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Natralipid 

## Advanced Omega Complex

A fully traceable 100% plant-based oil blend to moisturize and smooth skin, reducing the appearance of fine lines while supporting overall healthy aging.

Natralipid® Advanced Omega Complex is a plant-based proprietary blend containing nature's unrivaled sources of omega-3+6 fatty acids and the richest combined C20 & C22 very long chain fatty acids for excellent emolliency.

Made exclusively by Natures Crops International from regeneratively-grown, fully traceable Ahiflower® and Meadowfoam seed oils, this unique complex offers skin care formulators a novel active ingredient for topical moisturization and reducing fine line/wrinkle appearance with excellent stability and sensory qualities.

### Topical Skin Benefit Claims Supported By Clinical Science

- Maintains a Youthful Appearance
- Reduces the Appearance of Fine Lines and Wrinkles
- Improves Skin Smoothness

#### INCI Name:

Buglossoides Arvensis (Ahiflower®) Seed Oil  
Limnanthes Alba (Meadowfoam) Seed Oil



www.naturescrops.com

# Skin Health Science Summary

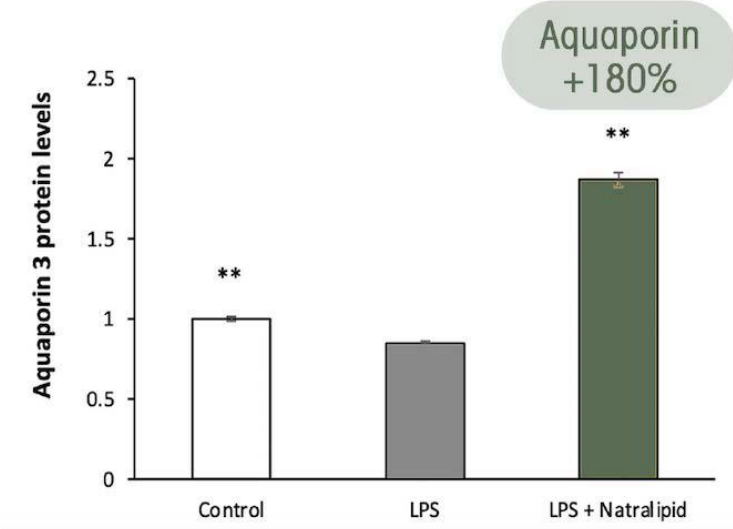
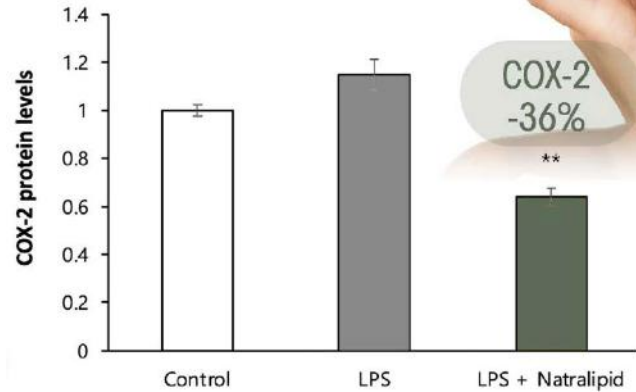
Natures Crops International engaged recognized Korean skin science researchers to study the effects of Natralipid Advanced Omega Complex on human dermal cells and in human subjects.



