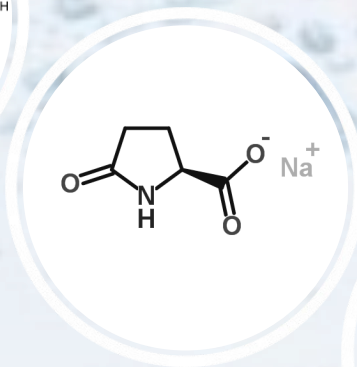
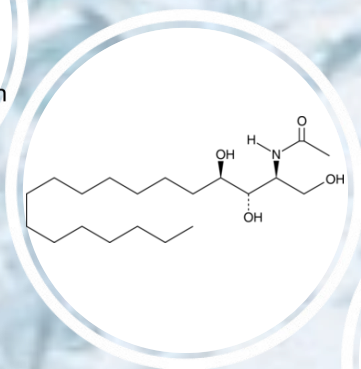
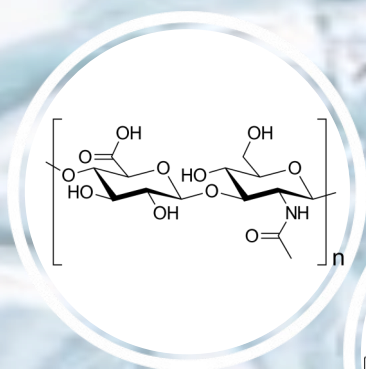


From Nature the Complete 3-Level Moisturizing System  
To Restore Perfect Skin Barrier Function

# NIO-NAG

NIOSOME TECHNOLOGY



In Vivo Hydration +38%

Pro-Collagen Synthesis +130%

Hyaluronic Acid Synthesis +35%

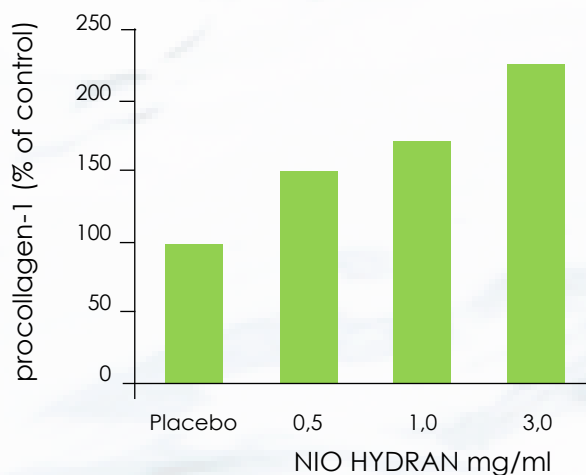




## IN VITRO EFFICACY

### NIO-NAG ON PROTEIN SYNTHESIS

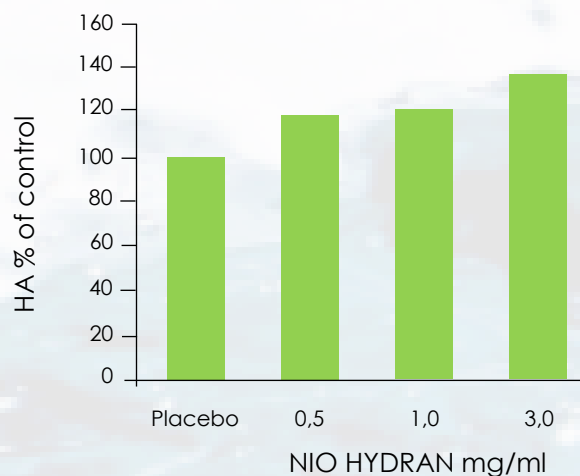
Measurement of ProCollagen-1 synthesis of fibroblast cell in coltures with 0-3 mg/ml NIO-NAG solution after 48 hours



PROCOLLAGEN SYNTHESIS +130%

### NIO-NAG ON HYALURONIC ACID

Measurement of Hyaluronic Acid synthesis of keratinocyte cell in coltures with 0-3 mg/ml NIO-NAG solution after 48 hours



