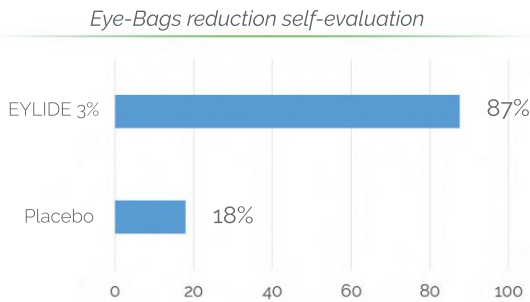
*In Vitro Tests confirm the role of EYLIDE as effective active ingredients eye bags:*

- Reduce inflammation mediator involved in lymphatic stasis
- Reduce vasodilation mediator involved in capillary leakage
- Improve Fat release from adipocytes

## ▷ EFFICACY In Vivo

### ● Anti-Eyebag Efficacy

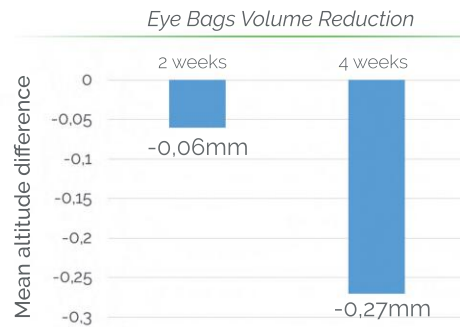
Self Assessment of Eye bags appearance applying 2% EYLIDE vs Placebo twice daily for 4 weeks



Skin Penetration improved by *Niosome Delivery System*

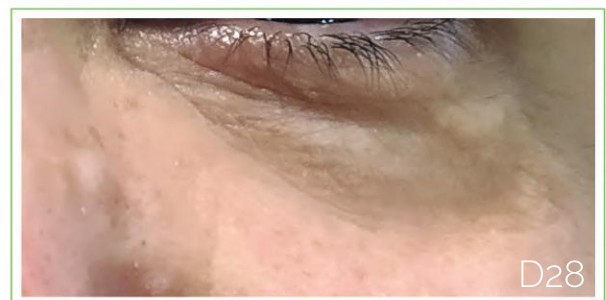
### ● Reduction in Eye Puffiness

Measurement of Eye bags volume using fringe projection after applying 2% EYLIDE vs Placebo twice daily for 4 weeks



### ● Eye-Bags Reduction

Efficacy of Eye bags reduction applying a cream containing 2% EYLIDE twice daily for 4 weeks



# EYLIDE

EYLIDE IS THE ACTIVE INGREDIENTS FOR EYE BAGS REDUCTION AND PREVENTION  
DEVELOPED IN NATURALIS LABORATORIES FOR DERMOCOSMETIC APPLICATIONS

## Main Components

- Diosmin
- Forskolin
- Palmitoyl TetraPeptide-7
- Niosome Delivery System

## Applications

- Eye Bag Treatment
- Eye Bag Prevention

## Technical Informations

INCI name:

Diosmine, Coleus Forskolhii Root Extract, Palmitoyl Tetrapeptide-7, Polyglyceryl-10 Laurate, Polyglyceryl-4 Caprate, Sorbitan Oleate, Aqua/Water

Origin: Natural and Synthesis

Dosage: 0,5% - 2,0%

Solubility: Dispersible in Water Phase

Applications: Lotions, W/O and O/W emulsions, Gels

Storage: Store the product in the original, well closed container,  
in a cool, dry area and protected from light

Compliant Regulation: US - EU - China - Japan

Safety & Toxicity: Reference COMMISSION REGULATION (EC) No 987/2008 of 8 October 2008 amending  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation,  
Authorization and Restriction of Chemicals (REACH):

- non-irritating
- non-toxic

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