



**ORGANIC  
BIOACTIVES**  
NEW ZEALAND

INNOVATING FROM TRADITION™

# PlantæDerMX™

## Mamaku - Black Fern Extract

---

*Promotes immediate tightening  
and lifting of the skin*

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



COSMOS  
APPROVED



NEW ZEALAND.COM  
Licence No. 100685

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

# NEW ZEALAND'S POINT OF DIFFERENCE

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 [1].

## TECHNOLOGY

The PlantæDerMX™ Mamaku - Black Fern Extract is obtained by our proprietary **PlantæXtraction™ green biotechnology**. This innovative extraction method is a low speed, cold crushing and pressing system that physically disrupts and breaks open plant cell walls under reduced exposure to air and heat. Plant vitality is retained with vitamins, antioxidants, enzymes and minerals efficiently released.

## BOTANICAL OVERVIEW

Mamaku, which is indigenous to New Zealand, is rich in polysaccharide gel (glucuronomannans) obtained from the meristem, the embryonic stage of the leaf.

When used on the skin, the polysaccharide forms a 3D viscoelastic matrix that offers immediate lifting and tightening properties to the skin.

Mamaku was used topically in traditional Māori herbal medicine or Rongoa for skin wounds and infections.

**BIOACTIVITY:** Antioxidants, polyphenols, metal chelation

**SPECIES NAME:** Cyathea medullaris

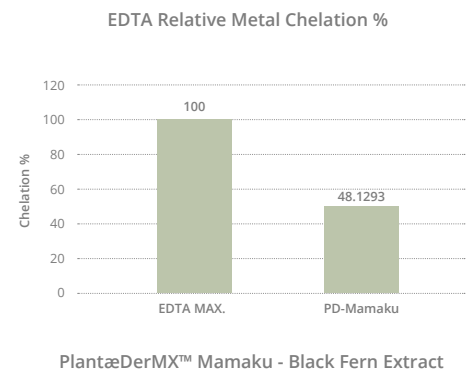
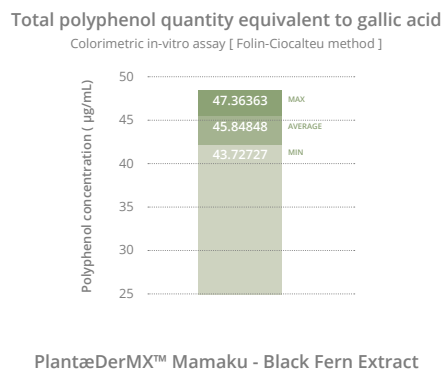
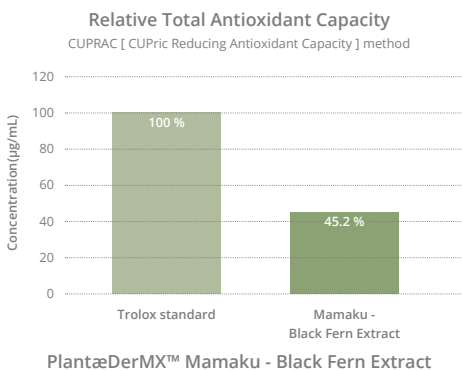
**COMMON NAME:** Black Fern Tree

**MAORI NAME:** Mamaku, Kōrau, Katātā

**INCI:** Glycerin & Cyathea Medullaris Leaf Extract

**SUGGESTED DOSAGE:** 1 - 2%

## ANALYTICAL DATA



## REFERENCES

1. New Zealand Trade & Enterprise, Bioactives Buyers Guide 2013

## 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.

**Organic Bioactives Ltd.**

Tasman Building, Suite B, Level 1

16-22 Anzac Avenue

Auckland 1010

New Zealand

[info@organicbioactives.com](mailto:info@organicbioactives.com)

[www.organicbioactives.com](http://www.organicbioactives.com)