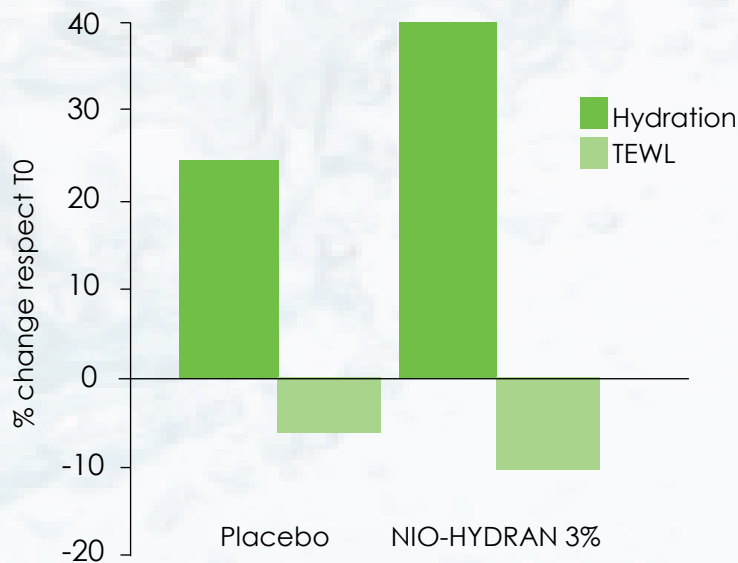
HYALURONIC ACID SYNTHESIS +35%



## IN VIVO EFFICACY

### NIO-NAG ON BARRIER FUNCTION

Measurement of Skin Hydration and TEWL using DermaLab Combo technique applying 3% NIO-NAG cream or placebo twice daily for 45 days

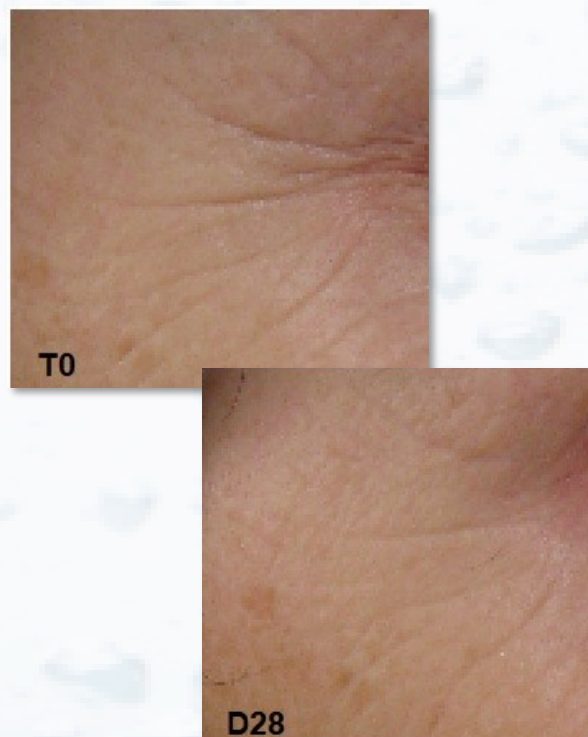


HYDRATION +38%

TEWL -12%

### NIO-NAG ON WRINKLES APPEARANCE

Assessment of skin condition applying 3% NIO-NAG vs placebo twice daily for 28 days



# NIO-NAG

## NIOSOME TECHNOLOGY

FOR DEHYDRATED AND DAMAGED SKIN

### CLAIMS

- HYDRATING
- MOISTURIZING
- ANTI-AGING

### COSMETIC APPLICATION

- MOISTURIZING DAY AND NIGHT CARE
- ACTIVE MAKE-UP
- SUN CARE
- POST-DEPILATORY PRODUCTS

### INCI NAME

N-Acetyl Glucosamine, Sodium PCA, Glycosphingolipids, Hydrolyzed Yeast Extract, Polyglyceryl-10 Oleate, Polyglyceryl-6 Laurate, 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

|                              |  |
|------------------------------|--|
| <b>Use Levels:</b>           | 1 - 3%   |
| <b>pH range:</b>             | 3,5 - 8,5  |
| <b>Incorporation:</b>        | Dilute in water before blending.<br>Do not heat above 50°C |
| <b>Origin:</b>               | Botanical, Biotechnological                                |
| <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 Pending   |



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