



**ORGANIC
BIOACTIVES**
NEW ZEALAND

INNOVATING FROM TRADITION™

OceanDerMX®

BALANCE & BRIGHTEN

NEW ZEALAND NATIVE
RED SEAWEED & MAMAKU
BLACK FERN WITH GOTU KOLA
& LIQUORICE ROOT

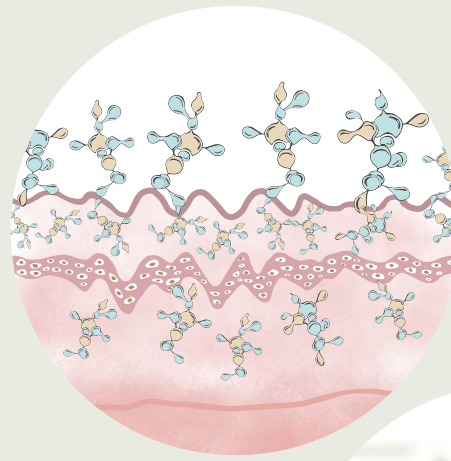
*Skin brightening botanicals
designed to diminish uneven skin
tone and imperfections*



IPONZ PATENT
No. 777951

OVERVIEW

Clinically proven skin brightening botanicals; New Zealand native Red seaweed and Mamaku – Black fern with Gotu Kola and Liquorice root, working together as a synchronised alliance of botanicals to combat uneven skin tone and imperfections fast and effectively.



Sulphated glucosaminoglycans [sGAGs] play a major role in skin vitality and delivery of bioactives via their vibrant intra and extracellular communication

PROVEN BENEFITS

- Effectively diminishes blemishes and hyperpigmentation in only 7 days
- Boosts the skin with immediate and long-lasting hydration
- Promotes even skin tone and natural glow

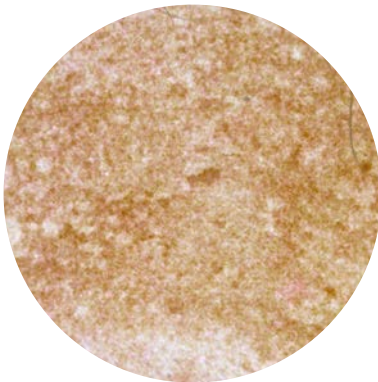
Sulphated GAGs in OceanDerMX® Balance & Brighten stained with Alcian blue stain



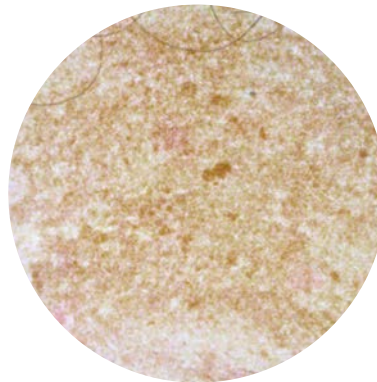
CLINICAL STUDIES

IN VIVO

BRIGHTENING EFFECT ON THE SKIN



BEFORE APPLICATION
[untreated skin]

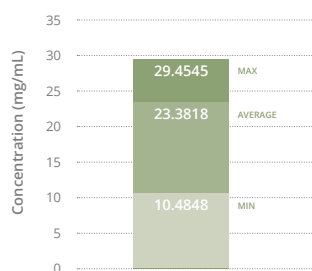


AFTER APPLICATION
[As little as 7 days of continuous application twice a day, showing significant brightening of the skin]

Photos taken by Observe 520, Synton diagnostic systems, under the Complexion mode

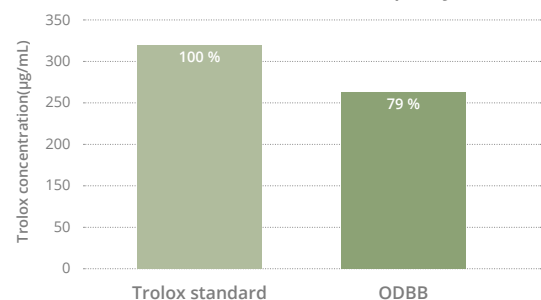
IN VITRO

sGAG Concentration of OceanDerMX® Products



Average sGAG quantity in OceanDerMX® products
23.3818 mg/mL \pm 5.25572

OceanDerMX® Balance&Brighten Relative total Antioxidant Capacity



SYNCHRONISED MODES OF ACTION



NEW ZEALAND NATIVE RED SEAWEED

A plethora of studies have confirmed that the hydrating and plumping effect of red seaweed on the skin, is attributed to the various mix of

versatile **biomimetic sulphated glycosaminoglycans (sGAG)**. These natural biopolymers are known to form a **fish-net like matrix** that can help hold water molecules, while also acting as a structural scaffold to tighten the skin.



