AC Soluble Elastin PF
Antimicrobial + Exfoliating + Problem Skin

Tomorrow’s Vision... Today!®
AC Soluble Elastin PF

Technical Information

**Code:** 20595PF

**INCI Nomenclature:** Hydrolyzed Elastin

**INCI Status:** Conforms

**Suggested Use Level:** 1.0 - 10.0%

**Suggested Application:** Antimicrobial, Exfoliating, Problem Skin
Science

• Elastin is critical in combatting the signs of aging

• Large fibrous protein is formed through spiral filaments
  • Can stretch upwards of 1.5 times their length
  • Elasticity to snap back to original conformation

• Elastin is primarily composed of amino acids and is essential for our bodies’ framework, allowing tissues to regain their original shape
  • Amino acids have interlinking chains, responsible for elastin’s flexibility

• Flexible chain allow for formation of a flexible film on the surface of skin and hair
  • Help retain moisture and enhances suppleness
AC Soluble Elastin PF

Benefits

• **AC Soluble Elastin PF** is a natural and critical component for products that intend to smooth, moisturize, and improve overall appearance

• Strong film-forming properties diminish the appearance of fine lines and wrinkles

• Works with problem skin

• Natural antioxidant
AC Soluble Elastin PF

ORAC Assay

Protocol

- Solutions of **AC Soluble Elastin PF** and Trolox® (positive control) were prepared in 75mM potassium phosphate buffer.

- Concentrations: 0.05%, 0.1%, 0.5%

- 25μL of test material & Trolox® were combined with 150μL of fluorescein in 75mM potassium phosphate buffer & incubated in the Synergy HT Microplate reader at 37°C for 30 minutes.

- **AC Soluble Elastin PF** began exhibiting antioxidant activity at a 0.05% concentration.
**AC Soluble Elastin PF**

**Cellular Viability Assay**

**Protocol**

- Human dermal fibroblasts were seeded into 96-well tissue culture plates and allowed to grow to confluency in complete serum-free media.
- Concentrations: 0.1%, 0.01%, 1.0%
- Ten microliters of viability reagent was added to 90μL of cell culture media in culture wells.
- Can be concluded that at normal use concentrations AC Soluble Elastin PF is not cytotoxic.

**Figure 2.** Cellular Metabolism of AC Soluble Elastin PF-treated fibroblasts
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THANK YOU

Please visit and register to use our new website at www.activeconceptsllc.com
When you register, you will have access to the complete product documentation available.