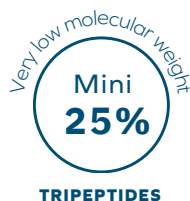


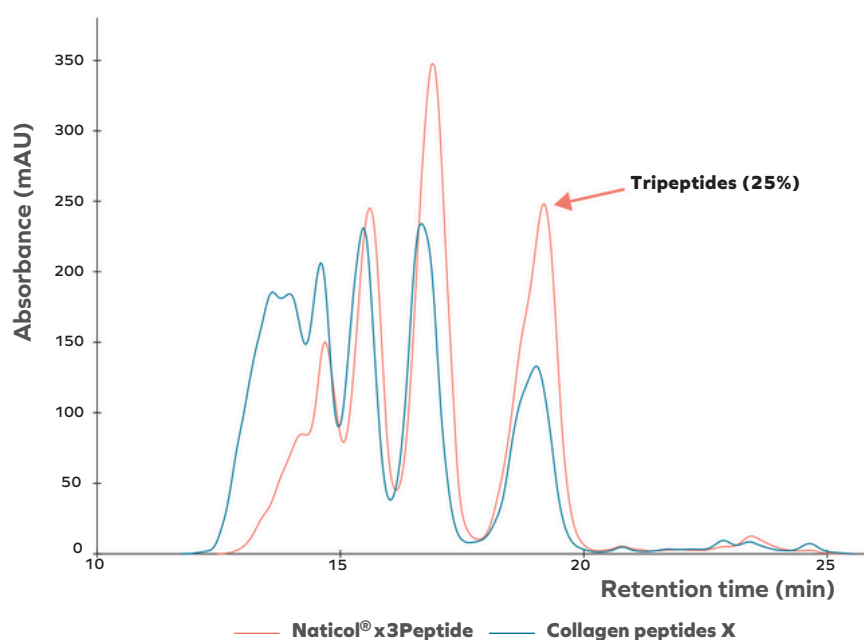
Naticol[®] Tripeptide

Your **x3** boosted fish collagen



- Naticol[®] x3Peptide is a natural bioactive fish collagen containing minimum 25% of collagen tripeptides
- Consisting of 3 amino acids, tripeptides are fundamental units of collagen
- Our unique enzymatic hydrolysis process generates at least 25 % of tripeptides with a very low molecular weight (300 Da). This allows to obtain a collagen of 1200 Da leading to a high absorption in the body
- Improved activity compared to other collagen peptides

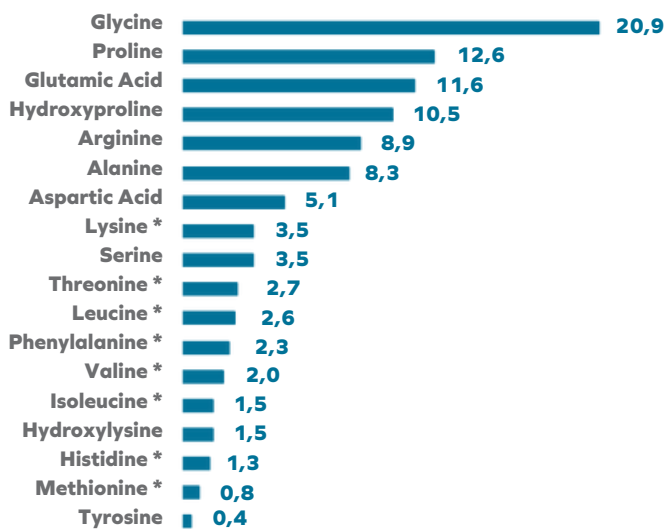
COMPARISON OF MOLECULAR WEIGHT DISTRIBUTION



100% PURE NATICOL® FISH COLLAGEN

- From sustainable fish skin
- 99% protein on dry matter
- Gluten-free & GMO-free
- Low molecular weight (1200 Da)
- Highly bioavailable & bioactive
- Exists in 2 forms:
 - Microgranulated for optimized dissolution in water
 - Powder form for capsules & tablets applications

TYPICAL AMINO ACID PROFILE (%)



* Essential Amino Acids

PREMIUM QUALITY

- Produced in Europe
- ISO 9001 and FSSC 22000 certified
- Food & Pharma grades
- Halal & Kosher, certifications*
- Friend of the Sea® certification*

