Divination Simone
de Luxe

DSD
de Luxe

The Tribute To Trichology!

www.dsdtrichology.com
Why do we trust the Divination Simone DeLuxe hair products?

All products within the new Simone line belong to the category of Cosmeceuticals, as they have the strength of medicinal preparations while bringing a sensation of pleasure and comfort typical for high end cosmetics brands.

New Simone products manifest marked therapeutic effects, intensively promote hair growth, inhibit the signs of inflammation in case of seborrhea and dandruff, perfectly restore the structure of damaged hair shafts. The efficacy and safety of these products has been confirmed not only clinically, but also by the long-term successful experience of trichologists, their patients, clients and other customers – the various users of the Simone products over decades in many countries.

It is quite difficult to find another trichological range of products that comprises such a well-thought complex of active ingredients.

The products for hair growth stimulation are based on ingredients with a serious scientific basis and clinically confirmed efficacy. Thus, it is well known that the active substances like nucleoside adenosine, inositol, caffeine, the derivatives of purine and pyrimidine (within hydrolysates of nucleic acids) exert hair growth stimulating activities. The derivatives of purine and pyrimidine bases allow to obtain stimulating effects comparable to minoxidil’s, which is the most powerful of the officially approved hair growth stimulators by today. Unlike the minoxidil-based preparations, all new Simone hair growth stimulators do not have the negative effects of the withdrawal and may be used as split-course regimens.


Biotechnologists and Trichologists participating in the development of the new Simone products are at the most leading edge of Trichology, therefore this constantly renovating line of products contains the newest ingredients with proven efficacy. Thus, lotions 3.4.3 Fresh cells DeLuxe and 3.4.4. Capixyl™ +Placenta shock DeLuxe contain the last generation ingredients used in Trichology, such as Capixyl™ and CEGABA, which combine quite extraordinary properties, resulting in clinically established hair growth stimulating effect while the absence of any side effects.

The derivatives of nicotinic acid (nicotinamide, methyllnicotinate) significantly improve blood circulation in hair follicles. The Saw Palmetto extract exhibits the proved anti-androgenic effect, blocking the activity of 5-alpha reductase type 2, as well as receptors to androgens at the level of hair follicles. As biogenic stimulators, the new Simone products contain placental extract, royal jelly, yeast extract, burdock root extract, nettle leaf extract, rosemary, arnica, sulfur-containing amino acids, complexes of natural water-soluble and fat-soluble vitamins, fermented by saccharomyces, essential microelements such as zinc, copper, iron and silicium. These preparations include the extracts of more than 25 types of specially selected plants, grown in ecologically clean locations worldwide.

Within ingredients exhibiting antifungal, anti-inflammatory, antibacterial and exfoliating properties which are important for treatment of seborrheic dermatitis and dandruff, the new Simone products include such components as climbazole, piroctone olamine, salicylic acid, a complex of fruit acids and resorcinol, which are all well known in Dermatology. Combined effects of these ingredients contained in shampoos, peelings, lotions and sprays help rapidly and reliably eliminate the symptoms of dandruff, itch and inflammation, as well as regulate the lipid balance. After elimination of these symptoms, the products can be used for prevention purposes for a long time.

For hair shafts structure damage prevention and damaged hair restoration, the new Simone products include numerous well-known ingredients, such as keratin, collagen, phospholipids, ceramides (spingolipids), hydrolyzed silk, panthenol, red algae extract with proven water-retention properties, diatomic algae, which is one of the richest sources of biologically available silicium, Sasanqua Camellia, orchid flower extract, Olea Europaea extract, lecithine, etc. Certain ingredient like Menthol usage, works not only as a remedy, but also creates a pleasant feeling of freshness.

