

# abrilnature

ADVANCED HAIR TECHNOLOGY



## Fepean2000

TECHNICAL GUIDE FEPEAN 2000



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Fepean2000

- ▶ ANTI-HAIR LOSS
- ▶ ANTI-DANDRUFF
- ▶ GREASY HAIR

- ▶ Last generation biotechnological assets
  - ▶ Vegetables natural extracts
  - ▶ Fungicides and antibacterial treatment
  - ▶ Maximum efficacy and excellent cosmetic properties
- 
- ▶ With the best vitamin complexes on the market
  - ▶ With inhibitors of 5 $\alpha$ -reductase
  - ▶ With growth factor
  - ▶ With stem cell extract
  - ▶ With hyaluronic acid

# ANTI-HAIR LOSS

ANDROGENETIC DEFICIENCY FACTORS

## TWO SPECIFIC TREATMENTS FOR ALOPECIA OR HAIR LOSS.

### Cycle of the capillary development:

**Anagen phase or growth phase:** there is a large proliferation of hair follicle matrix cells, which supports the capillary growth. Hair grows about 1cm. a month. The beginning and the end of this phase is controlled, among others, by **growth factors**. Duration: 2 - 6 years.

**Catagen phase or transition phase:** the follicles enter into an involution process characterized by massive death of hair follicle cells. The dermal papilla condenses, ascends, and is located near the reservoir of **stem cells (keratinocyte stem cells)**. Duration: 2 - 3 weeks.

**Telogen phase or resting phase:** the hair sheath matures to become a completely keratinized dead hair, which is finally expelled from the follicle. Duration: 2 - 3 months.

**After the telogen phase,** the follicles of the scalp enter a new anagen phase. The **stem cells (keratinocyte stem cells)** are activated to initiate a new phase of capillary growth. These cells proliferate rapidly by initiating the formation of the new hair follicle.

Disorders in the growth and/or development of hair (alopecias and premature hair loss) are caused by alterations in some of the phases of this cyclic process.

**Alopecia** is understood as the cessation or deficiency of hair regeneration.

The two most abundant types of alopecias:

► **Deficiency:** nutritive deficiencies, vitamins and deficiency of blood supply in the hair follicle. It usually appears in a timely manner, due to stress factors, nutritional deficiencies or seasonal changes.

► **Androgenetic:** the enzyme 5 $\alpha$ -reductase transforms the testosterone hormone into dihydrotestosterone (DHT). DHT atrophies the hair follicle, which leads to weakening and loss hair.



## VITAMIN LOTION ANTI-HAIR LOSS

ALOPECIA TREATMENT DUE TO DEFICIENCY FACTORS



## +PLUS LOTION ANTI-HAIR LOSS

ALOPECIA TREATMENT DUE TO DEFICIENCY AND ANDROGENETIC FACTORS

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**Alopecia treatment due to  
deficiency factors**



## VITAMIN LOTION ANTI-HAIR LOSS



► **Improves the general condition of the scalp:** removes grease excess and dead cells / gives hydration and elasticity / inhibits the excessive overgrowth of microorganisms

► **Improves the hair follicle metabolism:** improves blood supply to the hair follicle, enhancing oxygenation and vitamins and nutrients supply, boosting the metabolism of the follicle and delaying its aging / increases the duration of the anagen phase, stimulating hair growth.

► **Strengthens the hair fiber:** it increases its thickness and its resistance to breakage.

### **Bain Shampoo anti-hair loss**

Shampoo prevention fall. 250ml / 1.000ml.

### **Vitamin Lotion anti-hair loss**

Fortifying lotion. 100ml.

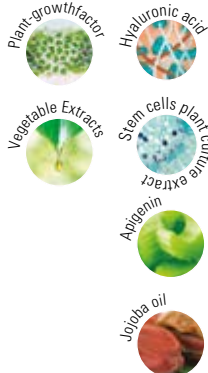
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Intensive anti-hair loss treatment for cases where deficiency and androgenetic factors are combined.



## +PLUS LOTION ANTI-HAIR LOSS



- ▶ **Acts on the deficiency factors:** performing all the described actions of the Vitamin Anti-hair Loss Treatment.
- ▶ **Inhibits the enzyme 5 $\alpha$ -reductase:** by slowing the process of hair follicle atrophy.
- ▶ **Strengthens the hair from the root:** increases its diameter, decreases the fall and accelerates its growth.