* Available on request



ENHANCED EFFICACY

Same dosage for higher results



Prevents early signs of skin aging

- Reduces the appearance of wrinkles
- Improves skin firmness & elasticity
- Improves skin hydration
- Improves skin glow (luminosity & brightness)
- Increases skin lightening



Promotes joint comfort

- Improves joint comfort
- Improves physical function
- Enhances physical performance
- Improves quality of life



Contributes to the maintenance and growth of muscle mass

Contributes to the maintenance of normal bones



Helps to maintain mobility as we age

- Promotes healthy aging
- Reduces age-related mobility loss
- Increases body strength
- Improves joint comfort

TECHNOLOGICAL ADVANTAGES

Suitable for food supplements and functional foods & beverages

Neutral odor & taste

Highly soluble

Transparent & clear

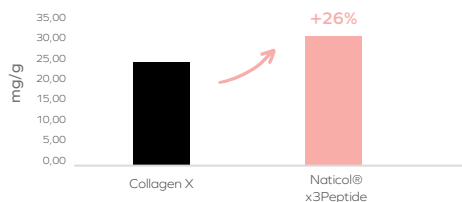
Highly compressible



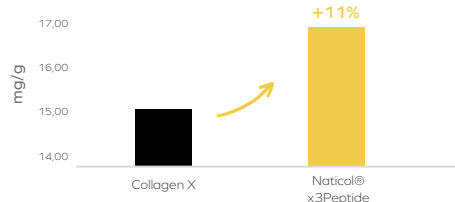
• NATICOL® x3PEPTIDE IMPROVED BIOAVAILABILITY

Bioavailability was assessed *in vivo* after oral ingestion of either fish collagen peptides X or Naticol® x3Peptide at the same dose. Hydroxyproline (collagen indicator) levels were thereby assessed in skin and joints.

NATICOL®x3PEPTIDE INCREASES THE LEVEL OF COLLAGEN IN SKIN



NATICOL®x3PEPTIDE INCREASES THE LEVEL OF COLLAGEN IN JOINT



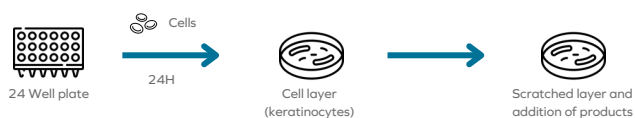
Third party testing, unpublished data, 2022.

• NATICOL® x3PEPTIDE ENHANCED BIOACTIVITY

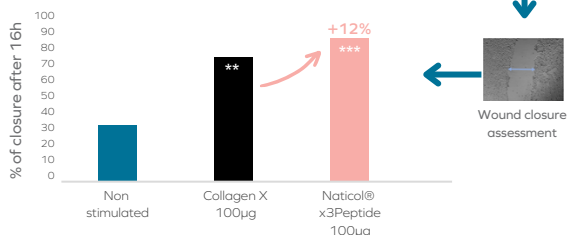
Bioactivity was assessed *in vitro* either after stimulation with fish collagen peptides X or with Naticol® x3Peptide at the same dose.

SKIN

IMPROVED WOUND CLOSURE



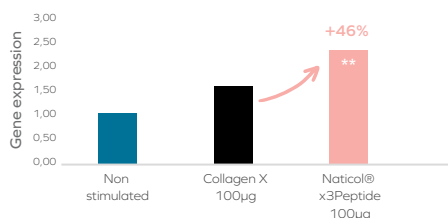
SCRATCH TEST : WOUND CLOSURE ASSESSMENT



MARKERS OF INFLAMMATION

A co-culture transwell system containing **keratinocytes** (skin cells) & monocytes (blood cells) was performed. Cells were thereby collected, and characterized for gene expression of TGF-β, involved in the growth and regeneration of skin.

ANTI-INFLAMMATORY MARKERS (TGF-β)



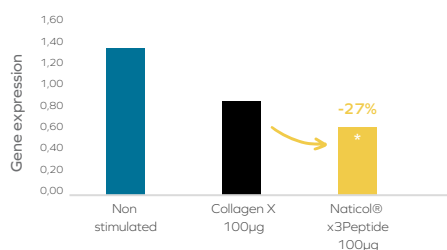
JOINT

A co-culture transwell system containing **chondrocytes** (cartilage cells) & monocytes (blood cells) was performed. Cells were thereby collected and characterized for gene expression of MMP9 and IL-1β.

ENHANCED JOINT COMFORT

MMP9 plays a role in collagen destruction and is over-expressed in joint condition resulting in cartilage damage.

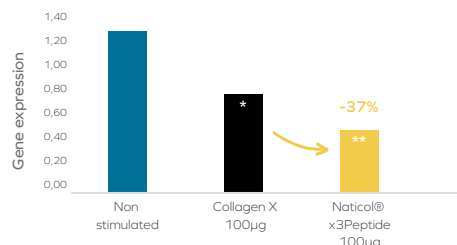
CARTILAGE-DEGRADING ENZYME (MMP9)



MARKERS OF INFLAMMATION

IL-1β also contributes to cartilage degradation and drives inflammation.

PRO-INFLAMMATORY MARKERS (IL-1β)



Third party testing, unpublished data, 2022.

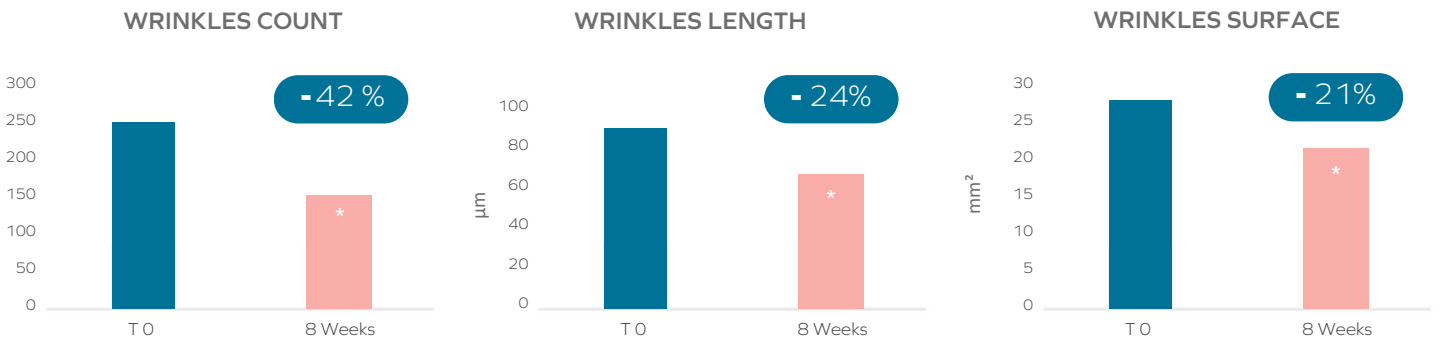
Naticol® x3Peptide enhances wound closure and reduces skin aging.

Naticol® x3Peptide enhances joint well being and reduces joint aging.

• NATICOL® x3PEPTIDE: CLINICALLY PROVEN BENEFITS

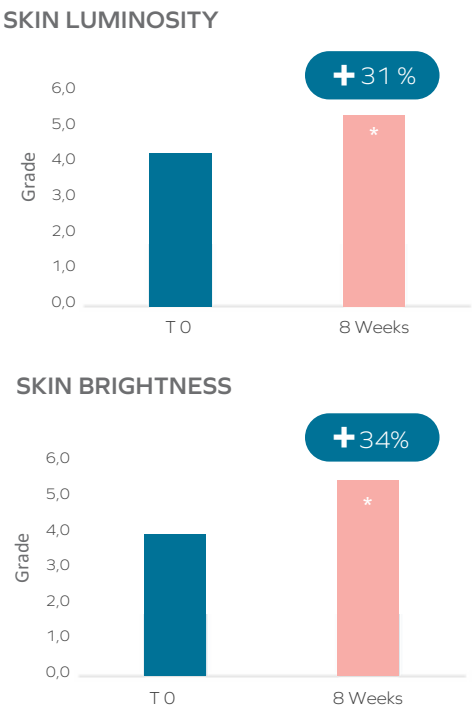
A clinical study was conducted to evaluate the effects of Naticol® x3Peptide on the skin. The study included 45 women aged 55 to 70, receiving a daily oral supplement of 2.5 g of Naticol® x3Peptide for 8 weeks. Key measurements included wrinkles reduction, skin hydration, lightening, tone, brightness and luminosity.

