

Quince Extract 2.5% NP

Description

Quince Extract 2.5% NP is an aqueous extract of 2.5 % quince seeds (*Cydonia oblonga*). The seeds of quince contain polysaccharides (like arabinose, xylose and uronic acids, partly esterified) up to 22 % mainly located in the epidermis of the seeds.

The biggest part of these polysaccharides is soluble in water and is extracted by a special method developed by GfN. Since years these polysaccharides have been successfully used in medicine for treatment of burns, pressure ulcers (decubitus), fissures of lips and inflammation of nipples. The main application was in form of ointments and creams. The efficacy of these polysaccharides is not surprising when taking into consideration that other special polysaccharides of plant origin have been proved to stimulate wound healing and repair mechanism of damaged skin. Therefore this extract of quince seeds offers a broad range of applications in skin care products especially those which are aimed to care and repair stressed and damaged skin.

Efficacy

- acts as a moisturizer: 8.0 % Quince Extract 2.5% NP showed an immediate skin hydration up to 28.4 % and long-term hydration of up to 15.6 %
- shows antiphlogistic effect: 8.0 % Quince Extract 2.5% NP showed a reduction of IL-6 production up to 276 %
- offers a protective film
- enhances woundhealing

Please have a look at our [Leaflet_6021_Efficacy_e](#) for more details.

Appearance

slight brownish, viscous solution

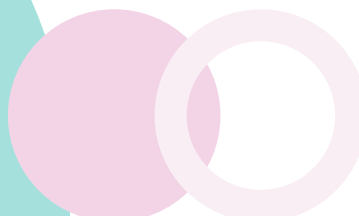
INCI

Pyrus Cydonia Seed Extract

Registration

CAS No.:
Pyrus Cydonia Seed Extract.....90106-03-9
2-Phenylethanol.....60-12-8
EC-No.:
Pyrus Cydonia Seed Extract.....290-223-1
2-Phenylethanol.....200-456-2

Raw material approved by ECOCERT GREENLIFE, conform to the COSMOS Standard.



Nature needs no cosmetics,
but cosmetics need nature

Quince Extract 2.5% NP

Preservatives / Stabilizers

preservatives.....none
stabilizer Phenethyl Alcohol natural.....1.0 %

Characteristics

polysaccharide content.....0.25 - 0.45 %
extract basis quince seeds.....2.5 %

Application

high quality cosmetic products
daily care products
face masks
creams and gels
ampoules
body lotions
after-sun lotions
sensitive care
baby care

Application concentration

skin care formulation.....4.0 - 20.0 %

Incorporation

Quince Extract 2.5% NP is compatible with alcohol up to 10 % and stable at a pH range of 3 - 12. It should be blended into water phase below 90°C.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Quince Extract 2.5% NP should be stored in a dry and light protected place at 10 - 25°C.

In closed original containers the shelf life is five years.