



**ORGANIC
BIOACTIVES**
NEW ZEALAND

INNOVATING FROM TRADITION™

MānukaDerMX®-A

AQUEOUS MĀNUKA LEAF EXTRACT

*Defends against acne, redness,
and environmental stressors*

- Protects your skin from the harmful effects of **free radicals**
- Deters **acne-causing bacteria**, promoting a clearer and healthier complexion



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

IPONZ PATENT
No. 818383

April 2025 / Ver. 004



*New Zealand botanicals sustainably harvested by indigenous Māori
communities according to their ancient harvesting practices*

Mānuka (*Leptospermum scoparium*) is a native New Zealand small tree renowned for its **extraordinary bioactive properties**.

The leaves of Mānuka are prized for their robust **antibacterial, anti-fungal, antiviral, and anti-inflammatory** attributes, coupled with notable antioxidant activity.



THE ORIGIN AND COMPOSITION

BOTANICAL NAME: *Leptospermum scoparium*

COMMON NAME: Mānuka, New Zealand Tea Tree, Mānuka Myrtle

COUNTRY OF ORIGIN: Endemic and grown in New Zealand

BIOACTIVITY: Antimicrobial, powerful antioxidants, polyphenols, metal chelation

MĀNUKA TREE IN TRADITIONAL MĀORI HEALING

For centuries, the indigenous Māori people of New Zealand have harnessed various parts of the Mānuka tree to address a myriad of skin and body conditions, showcasing the enduring and versatile healing properties of this remarkable plant.

Aside from its leaves, Mānuka honey derived from the Mānuka tree is highly valued for its medicinal properties by the Māori people for centuries. Traditionally, the Māori used Mānuka honey for its antimicrobial and healing qualities, applying to wounds and infections to promote rapid healing and reduce the risk of infection. They also utilised it for digestive issues and to soothe sore throats. The use of products from the Mānuka tree is increasingly popular in modern wellness practices.

DID YOU KNOW?

When Captain James Cook first arrived at Mercury Bay in 1769, he encountered the local Māori, who introduced him to the medicinal benefits of Mānuka leaf tea. The Māori had long used Mānuka for its health-preserving qualities, a practice that had sustained their communities for generations. Cook, recognizing its potential, adopted the tea

to keep his crew healthy and protect them from scurvy. He noted in his journal, "...the leaves were used by many of us as a tea which has a very agreeable bitter taste and flavour when they are recent but lose some of both when they are dried.".

UNIQUE QUALITIES OF MānukaDerMX®-A

Sourced from some of New Zealand's purest and most remote locations, Mānuka leaves benefit from the extraordinary levels of UVB sunlight radiation across New Zealand. This natural phenomenon sparks a remarkable surge in bioactivity within the plants, enabling them to harness nature's defense against the relentless onslaught of UVB rays.

In a commitment to sustainability, Mānuka leaves are mindfully and sustainably harvested by indigenous Māori communities, preserving their ancient harvesting practices and ensuring the continuation of this unique natural legacy.



PROPRIETARY EXTRACTION TECHNOLOGY PlantæXtraction®

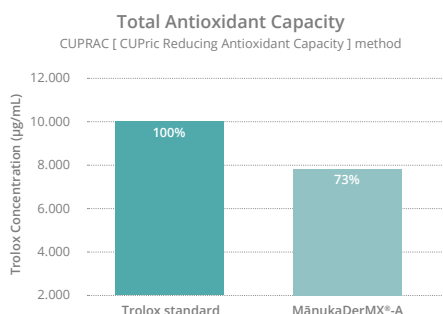
IPONZ PATENT
No. 807178

Our innovative Green Bio-Tech employs a low-speed, cold crushing, and pressing system designed to physically disrupt and break open plant cell walls while minimizing exposure to air and heat. This process ensures the retention of plant vitality, effectively releasing vitamins, antioxidants, enzymes, and minerals.

