

The Natural Solution to Reinforce Skin Barrier and
Mitigate Skin Hyper-Reactivity to External Stimuli

NIO-SENSYL

NIOSOME TECHNOLOGY



Improved Skin Barrier +65% and Hydration +42%

Reduced Redness in Vivo –40%

Complete Skin Barrier Recovery after SLS exposure

AN EFFECTIVE COMPLEX FOR SENSIBLE SKIN TREATMENT

Thanks the synergistic association of Zinc-enriched yeast extract, Mangostin (Garcinia mangostana) and Magnolol/Honokiol (Magnolia bark), all encapsulated into elastic niosomal vesicles, **NIO-SENSYL is able to reinforce skin barrier mitigating skin hyper-reactivity to external stimuli, typical of sensitive skin, urticaria, eczema, and rosacea.**

NIO-SENSYL IS THE **SENSIBLE-SKIN AID COMPLEX** DESIGNED TO MITIGATE PROBLEMS OF **SENSITIVE SKIN, ACNE, URTICARIA, ECZEMA AND ROSACEA**



NIO-SENSYL NATURAL INGREDIENTS

GARCINIA MANGOSTANA FRUIT EXTRACT



ANTI-INFLAMMATION

Inhibitor of inflammation signaling such as PGE production and COX expression

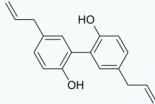
ZINC-ENRICHED YEAST EXTRACT



IMPROVED CELLULAR RENEWAL

Precious peptides, aminoacids, vitamins and minerals

MAGNOLOL/ HONOKIOL



ANTI-OXIDANT & ANTI-INFLAMMATORY

Reduce inflammatory signals and dermal matrix degradation

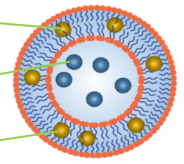
NIO-SENSYL

NATURAL INGREDIENTS ARE ENCAPSULATED INSIDE **NIOSOME VESICLES**

Garcinia Mangostana Fruit Extract

Zinc-enriched Yeast Extract

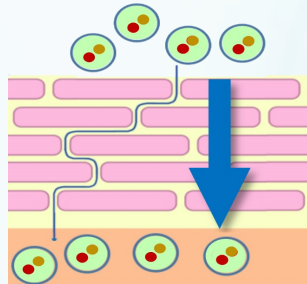
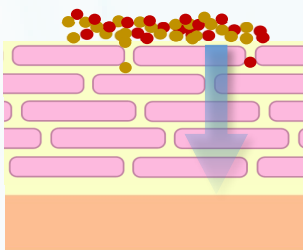
Magnolol



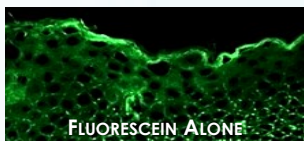
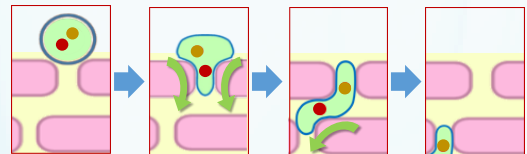
ULTRA-DEFORMABLE NIOSOME

The Most Advanced Skin Delivery System

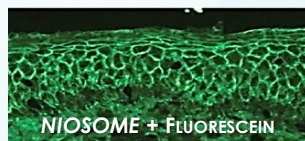
CLASSIC ACTIVE INGREDIENTS



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



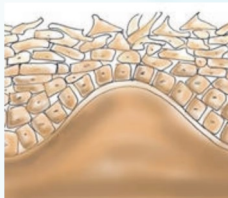
NIOSOME + FLUORESCIN

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

NIO-SENSYL MODE OF ACTION

STRESS FACTORS

Chrono&Photo Aging, Pollution, SLS chemicals



++ Skin Barrier Function



++ Irritant Penetration



++ Inflammation

Sensitive and Irritated Skin

With NIO-SENSYL



++ Keratinocytes metabolism



-- Inflammation



++ Barrier Function

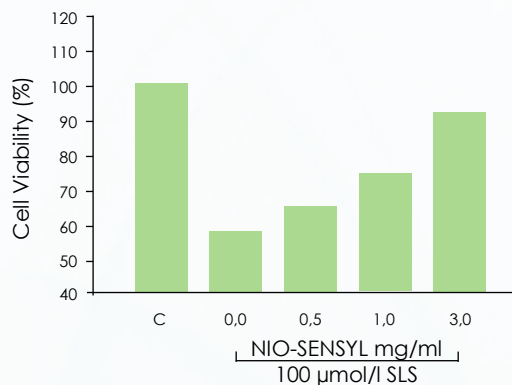
Natural Skin Equilibrium



IN VITRO EFFICACY

NIO-SENSYL ON KERATINOCYTE PROTECTION

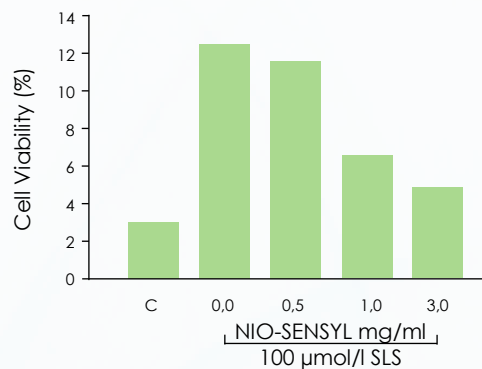
Protein Synthesis Rate of HaCaT Human Keratinocyte Cells after 48 hours



