

From Nature the Synergic Natural Complex Developed  
to Delay Skin Aging Fighting Free Radicals

# NIO-AGE

NIOSOME TECHNOLOGY



Anti-Wrinkle Effect in 4 weeks

Skin Hydration +27%

Skin Elasticity +15%

# A NATURAL COMPLEX TO DELAY SIGNS OF AGING

NIO-AGE delays the process of skin aging defending cells from oxidative metabolism and photo-aging at multiple levels.

Thanks to its specific composition, **NIO-AGE fights free radicals, regulates inflammation, inhibits lipoxygenase and cyclooxygenase.**

It reduces elastase and collagenase activity preventing degradation of dermal matrix components responsible of wrinkles, skin laxity and fragility.

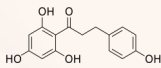
**NIO-AGE IS THE ANTI-AGE COMPLEX DEVELOPED TO PROTECT SKIN HEALTH REDUCING FINE LINES AND WRINKLES TO MAKE YOUR SKIN SOFT, ELASTIC, HYDRATED AND COMFORTABLE**



## NIO-ACTIVE NATURAL INGREDIENTS

### PHLORETIN

FROM APPLE SKIN  
EXTRACT



### ROS SCAVENGING & DERMAL MATRIX PROTECTION

Free radical scavenger, inhibitor of lipoxygenase and cyclooxygenase, inhibitor of collagenase and elastase

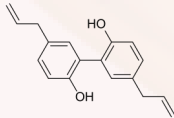
### PUNICA GRANATUM SEED EXTRACT



### HYDRATION & ROS PROTECTION

Punicic Acid (~65%), an Omega-5 Fatty Acid  
anti-oxidant and moisturizer

### MAGNOLOL/ HONOKIOL

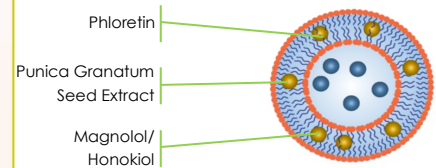


### ANTI-OXIDANT & ANTI-INFLAMMATORY

Reduce inflammatory signals and dermal matrix  
degradation

### NIO-AGE

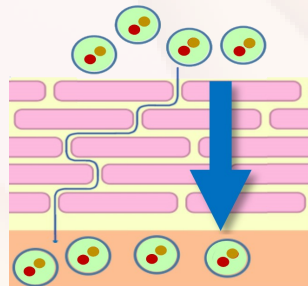
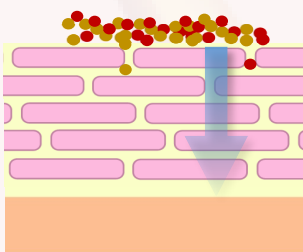
NATURAL INGREDIENTS ARE ENCAPSULATED  
INSIDE **NIOSOME VESICLES**



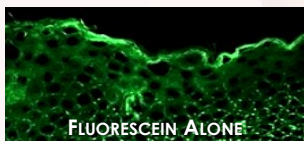
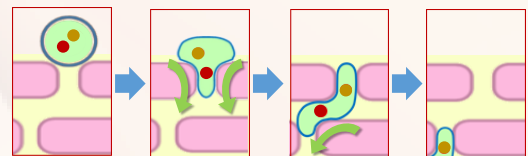
## ULTRA-DEFORMABLE NIOSOME

The Most Advanced Skin Delivery System

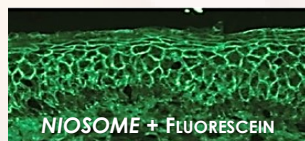
### CLASSIC ACTIVE INGREDIENTS



Ultra-Deformable Niosome are elastic vesicles able to **squeeze through Stratum Corneum** reaching living cells inside epidermis increasing the bioavailability of active ingredients