SKIN WRINKLES



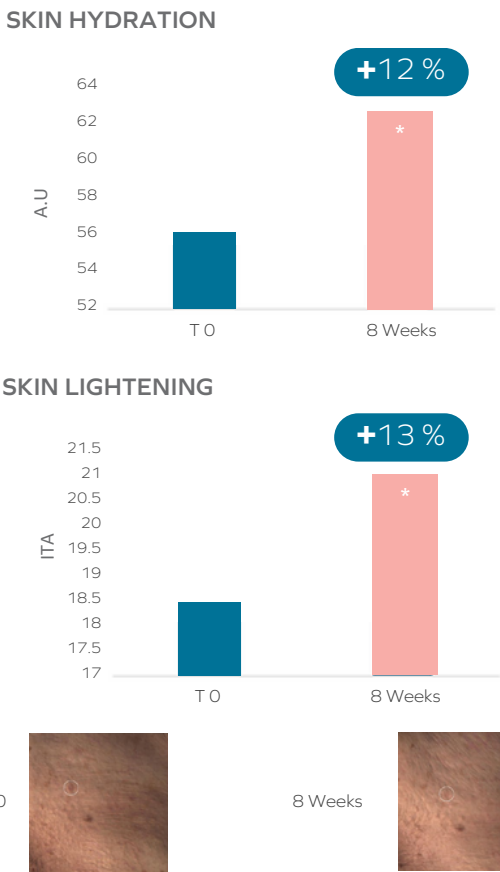
The graphs above demonstrate the significant reduction in wrinkles count, length, and surface area following 8 weeks of daily oral supplementation with Naticol® x3Peptide. These results showcase the anti-aging effects of Naticol® x3Peptide, with a **42% reduction in wrinkles count**, a **24% decrease in wrinkles length**, and a **21% reduction in wrinkles surface area**.

SKIN GLOW



The following graphs depict the improvement in skin glow after 8 weeks of Naticol® x3Peptide supplementation. **Skin luminosity increased by 31%**, while **brightness improved by 34%**, highlighting Naticol® x3Peptide ability to enhance overall skin radiance.

HYDRATION & LIGHTENING



These graphs illustrate the increase in skin hydration and lightening after 8 weeks of treatment with Naticol® x3Peptide. **Skin hydration improved by 12%**, and **skin lightening showed a 13% increase**, indicating a healthier and clearer skin.

BACKED BY SCIENCE

Naticol® x3Peptide 2.5 g / day
Clinical study carried on 45 healthy women subjects for 8 weeks.
Clinical study report available upon request - DermaProof Asia, Bangkok, Thailand.

The claims related to beneficial effects of the ingredient Naticol® on health and nutrition, as mentioned in this document, are substantiated by results of scientific studies, but are not all covered by the requirements of the European regulation 1924/2006/EC. It is the responsibility of the marketer of foodstuffs and food supplements containing Naticol® to comply with this regulation. These claims have not been evaluated by FDA. This product is not intended to diagnose, treat, cure or prevent any disease.

Enhance your beauty from within
with Naticol[®] x3Peptide



WITH ONLY 2.5G OF NATICOL[®] x3PEPTIDE PER DAY

Results from our study on skin

- BETTER HYDRATION
- IMPROVED SUPPLENESS
- ENHANCED FIRMNESS

87%
REPORTED AN
IMPROVED
SKIN

89%

felt their skin more
hydrated

87%

felt their skin more
supple

86%

felt their skin
complexion brighter

75%

experienced firmer
skin



* Consumer panel of 63 women
after 28 days of daily use

THE FIRST EUROPEAN FISH COLLAGEN TRIPEPTIDE

Recover faster and feel better with Naticol[®] x3Peptide



WITH ONLY 5G OF NATICOL[®] x3PEPTIDE PER DAY

Results from our study on sport

- REDUCED JOINT, TENDON & MUSCLE PAIN
- QUICKER & EFFICIENT RECOVERY
- IMPROVED FLEXIBILITY

68%
FELT THEY
RECOVERED
FASTER

85%
experienced less
joint pain

77%
felt fewer muscle
aches and pains

74%
noticed less
tendon pain

59%
noticed improved
joint flexibility



VG - March 2025

* Consumer panel of 34 volunteers
after 3 months of daily use



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