We are sure that once you have tested the Divination Simone DeLuxe products, you will be impressed with their utmost efficacy and quality and will get a genuine aesthetic enjoyment also.
### ACTIVE INGREDIENTS OF THE DIVINATION SIMONE DELUXE PRODUCTS

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### Hair growth stimulation components
- Royal Jelly
- Arctium Majus Root Extract
- Arnica Montana Flower Extract
- Cedrus Atlantica Extract
- Crataegus Monogyna Extract
- Green Tea Extract
- Lavandula Angustifolia Extract, Mimosa Tenuiflora Extract
- Lamium Album Extract
- Nasturtium Officinale Extract
- Euterpe Oleracea Pulp Powder
- Malus Domestica Fruit Cell Culture
- Rosmarinus Officinalis Leaf Extract
- Soybean Seed Extract
- Thymus Vulgaris Extract
- Trifolium Pratense (Clover) Flower Extract
- Tropaeolum Majus Flower Extract

### Antiseborrheic components
- Hedera Helix Extract
- Honey Extract
- Pinus Sylvestris Bud Extract
- Pomegranate Extract
- Rosmarinus Officinalis Extract
- Salvia Officinalis Leaf Extract
- Urtica Dioica Leaf Extract
- Vitis Vinifera Leaf Extract

### Hair structure components
- Algae Extract
- Camellia Oleifera Extract
- Cyclopentasiloxane
- Dimethiconol
- Europaea Leaf Extract
- Orchis Mascula Extract
- Panthenol
- Rhodophyceae Extract
- Phaeodactylum Tricornutum Extract
- Simmondsia Chinensis Faex (Yeast Extract)
Glossary of Active Ingredients of the Divination Simone Deluxe Products

Adenosine. Powerful hair growth factor. Adenosine is an endogenous nucleoside present in all body cells. It is present in the structure of adenosine triphosphoric acid (ATP) which participates in all metabolic processes and is an energy source for cells. Adenosine stimulates hair growth by exerting influence on hair growth factors, such as fibroblast growth factor 7 (FGF-7) and vascular endothelial growth factor (VEGF). Also, Adenosine is a powerful vasodilating substance. Its vasodilation mechanism is linked with increased K+ conductivity and suppression of Ca2+ entry by cAMP (cyclic adenosine monophosphate) in cells. Adenosine’s efficacy was first reported at the 11th Annual Meeting of the International Society of Hair Restoration Surgery (ISHRS). Oura H, Iino M, Nakazawa Y, Tajima M, Ideta R, Nakaya Y, Arase S, Kishimoto J. Dermatol. 2008 Dec;35(12):763-7. Adenosine increases Anagen hair growth and thick hairs in Japanese women with Female Pattern Hair Loss: a pilot, double-blind, randomized, placebo-controlled trial.

Arnica Montana Flower Extract. The most active therapeutic action belongs to its ingredient Faradiol. When used externally it stimulates hair growth, as well as possesses topical irritating properties and brings anti-inflammatory effect. It is effective for treatment of hematomas, pyodermatitis, trophic ulcers and thermal skin injuries.

Crataegus Monogyna Extract. The fruit contains sufficient amount of sugars (mainly fructose), malic and citric acids, pectin and tannic substances. It is rich in vitamins C, P and carotene. Flowers contain essential oil, calcium, magnesium, zinc and other chemical elements, as well as their salts. In medicine, Crataegus Monogyna has been used since XVI due to its sedative, spasmylytic and anastaltic properties. In cosmetic products for skin and hair care, Crataegus Monogyna is used due to its capacity to moisturize skin and regulate fluid balance, produce a tonic effect, improve metabolic processes, reduce itching and inflammation.

Vitis Vinifera Leaf Extract. It contains tannic and pec- tic substances, organic acids, essential oil, and carotene. Grapes contain three vitamins directly connected with blood and hematopoietic system - folic acid, vitamin K and Vitamin P, which strengthen blood vessel walls. Grape leaves are rich in vitamin C. Leaves possess antiseptic, anti-inflammatory, and bactericidal effects and contribute to purulent wounds and ulcers healing.