### Bain Shampoo anti-hair loss

Shampoo prevention fall. 250ml / 1.000ml.

### +Plus Lotion anti-hair loss

Intensive anti-fall lotion. 100ml / 50 X 5ml.

## ACTIVE COMMON INGREDIENTS TO BOTH TREATMENTS:

**Vegetable extracts, naturally obtained.**

- ▶ **Extract of aquilea:** it provides strength to the hair fiber from the inside.
- ▶ **Extract of rosemary, thyme and capuchin:** antioxidants, purifiers, anti-bacterial and anti-fungal.
- ▶ **Ivy extract:** microcirculatory stimulant.
- ▶ **Arnica extract:** stimulating and revitalizing epithelial cells.

**Phytochem vitamin active: Vitamin B5 + Vitamin B6.**

- ▶ **Vitamin B5:** improves hair fiber growth.
- ▶ **Vitamin B6:** improves the oxygenation of the hair follicle and improves its metabolism.

**Phytochem keratin forze:** keratin amino acid complex. Regenerates and strengthens the hair fiber.

**Phytochem heat:** active rubefacient action, slightly increases the local temperature of the skin and activates the peripheral microcirculation. It promotes blood irrigation in the hair follicle, boosting its metabolism and hair growth.

**Hyaluronic acid:** Provides elasticity to the cutaneous tissue of the scalp, favoring the health of the hair follicle. Provides elasticity to the hair fiber and increases its resistance to breakage.

**Plant stem cell culture extract:** provides anti-aging effect, longevity, regeneration and vitalization of skin cells. It has been shown that this extract penetrates the interior of the hair follicle and acts by increasing the duration of its anagen phase (growth phase), and, therefore, stimulates hair growth.





## EXCLUSIVE ACTIVE INGREDIENTS OF +PLUS ANTI-HAIR LOSS TREATMENT:

**Oleanolic acid: 5 $\alpha$ -reductase inhibitor.**

**Biotinyl-GHK + Apigenin:** stimulants of microcirculation and cell growth within the follicle.

**Biotech-keraxil:** strengthens the hair from the root, increases its diameter, slows its loss and stimulates growth.

**Plant-growth Factor:** growth factors are proteins that act by communicating the cells to each other. They are the determinants on the processes of regeneration and cellular renewal.

In the capillary development cycle, growth factors control the beginning and end of the anagen phase, and hence the hair growth cycle. Plant-growth factor is a growth factor synthesized in plants through biotechnology. It exerts a double function during the development of the follicle:

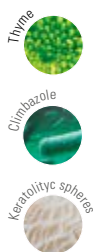
- After the telogen phase, activates the stem cells, initiating the new phase of anagen growth.
- During the anagen phase, potentiates the proliferation of hair follicle cells, promoting hair growth.

**Plant-growth factor** is a bio-synthetic protein, manufactured within the cells of a plant, and specially designed for the prevention and treatment of hair loss.



# ANTI-DANDRUFF

FOR ALL TYPES OF FLAKING OR DANDRUFF



## Active ingredients

**Vegetable extracts, naturally obtained.**

- **Extracts of thyme and harpagofito:** purifying, anti-bacterial and anti-fungal natural.
- **Aloe vera extract:** hydrates the scalp.

**Phytochem bio-controller:** complex of plant actives, combined with natural bioazufre, which acts as a cutaneous sebum-regulator, restoring the correct lipid levels of the scalp.

**Keratolytic Spheres:** encapsulated keratolytic active that is released slowly and controlled on the scalp. This continuous release allows for a gentle exfoliating effect, and prolonged over time.

**Climbazole:** bacterial and fungicidal actions that inhibit the proliferation of the fungus.

## ANTI-DANDRUFF TREATMENT

### Anti-dandruff Treatment

Dandruff is an excessive and accelerated scaly process, in the form of scales, due to the intervention of a microorganism, the fungus *Malassezia furfur* (*Pityrosporum ovale*). It belongs to the flora of human skin and proliferates in skins with a high sebaceous content as it feeds on human sebum. Dandruff may be accompanied by irritation of the scalp.

**Anti-dandruff Treatment** has been formulated to treat scalp with dandruff. Both dry dandruff (scaling in the form of fine powder that easily comes off) as greasy dandruff (scaling in the form of plaques that are kept on the scalp).

