

ALGAKTIV®

Densidyl

Rooted in strength



MECHANISM

Introducing **ALGAKTIV® Densidyl**, an innovative 360° shield for complete hair care solutions, designed to combat both environmental (exposome) and emotional stressors (emossome). Phycocyanin shields against environmental damage, fortifying **antioxidant defenses** and **promoting healthy hair growth** by activating the nuclear factor erythroid 2-related factor 2 (NRF2) pathway.

Xanthophyll forms an emotional shield, **safeguarding against stress-related hair issues** and restoring circadian rhythms for optimal cellular regeneration and hair growth. With **ALGAKTIV® Densidyl**, witness **hair growth four times as fast as Epidermal growth factor (EGF)**.

ALGAKTIV® Densidyl inhibits cortisol activity by competitively binding to its Glucocorticoid Receptor (GR) and boosting melatonin activity by modulating Melatonin Receptor 1A subtype (MTNR1A). Doing so **stimulates new hair growth** and **prevents hair graying** as illustrated in our clinical studies, **effective on both men and women**.

By **providing stress and antioxidant protection**, **ALGAKTIV® Densidyl** brings relief to individuals struggling with premature **hair loss** and **hair graying**.

IDENTIFICATION

INCI name: Water (and) Propanediol (and) Chlorella Emersonii Extract (and) Lecithin (and) Spirulina Maxima Extract (and) Ascorbic Acid (and) Tocopherol

FORMULATION GUIDE

Tested level: 2%

pH range: 4.0 – 12.0

- Add below 40°C, at the end of the process
- Avoid intense agitation or mixing

SPECIFICATIONS

Appearance: Khaki green to copper brown liquid
Solubility: Water soluble



HIGHLIGHTS

- >> Regulates antioxidant defense and reduces oxidative stress through activating NRF2 pathway
- >> Inhibits cortisol activity by binding to GR
- >> Boosts melatonin activity by modulating MTNR1A
- >> Tested on men and women's hair

TESTS

- >> In-vitro
- >> Ex-vivo
- >> Clinical studies
- >> Clinical evaluation by Dermatologist
- >> Self assessment questionnaire

KEY PROPERTIES

- >> Prevents hair-loss caused by environment and stress
- >> Revitalizes and strengthens the hair
- >> Increases hair growth
- >> Stimulates hair cell repair and increases hair density
- >> Decreases hair graying

APPLICATION

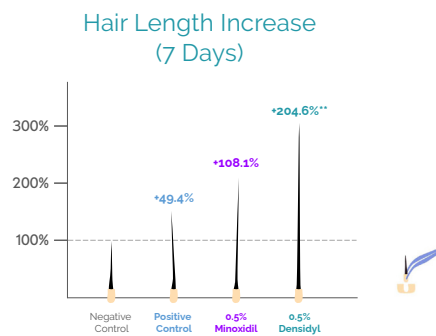
- >> Hair growth products
- >> Anti-hair loss products

RAPID HAIR REGENERATION

ALGAKTIV® Densidyl boosts hair regeneration, revitalizing and nourishing hair follicles for vibrant, healthy growth.

Ex vivo study: Effects of EGF, 0.5% Minoxidil and 0.5% Algaktiv® Densidyl on hair growth stimulation, after 7 days of treatment in cultured human hair follicles. Hair length increase (% vs T0) measured in mm (Philpott et al., 1990).

**p<0.01 vs Negative Control



HAIR LOSS REDUCTION

5 MONTHS

+24.29%*

Anagen Recovery

Maximizes follicular density in volunteers suffering from stress-related hair loss, enhancing hair thickness and volume



DAY 0 ————— 140

Volunteer 10 (TrichoScan®)

Anagen Recovery (% vs T0) measured in number of hairs per cm² in Anagen Phase (TrichoScan®) * Significant vs T0, ** Significant vs Placebo

+11.43%**

Hair Density



DAY 0 ————— 112

Volunteer 42 (Digital Pictures)

+10,200

New Hairs

Hair Density (% vs T0) measured in number of total hair per cm² (TrichoScan®) * Significant vs T0, ** Significant vs Placebo

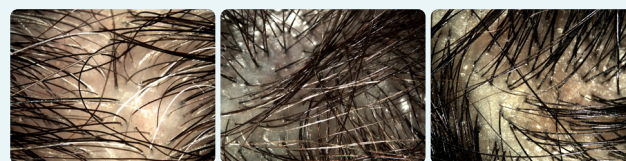
PIGMENTATION RECOVERY

5 MONTHS

-24.3%**

Hair Graying

Shields and repairs follicular melanocytes, restoring the normal hair pigmentation and reducing hair graying



DAY 0 ————— 28 ————— 84

Volunteer 42. Pictures of the scalp taken using Dermogenius (cross and parallel filter).

Hair Graying (% vs T0) measured by Colorimeter evaluation on the L* Parameter.

*Significant vs T0, **Significant vs Placebo

+26.7%**

Scalp Moisturization

Scalp Moisturization (% vs T0) measured with DermaLab-Pin probe® (conductance measurement).

*Significant vs T0, **Significant vs Placebo