FLUORESCIN ALONE



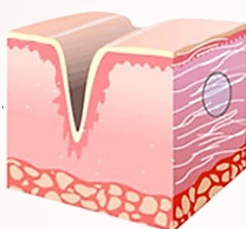
NIOSOME + FLUORESCIN

**NIOSOME DELIVER ACTIVE INGREDIENTS  
WHERE MUST BE REALLY EFFECTIVE**  
DRIVING THROUGH THE STRATUM CORNEUM

## NIO-AGE MODE OF ACTION

### STRESS FACTORS

Chrono&Photo Aging, Pollution, Poor Nutrition

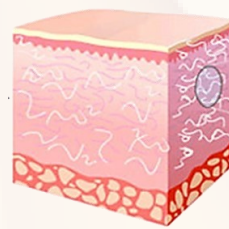


Elastine fibres

++ Inflammation Signals  
↓  
++ Dermal Matrix  
Degradation Enzymes  
↓  
++ Dermal Matrix Alteration

Wrinkles, Laxity, Fragility

### With NIO-AGE



Elastine fibres

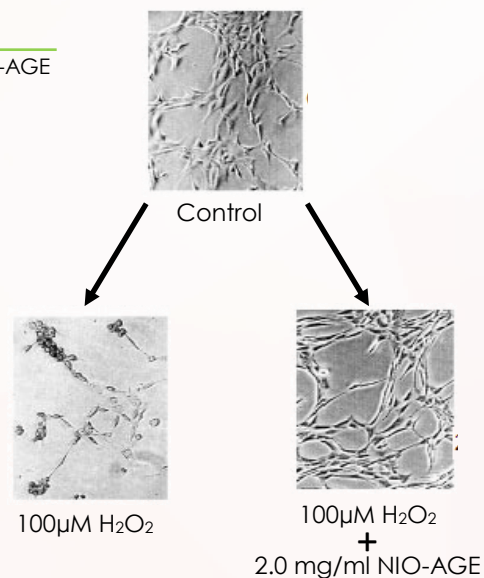
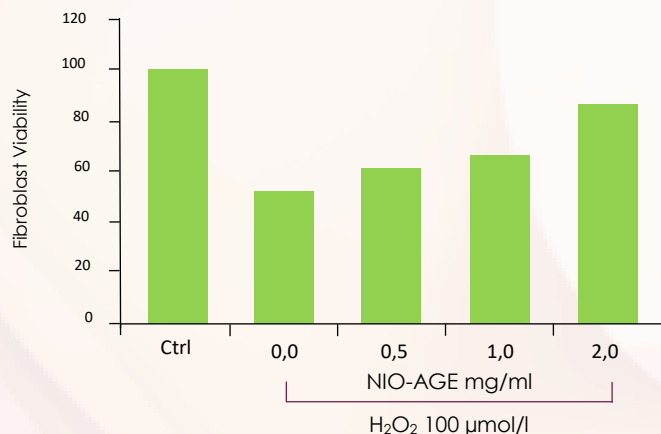
-- Inflammation Signals  
↓  
++ Dermal Matrix  
Improvement  
↓  
++ Hydration & Elasticity

Soft and Smooth Skin



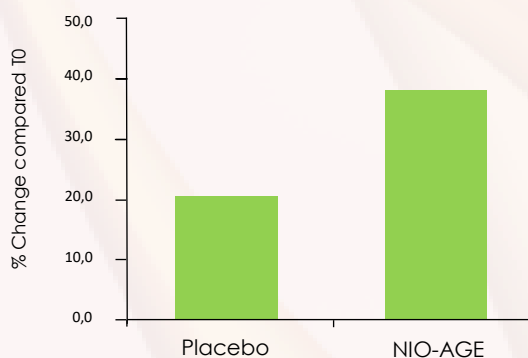
### NIO-AGE ON FIBROBLAST SURVIVAL

Viability of HaCaT Human Keratinocyte Cells pre-treated 12 hours with 0-2 mg/ml NIO-AGE solution after 2 hours  $H_2O_2$  exposure