MAMAKU - NEW ZEALAND NATIVE BLACK FERN

Some of New Zealand native plants have developed marvellous **biomimetic biopolymers** as defensive and adaptive mechanisms to survive and thrive in their unique New Zealand

environment where the thin ozone layer offers little protection against aggressive UV rays. Botanicals like Mamaku - Black fern produce mucilage containing **Glucuronomannans**, which play a major role in forming 3D - viscoelastic matrix that can rapidly hydrate. Consequently, this synergistic activity provides immediate lifting and tightening of the skin.



NEW ZEALAND GROWN GOTU KOLA

Centella asiatica (Gotu Kola) is another top tier, a potent natural ingredient used to **brighten the skin**. Studies

have shown that Gotu Kola covers this through a **different mechanism** of action than Liquorice root. Gotu kola is abundant in **asiaticoside**, which **inhibits the expression tyrosinase**, thereby **reducing pigmentation in the long run** Furthermore, **UEA - Ultrasound assisted extraction of Gotu Kola [which is a part of our proprietary TPT Xtraction® technology]**, has been proven to improve these properties by **increasing the amount of asiaticoside** that can be extracted.



LIQUORICE ROOT

Glycyhrriza glabra (Liquorice root) is a **highly sought after skin brightening and depigmentation** cosmetic ingredient as it **inhibits tyrosinase** through mechanisms other than oxidant reducing activity at the enzyme's active site. Instead, the

compounds within Liquorice root **block the active site of tyrosinases**, so they temporarily cannot perform their catalytic activities to produce melanin. Furthermore, Gotu Kola can help improve skin's protective barrier and help restore the skin after sun damage.



TECHNICAL & REGULATORY

INCI: Aqua & Sarcothalia circumcincta & Cyathea medullaris leaf extract & Centella asiatica leaf & Glycyrrhiza glabra root, Pentylene glycol

TECHNOLOGY: TXP Xtraction™ (Bio-liquefaction) process

GENERAL USE: 1% – 5% for general use, 5% for intense balance and brightening benefits

pH RANGE OF FINAL PRODUCT: 5 – 8

FORMULATION: Add to the emulsifying phase. Excellent compatibility with traditional and sustainable – cold process formulating methods.

REGULATORY: Certified Vegan, China Compliant, Ecocert & Cosmos Compliant

ABOUT ORGANIC BIOACTIVES

Organic Bioactives brings the power of New Zealand's rich and bountiful biodiversity together with innovative green biotechnologies to create high-efficacy cosmetic bioactives.

We are committed to Tikanga Māori – the inherited values and practices of the indigenous people of Aotearoa New Zealand. For that reason, we keep the process of harvesting with Māori communities who still carry the traditional knowledge on how to approach our native habitat in a respectful and sustainable way.

New Zealand is being internationally recognised as a biodiversity hotspot that is both abundant and unique. The impact of high UVB sunlight on its plants produce superior levels of bioactivity not found anywhere else in the world. For this, we are grateful and blessed.

DISCLAIMER

This brochure is not intended for final consumer or to advertise your products to final consumers without our written approval. No claims related to the ingredients and formulation shall be made without our prior written approval - [even though the claims are presented in this brochure] The person using the ingredients or formulation from this brochure is solely responsible that the final products, labeling, packaging, advertising and claims comply with local cosmetic laws and regulations.

APPLICATIONS

- Lightening and brightening lines
- Brightening face masks
- Serums and face creams
- Night brightening skincare products and lines



Organic Bioactives Ltd.

Tasman Building, Suite B, Level 1
16-22 Anzac Avenue
Auckland 1010
New Zealand

info@organicbioactives.com

www.organicbioactives.com