## Human Dermal Fibroblast Skin Cells — In Vitro Findings

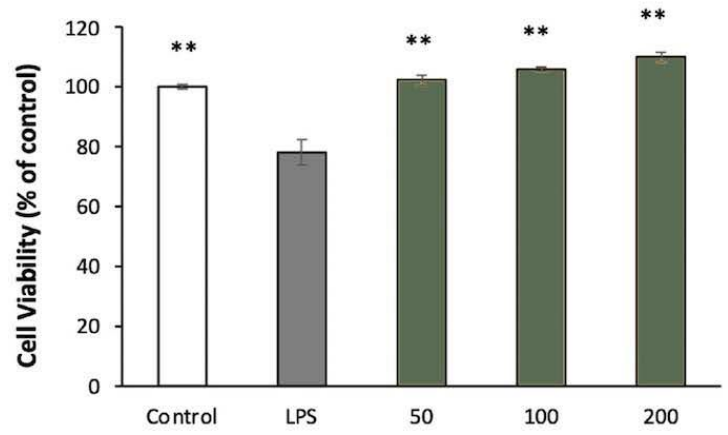
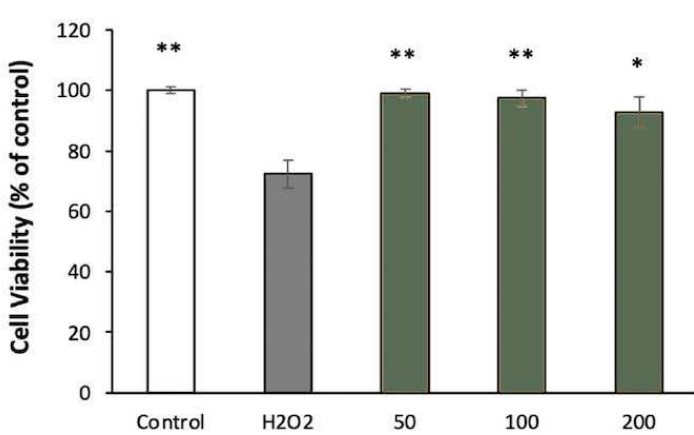
### ANTI-INFLAMMATORY EFFECT

Significant inhibition of cyclooxygenase-2 (COX-2) expression induced by lipopolysaccharide (LPS) by 36% ( $p < 0.01$ ) demonstrating an anti-inflammatory effect.



### CELLULAR MOISTURE

Significantly increased Aquaporin 3 (AQP-3) expression by +180% ( $p < 0.01$ ). The expression level of AQP-3, a water channel widely distributed in skin cells, correlates with increased moisture supply to support skin smoothing and moisturizing effects.

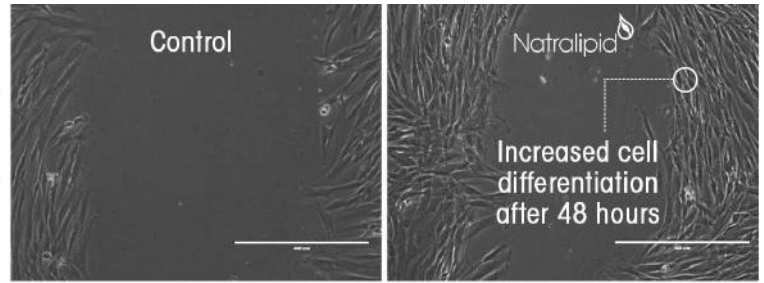


### CYTOPROTECTIVE EFFECT

Cell damage induced by (hydrogen peroxide) H2O2 or LPS toxicity was significantly protected by +35% ( $p < 0.01$  \*\* /  $p < 0.05$  \*).

## CELL DIFFERENTIATION

In a controlled human dermal cell physical disruption assay, it was confirmed that Natralipid Advanced Omega Complex promoted **increased cell differentiation after 48 hours**. (Bar line = 400  $\mu\text{m}$ )



## Human Volunteer Pilot Anti-Aging Trial Results\*

### Test Material: 5% Active Serum Using Natralipid Advanced Omega Complex

Subject Count n = 21 (20 F, 1 M)  
Average Age = 53  
Duration: 4 weeks  
Assessed at Day 0, 14, 28

Evaluation Basis:

