



**ORGANIC
BIOACTIVES**

NEW ZEALAND

INNOVATING FROM TRADITION™

OceanDerMX®

CALM & SOOTHE

UNRIVALLED ALLIANCE OF NEW
ZEALAND NATIVE RED SEAWEED,
MAMAKU – BLACK FERN,
KAWAKAWA & MĀNUKA HONEY

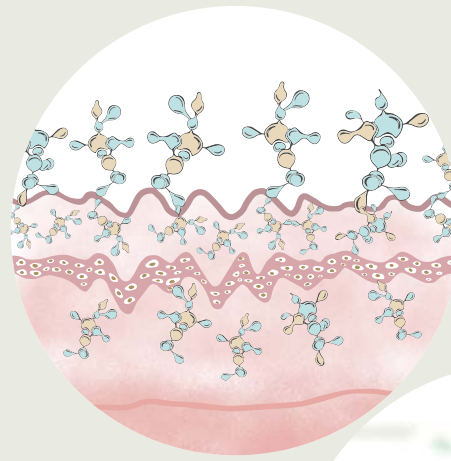
*Highly anti-inflammatory
bioactives to help calm, soothe
and repair skin*



IPONZ PATENT
No. 777954

OVERVIEW

An unrivalled blend of New Zealand native Red seaweed, Mamaku – Black fern, Kawakawa and Mānuka honey. Rich in naturally calming and anti-inflammatory compounds only found in native New Zealand Kawakawa leaves and our famous Mānuka honey. Helps to soothe the skin and combat blemishes.



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

PROVEN BENEFITS

- Calms and soothes the skin within 15 minutes
- Diminishes redness
- Helps compact blemishes
- Helps balance oily and acne prone skin

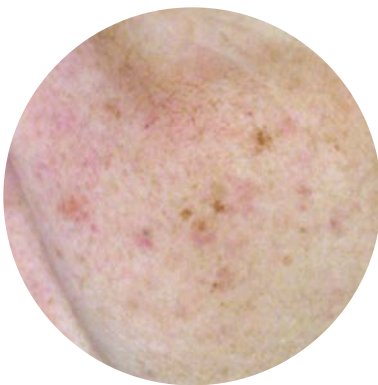
Sulphated GAGs in OceanDerMX® Calm & Soothe stained with Alcian blue stain



CLINICAL STUDIES

IN VIVO

CALMING EFFECT ON THE SKIN



BEFORE APPLICATION
[untreated skin]

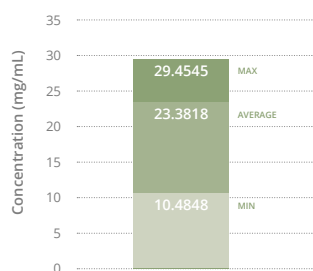


AFTER APPLICATION
[14 days of continuous application twice a day, showing brightening and restoring of the skin from the UV induced sun damage]

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

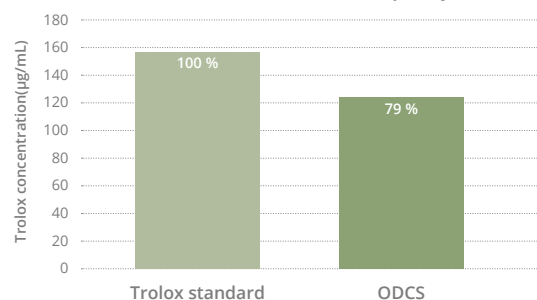
IN VITRO

sGAG Concentration of OceanDerMX® Products



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

OceanDerMX® Calm&Soothe 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 NATIVE KAWAKAWA TREE

Micropiper excelsum colloquially known as Kawakawa tree by New Zealand native Māori is one of the most commonly used medicinal plants

in Rongoa - traditional Māori healing, featuring **calming, detoxifying and anti-inflammatory benefits** either taken orally or applied topically. Leaves of New Zealand native Kawakawa bear a similar milieu of bioactives to its relatives in the Piper family, as it is high in diyangambin, elemicin, myristicin and vitexin glucoside. Diyangambin, elemicin and myristicin are bioactives known to possess **high level of anti-inflammatory activities**, while vitexin glycoside and elemicin have **antimicrobial activities**.



NEW ZEALAND NATIVE MĀNUKA HONEY

Mānuka honey is world renowned for its **non-peroxide anti-bacterial and anti-inflammatory properties**, which act synergistically to **calm and soothe inflamed skin**. There are

mounting studies that associate these attributes to the abundance of **unique polyphenols within Mānuka honey**. Supporting Kawakawa's unique mode of action, Mānuka's milieu of polyphenols stimulate both pro-inflammatory and anti-inflammatory processes. This fortified mechanism of action promotes the inflammation to proceed on its natural course, resulting in **faster healing processes** and contributing in **calming and soothing of the inflamed area**.



TECHNICAL & REGULATORY

INCI: Aqua & Sarcothalia circumcincta & Cyathea medullaris leaf extract & Macropiper excelsum leaf extract & Honey & Pentylene glycol

TECHNOLOGY: TXP Xtraction™ (Bio-liquefaction) process

GENERAL USE: 1% – 5% for intense calming and soothing 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 Vegetarian, 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

- Sensitive skin lines
- Redness control lines
- Calming and soothing lines
- Acne prone skin lines



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