

Jeju Marine Fucoidan

Fuco-Undaria(S)

Beyond Hyaluronic Acid –
Your Skin's Ultimate Moisture Magnet

Ultra-low molecular weight fucoidan (1.1 kDa) from Jeju sporophyll delivers deep hydration, strengthens the skin barrier, and supports skin regeneration



+49%

Superior Water-holding vs Hyaluronic acid



43%

High Sulfate Content for enhanced moisture retention



1.1kDa

Ultra-low Molecular Weight for enhanced skin absorption



DEEP HYDRATION

Exceptional water-holding capacity



SOOTHING & RECOVERY

Calms irritation and supports skin repair



BRIGHTENING & ANTI-AGING

Supports clarity, elasticity and youthful skin



SKIN REGENERATION

Activates fibroblasts and supports collagen remodeling

THE JEJU DIFFERENCE



ANCIENT WISDOM

Inspired by whales' post-birth recovery instinct, seaweed has long been valued in Korean tradition as a symbol of healing and renewal.



PRISTINE JEJU

The fierce currents and intense sunlight of Jeju Chuja Island create a pristine environment where seaweed naturally produces abundant fucoidan as a survival mechanism.



PEAK-SEASON SELECTION

We harvest only during peak months (Nov–Mar) to deliver premium fucoidan with the highest concentration and bioactivity.

WHAT IS FUCOIDAN?

Fucoidan is a natural sulfated polysaccharide composed of a fucose backbone with dense sulfate groups.



Moisture Magnet

High-density sulfate groups bind water molecules tightly



Skin Defense

Supports barrier function and protects against irritation



Skin Regeneration

Activates fibroblasts and supports collagen remodeling

COMPOSITION PROFILE

Total Sugars
40–60%

Sulfat ★
43%

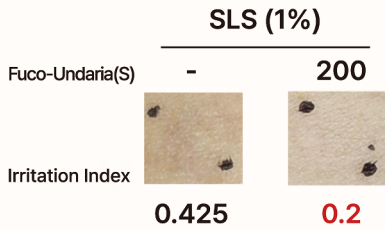
Fucose Core
20%

★ 1.4X vs Standard Sulfate Content



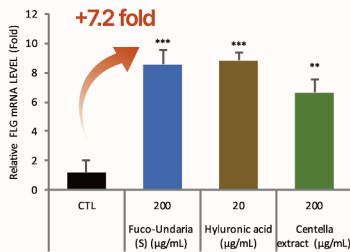
SCIENCE-BACKED DATA To Support Proven Efficacy

1 BARRIER REINFORCEMENT Mitigation of SLS-Induced Skin Irritation



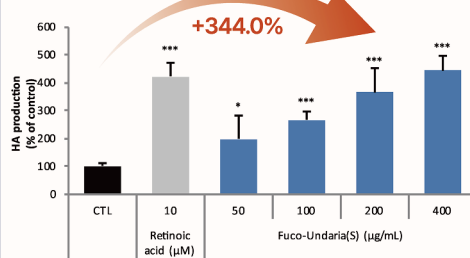
• Helped calm irritated skin under SLS challenge, reducing the Primary Irritation Index (PII) from 0.425 to 0.20 and visibly improving skin comfort.

Up-regulation of Filaggrin (FLG) mRNA



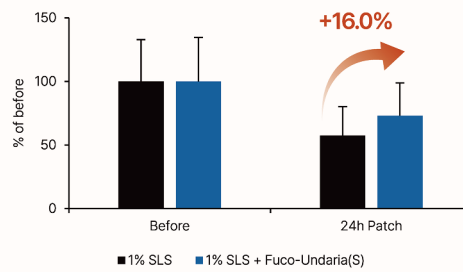
• Fuco-Undaria(S) helps support a stronger skin barrier through enhanced FLG mRNA expression.

