



**ORGANIC  
BIOACTIVES**  
NEW ZEALAND

INNOVATING FROM TRADITION™

# OceanDerMX™

## RESTORE & PROTECT

**Restorative Powerhouse**  
*Immediate skin hydration &  
restorative boost*

NEW ZEALAND NATIVE RED SEAWEED  
& MAMAKU - BLACK FERN WITH NEW  
ZEALAND GROWN CERTIFIED ORGANIC  
GREEN TEA & BLACKCURRANTS



COSMOS  
APPROVED



NEWZEALAND.COM  
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CHINA  
COMPLIANT

RAW MATERIAL VERIFIED BY ECOCERT GREENLIFE,  
CONFORM TO THE COSMOS STANDARD

IPONZ PATENT  
NO. 793031

# 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 glucosaminoglycans (sGAG). These natural biopolymers are known to form a fishnet 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.

Botanicals like Mamaku - Black fern produce mucilage containing Glucuronomannans, which play a major role in forming 3D - viscoelastic matrix that can rapidly hydrate. This synergistic activity provides immediate lifting and tightening of the skin.



## NEW ZEALAND GROWN GREEN TEA

EGCG is the major catechin in green tea that mainly has a protective function on the skin. It reduces reactive oxygen species (ROS) on the skin by inhibiting the infiltration of

UV-induced, ROS-producing CD116+ cells, while up-regulating epidermal antioxidant enzymes. Furthermore, it reduces oxidative stress by reducing inflammatory processes, via managing the expression of pro-inflammatory cytokines like IL-6 and IL-12.



## NEW ZEALAND GROWN BLACKCURRANT

The abundance of anthocyanins from New Zealand grown blackcurrants help restore the production of elastin, collagen I and III.

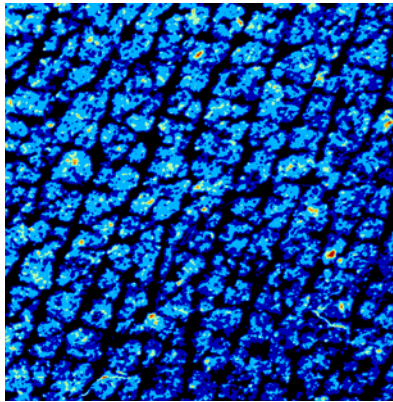
Blackcurrants also have UVB protective and anti-inflammatory effects, as one particular anthocyanin, Cyanidin-3-O-glucoside (C3G), is known to reduce UV induced expression of proinflammatory cytokine IL-8 which causes oxidative stress.



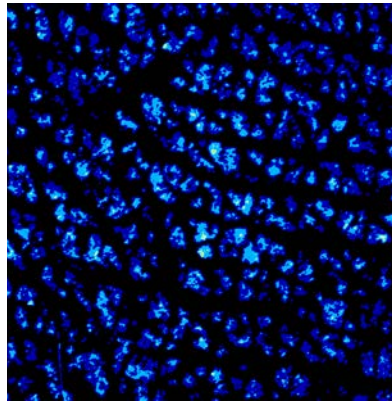
# CLINICAL STUDIES

## IN VIVO

Evaluation of Immediate Hydration and Reduction in Desquamation Efficacy of 5% OceanDerMX™ Restore & Protect on dry skin



Before

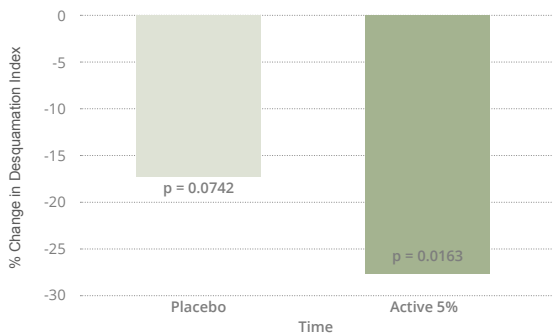


DAY 14

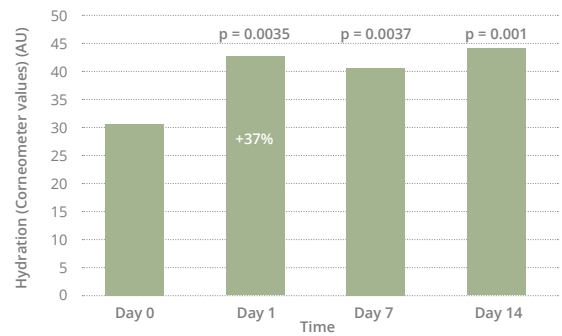
Images show that the red, orange, light-green and light blue patches (which represent thicker flakes) decreased significantly, revealing an even distribution of corneocyte layer, after a 14-day treatment with OceanDerMX™ Restore & Protect at 5%.

Images were taken using Corneofix® CF-20 strips on the Visioscan camera.

% Reduction in Desquamation Index after Treatment with OceanDerMX™ Restore & Protect at 5%

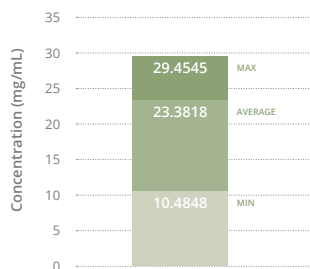


Increase in Hydration over time with OceanDerMX™ Restore & Protect at 5%



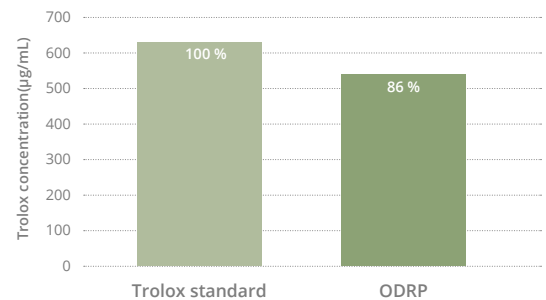
## ANALYTICAL DATA

sGAG Concentration of OceanDerMX™ Products



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

OceanDerMX™ Restore & Protect Relative total Antioxidant Capacity



CUPRAC [ CUPric Reducing Antioxidant Capacity ] method

# TECHNICAL & REGULATORY

## PRESEVATIVE OPTIONS:

**INCI:** Aqua & Sarcothalia circumcincta & Camellia sinensis leaf & Cyathea medullaris leaf extract & Ribes nigrum fruit & Pentylene glycol

**China INCI:** Aqua & Kousou ekisu & Camellia sinensis leaf & Cyathea medullaris leaf extract & Ribes nigrum (Black currant) fruit extract & Pentylene glycol

## OR

**INCI:** Aqua & Sarcothalia circumcincta & Camellia sinensis leaf & Cyathea medullaris leaf extract & Ribes nigrum fruit & Gluconolactone & Sodium benzoate & Potassium sorbate & Calcium gluconate

**China INCI:** Aqua & Kousou ekisu & Camellia sinensis leaf & Cyathea medullaris leaf extract & Ribes nigrum (Black currant) fruit extract, Gluconolactone & Sodium benzoate & Potassium sorbate & Calcium gluconate

**TECHNOLOGY:** TPT Xtraction™ (Bio-liquefaction) process

**GENERAL USE:** 1% – 5% for general use, 5% for intense restore and protecting benefits

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

# PROVEN BENEFITS

- Immediate skin hydration & restorative boost
- Promotes age-defying
- Helps to restore sun damaged skin

# APPLICATIONS

- Night care lines and overnight leave-on masks
- Antioxidant booster lines
- Sheet masks
- Sun damaged and prematurely aged skin

# 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.



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