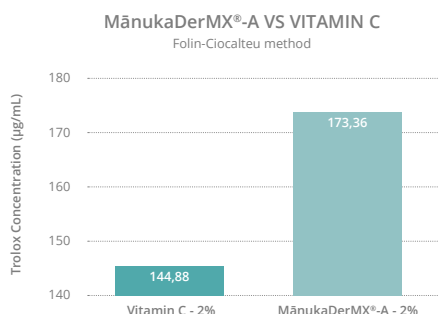


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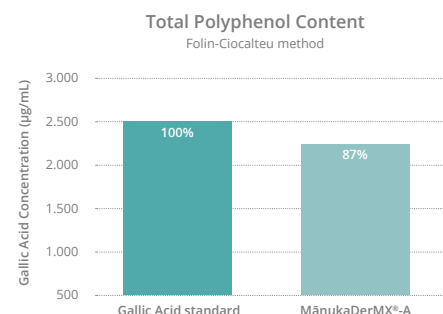
Standardized efficacy data is showing significant antioxidant activity



Graph 1. Trolox is used as a reference antioxidant standard to evaluate the antioxidant strength of natural extracts. **MānukaDerMX®-A** achieved **73%** (average of **7331µg/mL**) of the Trolox benchmark, demonstrating a **strong antioxidant activity** and providing **significant oxidative stress protection**.



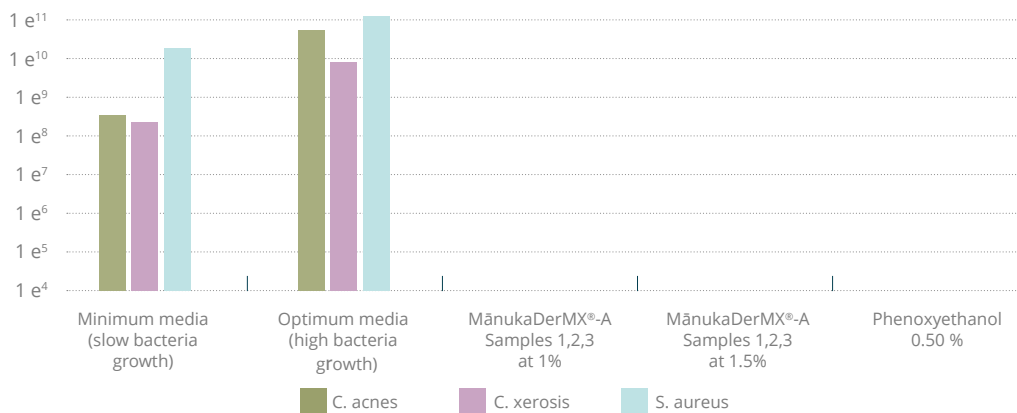
Graph 2. **MānukaDerMX®-A** was compared to Vitamin C at the same concentration – 2%. The results show that **MānukaDerMX®-A** has a **stronger antioxidant activity** than Vitamin C, known to be one of the best antioxidant.



Graph 3. Gallic acid is used as the calibration standard to quantify polyphenols. **MānukaDerMX®-A** achieved **87%** (average of **2177 µg/mL**) of the Gallic acid benchmark. This high polyphenol content contributes to **antioxidant** activity as well as **hydrating** properties.

IN VITRO RESULTS – antimicrobial activity of MānukaDerMX®-A

Three samples of **MānukaDerMX®-A** were tested at 1.5% and 1.0%. The results demonstrate that **MānukaDerMX®-A** is as effective as Phenoxyethanol at 0.5% for all concentrations, causing a decrease in bacterial population by ≥ 2 log and preventing the growth of pathogens.



Graph 4.

Effect of **MānukaDerMX®-A** at 2 concentrations and different controls (culture medium and Phenoxyethanol after 48 hours in sebaceous environment model). **MānukaDerMX®-A** at 1% and 1.5% has the same effect on the bacterial population as Phenoxyethanol by decreasing C. acnes, C. xerosis and S. aureus.

Table 1. Effect of

MānukaDerMX®-A at 1% and 1.5% on the different strains studied (i.e. C. acnes, C. xerosis, S. aureus) of the sebaceous environment model.

- : the product causes a decrease in the bacterial population (≥ 2 log).

Product	C. acnes	C. xerosis	S. aureus
MānukaDerMX®-A – 1%	-	-	-
MānukaDerMX®-A – 1.5%	-	-	-
Control – 0.5% Phenoxyethanol	-	-	-

TECHNICAL & REGULATORY

INCI:

Glycerin (and) Leptospermum scoparium Leaf Extract

SUGGESTED DOSAGE: 1 – 2%

REGULATORY:

Certified Vegan, Ecocert & Cosmos Approved, China Compliant

NATURAL ORIGIN INDEX: 1

APPLICATIONS

- Anti-acne products
- Sensitive skin care
- Scalp & haircare products
- Body care (body odour control)

NONE OF THE INGREDIENTS ARE DERIVED FROM GENETICALLY MODIFIED ORGANISMS (GMO) WITH ALL THE PLANTS MEETING THE ORGANIC DEFINITION OF THE ISO 16128 STANDARD.

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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