2 MOISTURE RETENTION Stimulation of Hyaluronic Acid



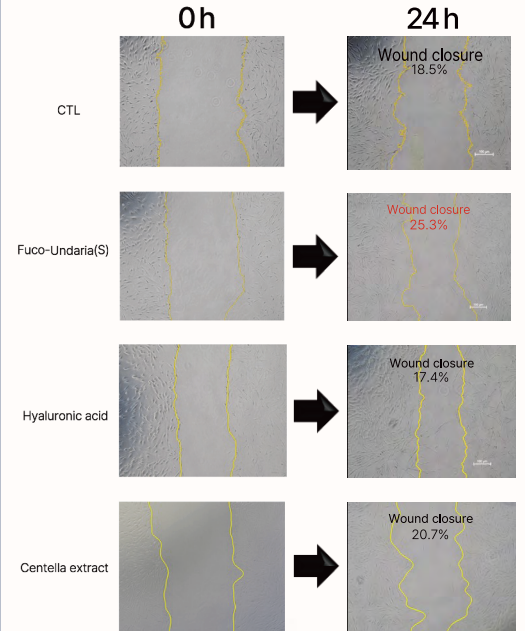
• Enhanced hyaluronic acid production by up to 344.0%, supporting long-lasting skin hydration

Clinical Validation: 24h Moisture Retention



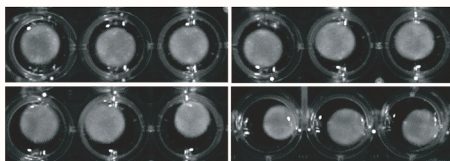
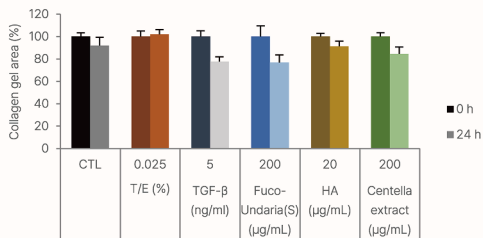
• In a clinical study of 20 participants, Fuco-Undaria(S) improved moisture retention by 16.0% after 24 hours under irritated skin conditions versus SLS alone.

3 SKIN REGENERATION Wound Healing Effect



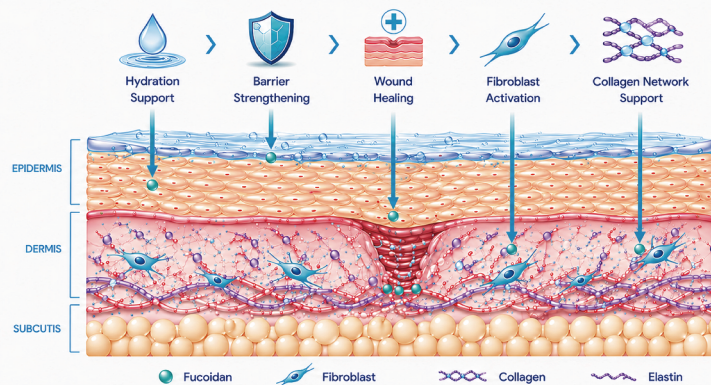
• Fuco-Undaria(S) showed the strongest skin regeneration effect in the scratch assay, achieving the highest wound closure among the tested samples.

4 ELASTICITY IMPROVEMENT Promotion of Collagen Gel Contraction



• Fuco-Undaria(S) promoted collagen gel contraction in fibroblasts, suggesting improved dermal matrix remodeling and skin elasticity support.

MECHANISM OF ACTION



KEY BENEFITS

- Moisture Retention**: Enhances skin hydration and prevents moisture loss.
- Barrier Reinforcement**: Strengthens skin barrier and protects against environmental stress.
- Skin Regeneration**: Promotes wound healing and supports healthy skin recovery.
- Elasticity Improvement**: Activates fibroblasts and supports collagen & ECM for firmer, more elastic skin.

CLEAN & RESPONSIBLE



GLOBAL AVAILABILITY



CERTIFICATIONS



PATENTS



CONTACT US

