

RED ONION EXTRACT

Traditional active with a long history in medicinal use

INCI NAME:

Propylene glycol, Aqua (Water), Allium cepa (Onion) bulb extract.

DOSE OF USE:

1-5 %

SOLUBILITY:

Hydro-soluble. Insoluble in fats and oils

COSMETIC USE:

Onion Extract can be used in cosmetic formulations. It prevents bacterial and fungal conditions. It is recommended for:

- Wounds and stings on the skin. – Soothing/calming agent for Skin care cosmetic
- Acne / SCARS / Freckles reducer
- To remove small warts
- To stimulate hair growth – Reduce dandruff
- Reduce unwanted skin blemishes.
- Improving skin appearance

DESCRIPTION:

Allium Cepa (Onion extract) has a long history in medicinal use (Traditional Chinese Medicine) as cosmeceutical ingredient. ONION extract belongs to the Liliaceae family (Red Allium Cepa bulb). It is a natural viscous transparent pale, yellow, hydro glycolic liquid which can be used in creams, gel bases or lotions. Due to its antiseptic and skin soothing properties it can be applied on the skin to reduce scares and acne. Modern scientific researchers support many of the traditional uses of onions in cosmetic applications (Journal of Cosmetic Dermatology, Volume 7, Number 2, June 2008)

Key active substances

The main active substances contained in Onion extract are phytochemicals known as sulphur compounds (disulphides, trisulphides, cepaene, etc). These compounds have a variety of properties, including antimicrobial activities. It also contains antioxidants.

The anti-microbial activity of onion extract is due to its content in sulphuric compounds, its content in proteins, saponins and phenolic complex. Quercetin is the major flavonol present in onion (Allium cepa cv) and is present predominantly as quercetin 3,4'-diglucoside and quercetin 4'-monoglucoside. These compounds are known to be potent free radical scavengers and antioxidants

Efficacy test (Human tests)

The ability of a onion extract gel to improve the cosmetic appearance of postsurgical scars was published at the Journal Cosmetic Dermatology Jun 2008 7th (2) 101-4 : Dermatologists test conducted on 60 patients shows a significant skin appearance improvement on post chirurgical scars in comparison with reference pharmaceutical substances such as lodocaine combined with epinephrine. There was a significant improvement of scars softness, redness texture and global appearance.



Mechanism of action (enzymatic activity)

Inhibit fibroblast function and proliferation. It reduces scarring, has an antibacterial property and reduces inflammation-specifically, inhibiting the release of histamine, leukotrienes and prostaglandin.



N a t u r a l l y E f f e c t i v e

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