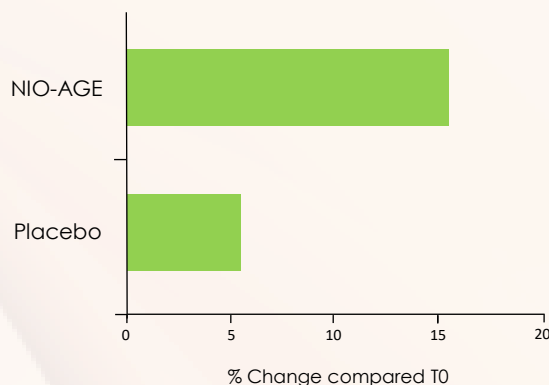
### NIO-AGE ON SKIN HYDRATION

Measurement of Skin Hydration using Dermalab Combo technique applying 3% NIO-AGE cream on face vs placebo twice daily for 45 days



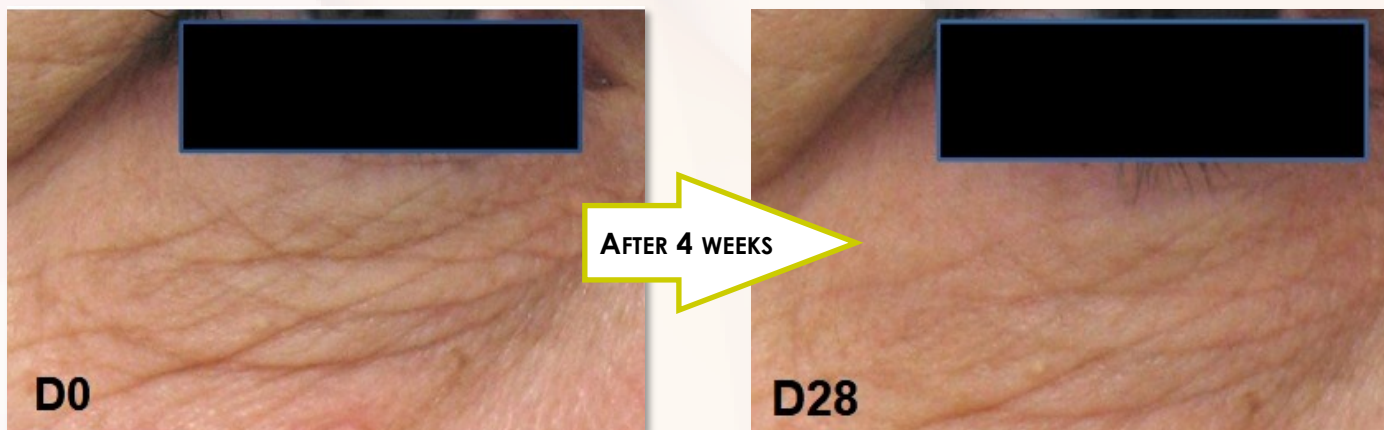
### NIO-ACTIVE ON SKIN ELASTICITY

Measurement of Skin Elasticity using Cutometer MP580 (Courage&Khazaka, Cologne Germany) applying 3% NIO-AGE cream on face vs placebo twice daily for 8 weeks



### NIO-AGE ON WRINKLES APPEARANCE

Assessment of skin condition applying 3% NIO-AGE twice daily for 28 days



# NIO-AGE

## NIOSOME TECHNOLOGY

### FOR WRINKLE PREVENTION

#### CLAIMS

- ANTI-AGING
- ANTI FREE RADICAL
- MOISTURIZING

#### COSMETIC APPLICATION

- ANTI-AGE DAY AND NIGHT CARE
- ACTIVE MAKE-UP
- SUN CARE

#### INCI NAME

Phloretin, Magnolol/Honokiol, Punica Granatum Seed Extract, Polyglyceryl-10 Oleate, Apricot Kernel Oil Polyglyceryl-6 Esters, Sorbitan Palmitate, Aqua/Water

#### 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

#### FORMULATION SUGGESTIONS

<b>Use Levels:</b>	1 - 3%
<b>pH range:</b>	3,5 - 8,5
<b>Incorporation:</b>	Diluite in water before blending. Do not heat above 50°C
<b>Origin:</b>	Botanical
<b>Application:</b>	Lotions, O/W and W/O emulsions, Gels
<b>Preservative:</b>	None
<b>Solubility:</b>	Dispersible in water
<b>Compliant regulation:</b>	US - EU - China - Japan
<b>Certification:</b>	COSMOS Approved



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