

# GINSENG EXTRACT

Traditional active with a long history in medicinal use

## INCI NAME:

Propanediol, Aqua (Water), Panax Ginseng Root extract

## DOSE OF USE:

Around 3% to 5% in skin care formulation

1% to 3% in Hair lotion

5% to 10% in Anti Hair loss formulation

## SOLUBILITY:

Hydro-soluble

## COSMETIC USE:

Applications:

- Anti Aging and Anti wrinkle creams
- Prevention of Hair loss
- Anti stress serum
- Hair growth stimulation treatments

## DESCRIPTION:

Ginseng is obtained from *Panax Ginseng* roots, native to *China, Indochina, Korea, Vietnam and Japan*, and then mixed with a specific natural solvent in order to obtain a stable "Ginseng Glycolic extract".

This version was developed for Skin care benefits and Hair care cosmetics.

Ginseng has been known for three thousand years, the Chinese have been using it as an herbal remedy. Oriental physicians prescribed ginseng as an essential tonic to restore health.

The medicinal effects of ginseng are due to a group of about two dozen substances in the root called **ginsenosides**, about 2-3%;

There are a large number of studies showing the action of Ginseng on specific body functions and on the skin immune defense system.

It has been demonstrated that Ginseng increases phospholipids synthesis, stimulates protein synthesis, inhibits protein enzymatic degradation in fibroblast and when applied on the skin it contributes to optimize the cutaneous metabolism.

## PROPERTIES:

### ✓ Anti-aging activity:

Ginseng extract increase the production of collagen (*Yeom MH et al (2003)*)

### ✓ Antioxidant activity:

The antioxidant action of ginseng extract was verified by evaluating its lipid peroxidation inhibition capacity (*Alonso, J., 2004*)

### ✓ Immunostimulatory activity:

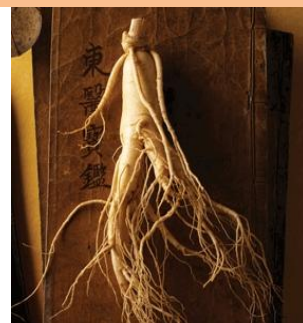
Polysaccharides in the roots of P. Ginseng showed immunostimulatory action by promoting macrophage phagocytosis. Aging slows activation of the immune system, which results in reduced cell regeneration.

Because of its immunostimulatory activity, ginseng extract is a beneficial treatment for aged skin.

### ✓ Hair grow stimulatory activity:

The hair grow stimulatory effect was shown by *Matsuda H et al. (2003)*.

They conclude that Ginseng Radix possesses hair growth promoting activity, attributable to the ginseng saponin components.



Action	Active	Cosmetic Application
Action on collagen fibers	Ginsenosides	Anti-aging Firming products
Antioxidant	Salicylic acid Vanillic acid Ginsenosides	Anti-aging
Immunostimulatory	Polysaccharides	Anti-ageing
Hair growth stimulatory	Ginsenosides	Anti-alopecia

N a t u r a l l y   E f f e c t i v e