- ▶ Regulates sebaceous production.
- ▶ Inhibits excessive fungus proliferation.
- ▶ Prevents contamination by other germs not characteristic of the capillary flora.
- ▶ Exerts a gentle and prolonged exfoliating action over time, avoiding the formation of scales.
- ▶ Moisturizes the scalp, improving his health.

#### **Bain Shampoo Anti-dandruff:**

Anti-dandruff shampoo. 250ml / 1.000ml.

#### **Anti-dandruff Lotion:**

Anti-dandruff hair lotion. 100ml

# GREASY HAIR

SEBUM REGULATING ACTION WITH A SANITIZING AND ANTI-SEPTIC EFFECT



## Active ingredients

**Vegetable extracts, naturally obtained.**



► **Extracts of rosemary, thyme and sage:** purifying, anti-bacterial and natural anti-fungal.



► **Spicy nettle extract:** natural sebum-regulator.

**Phytochem bio-controller:** complex of plant actives, combined with natural bioazufre, which acts as a cutaneous sebum-regulator, restoring the correct lipid levels of the scalp.

**Phytochem 5 $\alpha$  controller:** active derived from plant ingredients, enzyme inhibitor 5 $\alpha$ -reductase.

## GREASY HAIR TREATMENT

### Anti-seborrhea hair treatment.

Seborrhea is produced by a hypersecretion of sebum from the sebaceous glands. The main causes are genetic factors, emotional factors, excessive washing of the scalp with excessively detergent shampoos, and hormonal causes. The enzyme 5-reductase transforms the testosterone hormone into dihydrotestosterone (DHT). DHT is from excess sebaceous gland activity.

The problems of grease excess present two different aspects. Oil type grease that easily slides through the capillary fibers, presenting an oily and lacy appearance. Solid type grease that remains attached to the scalp and can block the hair follicle and cause hair loss.

**Gresy Hair Treatment** has been formulated to treat sebaceous hypersecretion.

- ▶ Inhibits the enzyme 5 $\alpha$ -reductase avoiding its action on the sebaceous glands.
- ▶ Regulates sebaceous production.
- ▶ Purifies the scalp, improving his health.

#### **Bain Shampoo Greasy Hair:**

Shampoo for oily hair. 250ml / 1.000ml.

#### **Lotion Greasy Hair:**

Anti-seborrhea hair lotion. 100ml.



## OIL EXFOLIANT

EXFOLIATING OIL FOR THE SCALP

### Active ingredients:

**Vegetable extracts, naturally obtained.**

- ▶ **Extract of rosemary, thyme and capuchin:** antioxidants, purifiers, anti-bacterial and anti-fungal natural.
- ▶ **Ivy extract:** microcirculatory stimulant.
- ▶ **Arnica extract:** stimulating and revitalizing.
- ▶ **Menthol:** refreshing effect.

**Jojoba exfoliants:** natural exfoliating particles, bio-degradable, derived from jojoba. They provide a gentle exfoliating action by removing dead cells, grease particles and other impurities from the scalp.

## **OIL EXFOLIANT**

### **Exfoliating oil for the scalp. 200ml / 500ml**

The problems of dandruff, seborrhea and alopecia, have a common factor among them. In all three cases, there is a plugging of the hair follicles due to dead epithelial cells and / or solid grease. In desquamative processes and in seborrhea, follicle filling is a consequence of the problem. In the case of alopecia, follicle filling is a major cause, since a hair can not grow in a sealed follicle.

**Oil Exfoliant** is a gentle exfoliating oil for the scalp that addresses this widespread problem.

- ▶ Exerts a gentle mechanical exfoliating action.
- ▶ Purifies and refreshes the scalp leaving a pleasant sensation of freshness.

## **TREATMENT APPLICATION DIRECTIONS**

Use the complete treatment, shampoo + tonic, on a regular basis, to treat each specific problem.

In case the problem of alopecia is associated with a problem of dandruff or grease, these problems will be treated first. Subsequently, treatment with one of the two anti-fall treatments will begin.

It is recommended to use the **Oil Exfoliant** once or twice a week.

**How to use the shampoos:** wash the hair and the scalp with a gentle massage. Leave on for a few minutes and rinse.

**How to use the tonics:** apply on damp or dry hair. Do not rinse.

**How to use exfoliating oil:** shake before use. Apply on the scalp and massage gently. Leave on for a few minutes and rinse.

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