OVER 90% KERATINOCYTES SURVIVAL
AFTER SLS-INDUCED DAMAGE

NIO-SENSYL ON PGE2 RELEASE

Survival of HaCaT Human Keratinocyte Cells in culture without FBS after 48 hours



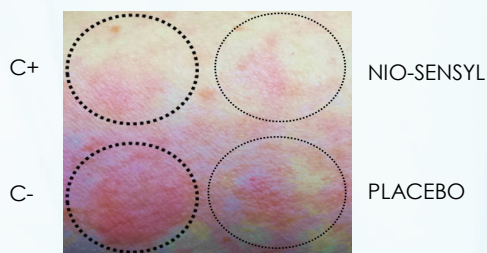
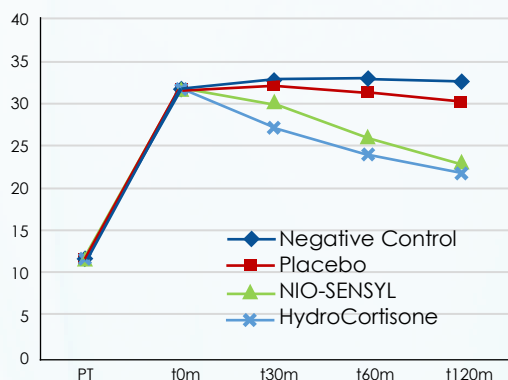
LESS THAN 50% PGE2 RELEASE
AFTER SLS-INDUCED DAMAGE



IN VIVO EFFICACY

NIO-SENSYL LENITIVE EFFECT

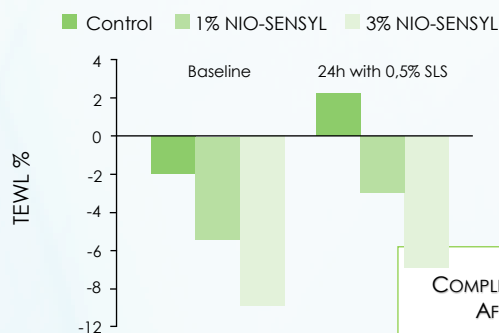
Measurement Eritema Index using colorimetric probe
APPLYING Placebo, NIO-SENSYL or HydroCortisone on skin
pre-treated with 0,5% SLS for 24 hours



ERYTHEMA SOOTHING EFFECTIVENESS
COMPARABLE WITH CORTISONE

NIO-SENSYL ON BARRIER INTEGRITY

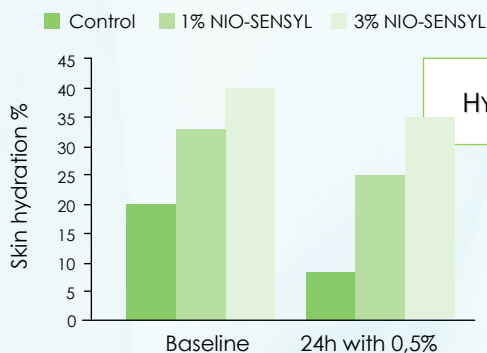
Measurement of TEWL using DermaLab Combo technique applying
1-3% NIO-SENSYL cream on skin after 24 hours SLS exposure



COMPLETE BARRIER RECOVERY
AFTER SLS EXPOSURE

NIO-SENSYL ON SKIN HYDRATION

Measurement of Skin Hydration using DermaLab Combo
technique applying 1-3% NIO-SENSYL cream on skin after 24
hours SLS exposure



HYDRATION +42%

NIO-SENSYL ON SKIN REDNESS

Assessment of Skin Redness after two application of 1% NIO-SENSYL cream on half-face twice daily



After 2 days



NIO-SENSYL

NIOSOME TECHNOLOGY

FOR SENSITIVE AND REACTIVE SKIN

CLAIMS

- ANTI-ECZEMA
- ANTI-ACNE
- ANTI-ROSACEA
- ANTI-ITCHINESS

COSMETIC APPLICATION

- PREVENTIVE AND PROTECTIVE CREAM
- SUN CARE PRODUCTS
- HYPOALLERGENIC CARE PRODUCTS
- COSMETIC FORMULATION FOR ACNE

INCI NAME

Hydrolyzed Garcinia Mangostana Fruit Extract, Saccharomices/Zinc Ferment, Magnolol/Honokiol, Polyglyceryl-10 Oleate, Apricot Kernel Oil Polyglyceryl-6 Esters, Sorbitan Palmitate, Cetyl Phosphate, 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:	1 - 3%
pH range:	3,5 - 8,5
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
Certification:	COSMOS Approved



Address: Via Ozanam, 4
20811 Cesano Maderno (MB) - Italy
Phone: +39 0362 545457
Fax: +39 0362 526364
Site: www.naturalis.it
Mail: info@naturalis.it