PEPHA®-TIGHT – to choose the fast lane to superior skin tightening.

PEPHA®-TIGHT tightens the skin immediately and has in parallel a long term effect increasing the formation of collagen-I.

PEPHA®-TIGHT is a highly purified biotechnologically produced extract from the microalga Nannochloropsis oculata combined with a well balanced fraction of polysaccharides.

Exclusive North American Distributor

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pentapharm
benefiting society through science
PEPHA®-TIGHT

PEPHA®-TIGHT is a highly purified biotechnologically produced extract from the microalga Nannochloropsis oculata combined with a well balanced fraction of polysaccharides. A special fermentation technology and optimal growth conditions ensure the high quality and pureness of the algae extract.

Properties:
PEPHA®-TIGHT tightens the skin immediately and has in parallel a long term effect strengthening the skin's connective tissue. Loose skin often is a result of oxidative stress and damaged collagen fibres. As shown in in vitro assays PEPHA®-TIGHT protects skin cells from oxidative stress and increases simultaneously the formation of collagen-I.

Function:
• PEPHA®-TIGHT has a noticeable instant tightening effect and smooths fine wrinkles
• PEPHA®-TIGHT acts preventively as a protection shield against oxidative stress
• PEPHA®-TIGHT strengthens the connective tissue by increasing the formation of collagen-I

Cosmetic application:
• all kinds of tightening gels, lotions, serums
• masks
• lifting products
• décolleté treatments

Formulation:
PEPHA®-TIGHT is a yellowish to amber, viscous liquid. It should be incorporated at the end of the formulation process (<50°C).

Suggested concentration:
1–5% PEPHA®-TIGHT

INCI name:
Algae Extract, Pullulan

Efficacy tests:

In vitro tests:
1. PEPHA®-TIGHT protects human fibroblasts from oxidative stress provoked by hydrogen peroxide.

2. PEPHA®-TIGHT stimulates the formation of collagen-I in human fibroblasts.

In vivo tests:
1. The immediate efficacy of PEPHA®-TIGHT was evaluated in vivo with 20 volunteers applying a test gel containing 5% PEPHA®-TIGHT.

2. The efficacy of PEPHA®-TIGHT was performed in an in vivo study with 30 volunteers applying a test gel containing 3% PEPHA®-TIGHT during 2 weeks. The figure shows the statements of the panellists reporting a very good/good tightening effect: