



WILFADERM

Plant-Based, Bioactive Lipid for Skin Barrier Support
Deeply Hydrating, Naturally Calming



BIODEGRADABLE



NATURAL ORIGIN
INDEX 1
ISO 16128



VEGAN

INCI NAME

Ricinoleyl Palmitate

FEATURES



INCREASES NMF
*Natural Moisturising
Factor*



REDUCES TEWL
*Trans Epidermal
Water Loss*



CALMS SKIN
*Anti-Inflammatory
& Comforts the Skin*



SKIN BARRIER
REPAIR
*Reinforces the Skin's
Natural Defenses*

TRIPLE ACTION SKIN BARRIER CARE

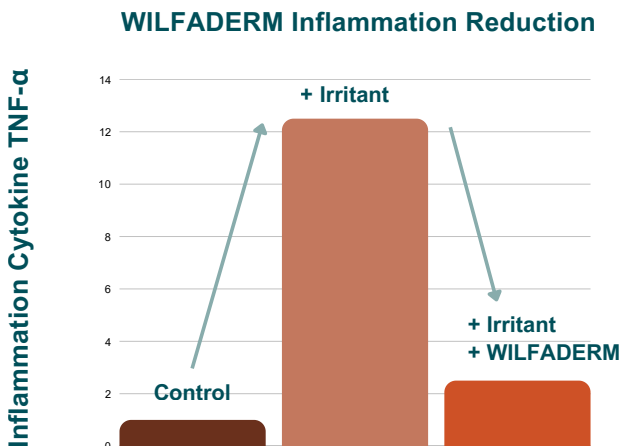
WILFADERM is a plant-derived **bioactive** lipid that offers multifunctional benefits for skin care. It reduces **moisture loss**, promotes **natural moisturising factors**, and supports **anti-inflammatory activity**, going beyond ceramides with triple action skin barrier care.

ENZYME-DRIVEN GREEN CHEMISTRY

Made from renewable feedstocks processed at low temperature with Wilmar's **proprietary enzyme technology**, WILFADERM is an **environmentally friendly** green chemistry innovation. Its natural analogues are found in the human body, underscoring its safety and biocompatibility.

NEXT-GEN INFLAMMATION CARE

WILFADERM **reduces pro-inflammatory** cytokines like $\text{TNF-}\alpha$ by a factor of 5¹, while also limiting **trans-epidermal water loss**. This helps calm irritation, strengthen the skin barrier, and promote long-lasting comfort.



Sustainable Beauty,
From Multi-Plant Origins

¹ Compared to Ceramide 3

BOOSTING THE SKIN'S NATURAL MOISTURE SYSTEM

With **WILFADERM**, biotech meets skin biology for **deeper hydration**.

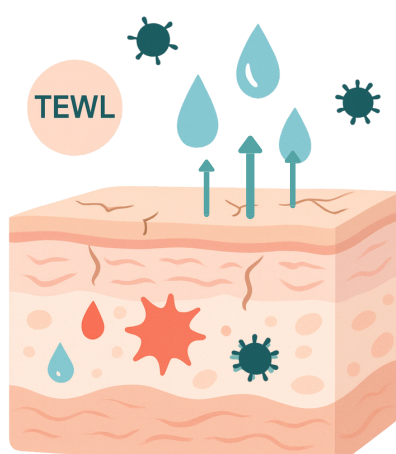
WILFADERM boosts
filaggrin production by

up to 3x

in vitro, in turn,
enhancing the skin's
natural moisturizing factors
to **enhance hydration
and moisture retention**.

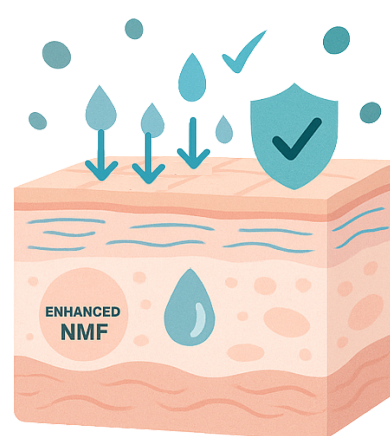
It strengthens the barrier
to reduce dryness,
redness, and flakiness,
leaving skin soothed,
resilient, and comfortably
hydrated.

Damaged Skin Compromised Barrier Integrity



- ↑ **High TEWL**
Skin moisture loss
- ↓ **Low NMF**
Reduced hydration
- ↑ **Increased Inflammation
& Redness**

Treated Skin With WILFADERM



- ↓ **Reduces TEWL**
Moisture loss prevention
- ↑ **Enhances NMF**
Increases skin hydration
- ↓ **Decreases Inflammation
& Redness**

Engineered for Flexibility Across Modern Formulations.

Formulation-Friendly

Stable in O/W and W/O systems
Blends with oils, esters, waxes

STABLE & SAFE

Oil-soluble
Non-microbial



Non-toxic



Non-irritating



Safe for all skin types

