

# StrataPhix™ AOS-PF

## Oil-Soluble Antioxidant Complex

StrataPhix™  
Technology Series X



### StrataPhix™ AOS-PF

INCI : Caprylic/Capric Triglyceride (and) Camellia Sinensis Leaf Extract (and) Lithospermum Erythrorhizon Root Extract (and) Haematococcus Pluvialis Extract (and) Glycyrrhiza Glabra (Licorice) Root Extract

CAS #: 65381-09-1/73398-61-5, 84650-60-2, 223749-76-6, N/A, 84775-66-6/68916-91-6/97676-23-8, 122-99-6

EC #: 265-724-3, 277-452-2, 283-519-7, N/A, N/A, 283-895-2/ 272-837-1, 204-589-7

**Designed to help  
address signs of skin  
inflammaging**

**Delivers intense  
hydration**

**Protects against free  
radicals**

**Reduces irritation &  
redness**

**Supports in barrier  
recovery**

### Recommended applications



Skin care



Body care



StrataPhix™ AOS-PF is an antioxidant powerhouse composed of oil-based extracts used at optimum levels to ensure potency and compatibility with anhydrous systems to fight and protect from free-radicals.

Did you know that chronic inflammation, also known as inflammaging, can be a key culprit of many skin troubles?

StrataPhix™ AOS-PF utilizes carefully balanced, naturally-derived, active compounds to curtail inflammatory pathways, leading to reductions in inflammation responses.

These unique products help to mitigate skin damage by inhibiting a key protein, Caspase 1, which starts the processes of cellular inflammation.

Chronic skin inflammation leads to continuous cellular aging which eventually leads to symptoms of aging that can be seen visually such as sagging skin, skin “yellowing”, fine lines and wrinkles, thinning skin, slower barrier response, melasma age spots, and skin sensitivity.

StrataPhix™ AOS-PF is sustainably sourced, rigorously tested and recommended for differentiated functional activity in personal care and beauty products.

*\*The term 'Inflammaging' is used to describe the aging phenomenon induced by chronic, persistent inflammation.*

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# StrataPhix™ AOS-PF

## Oil-Soluble Antioxidant Complex

Appearance @ 25°C	Deep, Red, Orange Liquid
Odor	Characteristic
Solubility	Soluble in Oil, Insoluble in Water

## Study: Inhibition of Caspase-1 expression

### IN VITRO & EX-VIVO TESTING: INHIBITION OF CASPASE-1 EXPRESSION

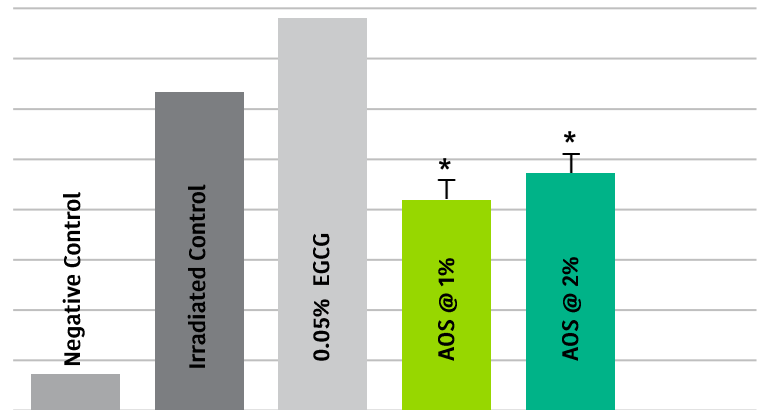
- ✓ Proven to be successful in reducing expression of active Caspase-1 in skin cells activated by UVA/UVB radiation.

Results of Examination for active Caspase-1 release of StrataPhix™ AOS on Reconstructed Human Epidermis (RHE) models

Tissues were physically lightly abraded and then subjected to 2MED of UVB/UVA irradiation to activate inflammasomes and then treated with StrataPhix™ products

Epigallocatechin-3-gallate (EGCG) (0.05%) was used as a positive control

StrataPhix™ AOS Caspase-1 Results  
Absorption Units (AU)



\*Statistically significant (95% confidence) compared to the Irradiated Control

## How StrataPhix™ can support skin

Composed of gromwell, microalgae, green tea, and licorice root extracts blended at concentrations designed to provide optimal activity



- ✓ Helps recovery of skin hydration when moisturization is decreased
- ✓ Helps recovery of skin when
  - ✓ Autophagy is decelerated
  - ✓ Circadian rhythm is interrupted
  - ✓ Barrier recovery is decreased
- ✓ Helps recovery of skin when there is an increase in
  - ✓ UV exposure
  - ✓ Pollution exposure
  - ✓ Redness (erythema)
  - ✓ Irritation

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