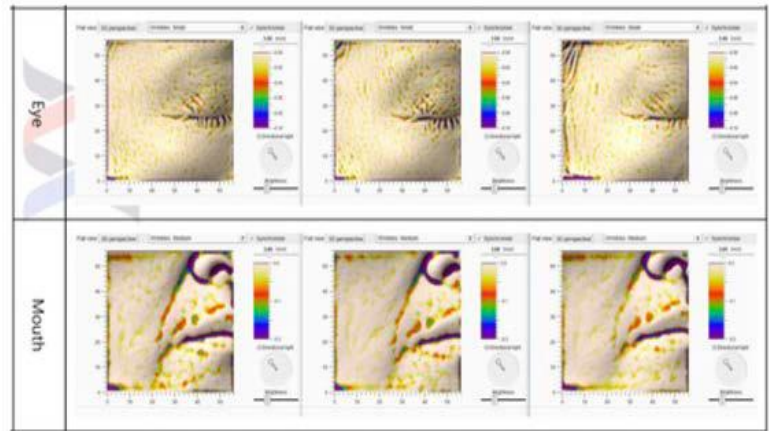
- Skin Irritancy (Patch Test)
- Eye & Mouth Area Anti-Wrinkle (Antera 3D, Primos-CR)
- Eye & Mouth Area Moisturization (Corneometer)

### Results:

A 5% active serum containing Natralipid Advanced Omega Complex **showed significant improvement in:**

- Wrinkle Index
- Skin Roughness
- Water Content

No adverse reactions occurred, original reports available for confidential review after executing confidentiality agreement with NCI.



### Supporting Data:

Table 1. Wrinkle Indentation Index Statistical Analysis Results (Antera 3D)

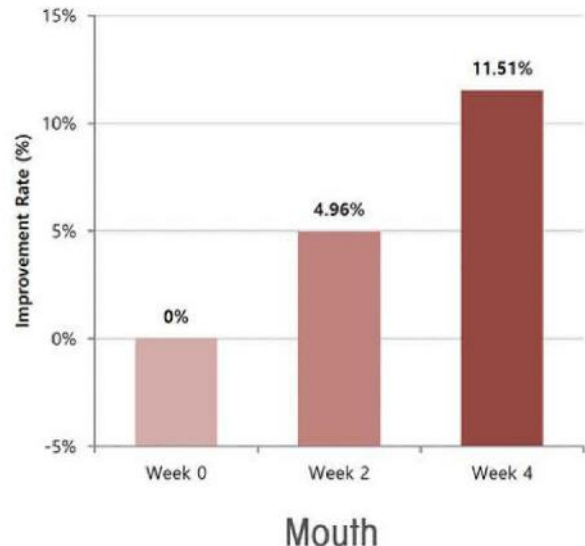
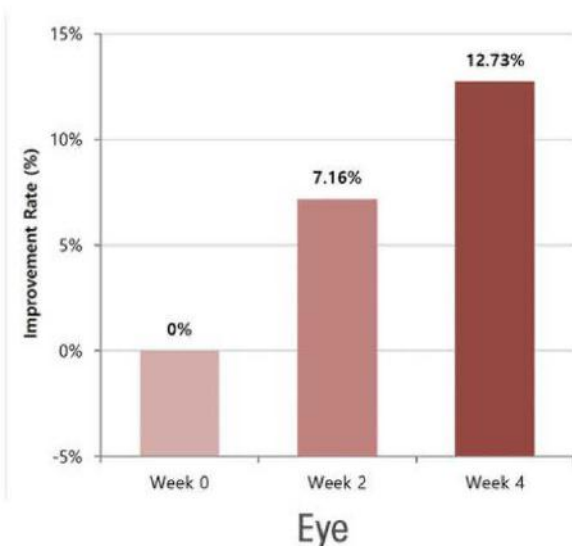


Table 2. Skin Roughness Improvement Statistical Analysis (Primos-CR)

