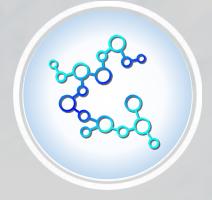
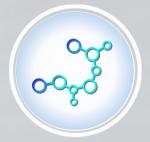
NIO-OLIGO 3^D

NIOSOME TECHNOLOGY

LMW Hyaluronic Acid



VLMW Hyaluronic Acid



ULMW Hyaluronic Acid



Skin Smoothness +47%

Wrinkle Number -41%

Main Wrinkle Lenght –25%



• THE 3^D SYSTEM FOR BOTOX-LIKE **WRINKLE SOLUTION**

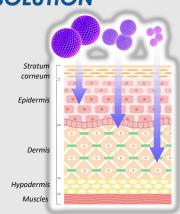
NIO-OLIGO $3^{\rm D}$ is a revolutionary wrinkle solution based on three Niosome vesicles with different particle sizes (3-Dimensional Niosome), each one encapsulate a distinct molecular weight of short Hyaluronic Acid (HA) oligomers.

NIO-OLIGO 3^{D} modulates an optimal differential penetration of Hyaluronic acid molecules at all skin levels by 3 vesicles of different size.

This new approach guarantees an optimal anti-wrinkle effect creating a Botox-Like result.



NIO-OLIGO $3^{ extstyle D}$ is the Botox-Like Solution developed to reach all deep skin levels for the maximum anti-wrinkle and firming effect



NIO-OLIGO 3D NATURAL INGREDIENTS



~50 kDa LMW HA

Mean Vesicle size: 250nm

Largest Niosome particle size delivers **Low M**olecular **W**eight **HA** to the skin providing an exceptional water retention and a high degree of moisturization.



~10 kDa VLMW HA

Mean Vesicle size: 180nm

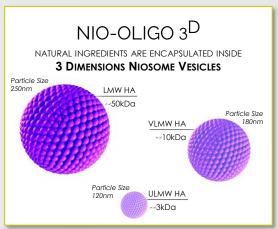
Medium Niosome particle size delivers Very Low Molecular Weight HA to the layers of the epidermis enhancing cell-to-cell contact and cohesion and in this way reducing TEWL (Trans Epidermal Water Loss).



~3 kDa ULMW HA

Mean Vesicle size: 120nm

Smallest Niosome particle size delivers **Ultra Low Molecular Weight HA** to the deepest layer of the skin providing new precursors for the endogenous synthesis of extracellular matrix resulting in skin's optimal hydrocolloid properties.



NIO-OLIGO 3^D MODE OF ACTION

AGEING

Low Level of Hygluronic Acid



A lower quantity of HA and a progressive reduction of its degree of polymerization occurs in the skin during the ageing process.

In elderly skin, HA degradation occurs at all skin levels with a loss of elasticity and the formation of wrinkles.

With NIO-OLIGO 3^D



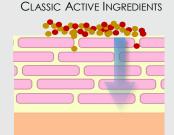
Optimal Level of Hyaluronic Acid

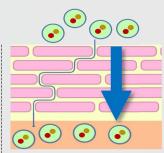


The delivery of 3 different Hyaluronic Acid with specific molecular weights restore the youthful conditions of all the cutaneous layers.

NIO-OLIGO 3^D reduces fine lines and bring youthful hydration, firmness and elasticity of the skin.

ULTRA-DEFORMABLE **NIOSOME**The Most Advanced Skin Delivery System





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



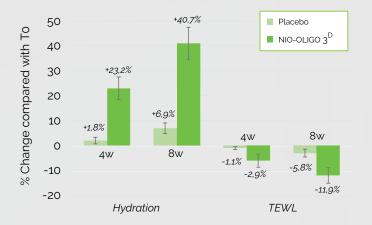


NIOSOME DELIVER ACTIVE INGREDIENTS
WHERE REALLY EFFECTIVE

DRIVING THROUGH THE STRATUM CORNEUM

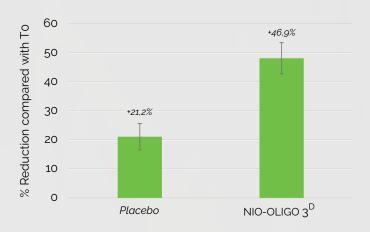
NIO-OLIGO 3D ON SKIN BARRIER

Measurement of Skin Hydration and TEWL using DermaLab Combo technique applying 2% NIO-OLIGO 3^D cream or placebo on 22 volunteers twice daily for 28 days



NIO-OLIGO 3^D ON SKIN SMOOTHNESS

Complexion Analysis of skin texture on 22 volunteers applying 2% NIO-OLIGO 3^D cream on face vs placebo twice daily for 28 days



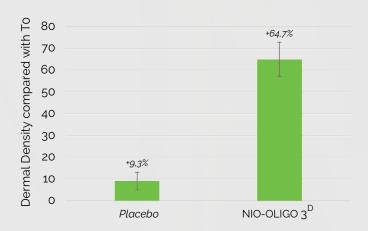
NIO-OLIGO 3^D ON WRINKLE REDUCTION

Software analysis of VISIA-CR Polarized Images of Wrinkles Number and Main Wrinkle Length after application of placebo and 2% NIO-OLIGO 3^D cream on half-face of 22 volunteers twice daily for 28 days



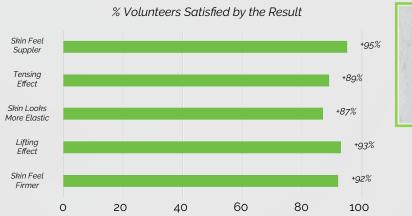
NIO-OLIGO 3D ON DERMAL DENSITY

High Resolution Ultrasound Skin-Imaging (Dermascan CortEx) of Dermal Density applying placebo or 2% NIO-OLIGO3^D on 22 volunteers twice daily for 28 days



NIO-OLIGO 3^D SELF-ASSESSMENT

Assessment of Wrinkles appearance after applying 2% NIO-OLIGO 3^D cream on half-face of 22 volunteers twice daily for 28 days







NIO-OLIGO 3^D

NIOSOME TECHNOLOGY

BOTOX-LIKE WRINKLE SOLUTION

CLAIMS

- Anti-Wrinkle
- MOISTURIZING
- STRUCTURING AND FIRMING
- REGENERATING AND REPAIRING

COSMETIC APPLICATION

- ANTI-AGING CREAM
- Nourishing Care
- REGENERATING AND REPAIRING CARE
- DAY AND NIGHT CREAM

INCI NAME

Hydrolyzed Sodium Hyaluronate, Polyglyceryl-6 Oleate, Polyglyceryl-4 Caprate, Glycerin, 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

Use Levels: 0,5% - 2%

Incorporation: Diluite in water before blending

Do not heat above 50°C

Origin: Botanical, Biotechnological

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

Preservative: None

Solubility: Dispersible in water

Compliant regulation: US - EU - China - Japan



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