

SKINCARE

OCEANBOOST™ LF

Regenerative
Marine Bioactive for
High-Performance
Skincare



COSMOS
APPROVED



 ORIGIN^{BY}OCEAN

With proven activity across four key inflammaging pathways, OCEANBOOST™ LF unlocks hundreds of potential claims across all skincare categories – performing as a standalone hero or a performance-enhancer for legacy actives.



INCI: FUCOIDAN | COSMOS APPROVED
 APPEARANCE: OFF-WHITE POWDER
 ODOUR: NEUTRAL, NO OCEANIC NOTES

- OCEANBOOST™ LF is the industry’s first circular fucoidan upcycled from Sargassum. This high-purity bioactive provides defense against the visible signs of inflammaging.
- *in vitro* screening demonstrates activity across **four key biological mechanisms** that prevent visible signs of aging.
- These results were validated *in vivo* showcasing clinical performance at low inclusion levels with visible, real-world results.

CLINICALLY VALIDATED EFFICACY

- in vitro* Strong activity on AP-1 pathway which can support skin longevity through ECM protection
 - in vivo* Improvement of skin firmness, elasticity & smoothness - COMING SOON
 - in vitro* Calms neuro-inflammation in sensitive skin types through TRPV1
 - in vivo* At 0.3% OCEANBOOST™ LF reduces redness and sensitivity in 28 days
 - in vitro* Strong wound healing in the keratinocytes
 - in vivo* At 0.3% OCEANBOOST™ LF reduces TEWL and improves hydration in 28 days
 - in vitro* Inhibits melanin production in melanocytes
- We've only just begun – exciting new data is on the way.*

FORMULATION ADVANTAGES

- A highly water-soluble powder that requires no pre-dispersion.
- Efficient in low inclusion levels (0.1-0.3%) ideal for cosmetics and hybrid formulations with small water phases.
- A translucent, low-odor profile that avoids the turbidity and marine scent common in algae extracts.
- Fast-absorbing, non-tacky, and compatible with high-performance, elegant textures.

These benefits make fucoidan highly attractive for serums, essences, hybrid makeup, barrier creams, post-treatment products, and soothing solutions.

HIGH-ACTIVITY BIOLOGICAL PATHWAYS

Experimental models	Age-Defying			Sensitive Skin		Nourishing		Skin Evenness		Skin Defense				Barrier Fortify			Hair Care	
	Rejuvenation	Anti-Aging	Firming	Itching	Soothing	Skin Renewal	Hydrating	Anti-Hyperpigmentation	Blemished Skin	Photo-protection	Anti-Pollution	Anti-Inflammatory	Anti-Oxidative Stress	Atopic Skin	Skin Barrier Repair	Tissue Regeneration	Anti-hair loss	
Wound Healing (k)	++	++	++	++	.	.
TRPV1 Antagonism	+++	+++	.	+++	+++	+++	+++	.	.	+++	+++	+++	.	+++	+++	.	+++	.
Melanin Inhibition (m)	++	++
AP-1 Inhibition (mac)	+++	+++	.	.	.	+++	.	.	+++	+++	.	+++	.	+++	.	+++	.	.

+ low activity, ++ medium activity, +++ high activity, . No relation | (f) fibroblasts, (k) keratinocytes, (m) melanocytes, (mac) macrophages

ORIGIN^{BY}OCEAN is a Finnish based innovative biotech company dedicated to transform invasive ocean overgrowth into high-performance, bio-based ingredients for cosmetics, personal care, and beyond. By leveraging regenerative innovation, the company delivers scalable, sustainable alternatives to fossil-derived chemicals—proving that ocean restoration can be a commercially viable and competitive advantage.

Partner With Us Now: Samples, technical support and future supply: sales@originbyocean.com