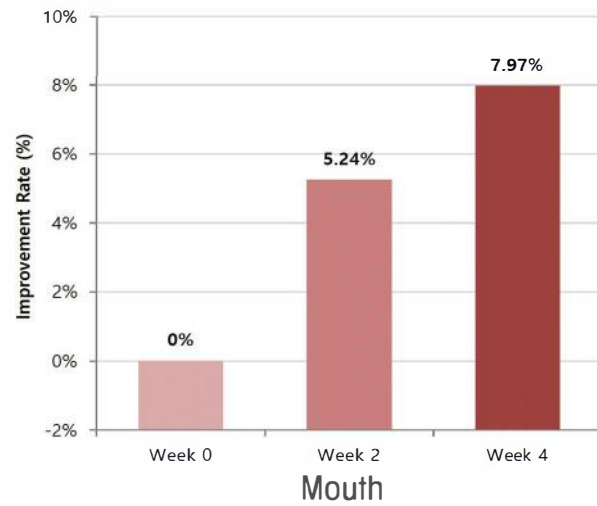
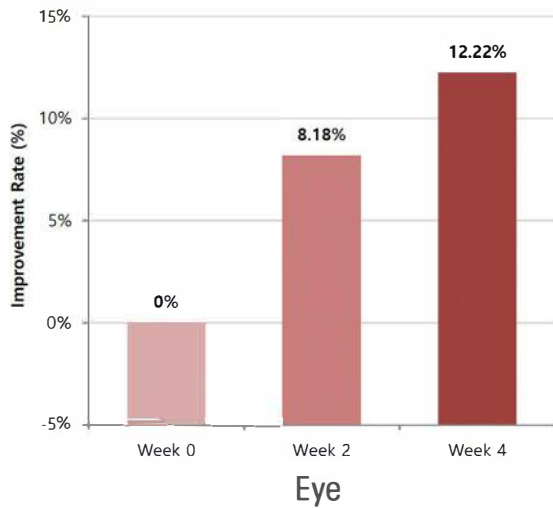
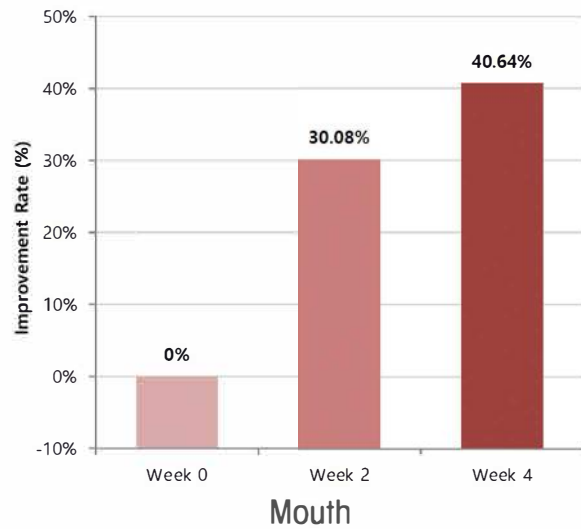
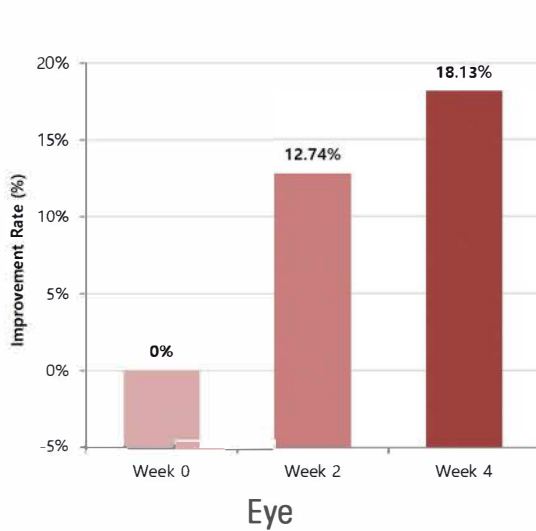


Table 3. Skin Moisturization Improvement Statistical Analysis (Corneometer)



## Want To Combine Beauty From Within & Topical Formulations?

The Natralipid Advanced Omega Complex is rooted in Ahiflower oil's richest combined ALA, SDA & GLA fatty acids. Clean-tasting and regeneratively grown exclusively in the UK, Ahiflower oil is a clinically-researched dietary alternative to marine and algal omega-3 oils supporting a healthy inflammatory response and gut microbiome wellness.

Brands seeking to formulate more complete solutions combining ingestible (daytime) and topical (nighttime) protocols can leverage this unique 100% plant-based platform's versatility.

\*Meadowfoam oil is not suitable or approved for human consumption.

For Specifications, Pricing & Sample Requests Contact:  
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