Vitamins B1, B2, B3, B5, B6, C, A, E, Inositol, Saccharomyces / Copper, Zinc, Iron and Silicon Ferments. B-group vitamins such as thiamine (B1), riboflavin (B2), niacin (B3), pantothenic acid (B5), pyridoxine (B6), biotin (B7), and inositol (B8) are required for healthy hair growth, therefore deficiency of these vitamins may result in hair loss. Vitamin B1 is not synthesized by the human body and comes from food. The lack of this vitamin leads to nerve conduction impairment and adenosine triphosphate deficiency. Vitamin B2 is required for red blood cell formation, antibody production, hair growth regulation, nail and skin keratinization. It regulates the activity of the thyroid gland. The external manifestations of riboflavin deficiency in humans are lesions of the mucous lining of the mouth, cheilitis, cracks at the corners of the mouth (angular stomatitis), seborrheic dermatitis, particularly at the nasolabial folds, nasal wings, ears and eyelids. Eye disorders such as cataract, conjunctivitis and keratitis are also a common outcome. Other common signs of Vitamin B2 deficiency are anemia, muscle weakness and burning pain in feet. Vitamin B2 is required for healthy hair growth. Vitamin B3 (vitamin PP, niacin) is converted to nicotinamide in the body, which participates in the metabolism of fats, proteins, amino acids, and purines, as well as tissue respiration and processes of biosynthesis. It dilates microvessels (including brain vessels), enhances microcirculation, exerts a mild anticoagulant effect (increases blood fibrinolytic activity) and improves memory and motion coordination. It also participates in the melanin production in hair. Deficiency of vitamin B3 leads both to impaired hair growth and premature grey hair. Vitamin B5 (pantothenic acid, panthenol, dexamphenol) is responsible for tissue regeneration, especially skin and mucosae. Panthenol is the only vitamin which is well absorbed when applied to skin. Dexamphenol is converted by body into pantothenic acid, which regulates carbohydrate and fat metabolism and participates in the synthesis of acetylcholine, corticosteroids and porphyrins. It accelerates mitoses, strengthens collagen fibers and exerts regenerating, metabolic and anti-inflammatory effects. Vitamin B6 (pyridoxine) helps efficiently use glucose in cells and improves metabolism in brain tissues. It is the main catalyst in the amino acid metabolism and synthesis of most neurotransmitters in the central nervous system. Therefore, vitamin B6 enhances brain performance and contributes to improvement of memory and state of mind. It is known as the “vitamin-antidepressant” as it participates in the synthesis of the “happiness hormone” serotonin. It is also responsible for appetite and sleep regulation. Deficiency of vitamin B6 results in impaired glutamine metabolism, which induces central nervous system disorders (seizures, etc.). It participates in production of red blood cells and in glucose uptake by nerve cells. Deficiency of vitamin B6 induces increased fatigability, depression, hair loss, cracks at the corners of the mouth, impaired blood circulation, numbness in extremities, arthri- tis, muscle weakness. Vitamin B6 is required for dandruff prevention. Biotin (vitamin B7) is a component of enzymes regulating protein and fat metabolism and has high activity.
Biotin deficiency provokes hair loss, dandruff, and seborrhea. Skin lesions, pale smooth tongue, sleepiness, depression, muscle tenderness and weakness, hypotonia, high blood cholesterol and sugar levels, anemia, loss of appetite and nausea are common signs of biotin deficiency. Vitamin A (retinol) is used for treatment of practically all skin diseases (acne, seborrhea, psoriasis, etc.). In case of skin lesions (wounds, sunburns), vitamin A accelerates healing process, as well as stimulates collagen synthesis, improves the quality of regenerated tissue and reduces the risk of infections. Vitamin A participates in the synthesis of steroid hormones (including progesterone). Both vitamin A and β-carotene, while being powerful antioxidants, are used for prevention and treatment of cancerous diseases. Both vitamin A and β-carotene protect cell membranes against the destructive effect of free radicals, while β-carotene also neutralizes the most hazardous types of free radicals. Vitamin A is required for normal immune system functioning and is indispensable in the fight against infections. Vitamin A gives hair elasticity, makes it stronger and helps against ultraviolet radiation. In case of its deficiency, the scalp may start flaking, hair become thin and fragile. Vitamin E (tocopherol) is the main nourishing antioxidant. It slows down the process of cell aging due to oxidation, improves the nutrition of cells, strengthens blood vessel walls, prevents blood clot formation and contributes to their dissipation. Vitamin E participates in cell division, cell respiration and metabolism. When applied externally, vitamin E helps skin healing and reduces the risk of scar tissue formation. In addition, tocopherol helps treat eczema, skin ulcers, herpes, and seborrhea. Vitamin E deficiency results in hair loss. Vitamin C (ascorbic acid) is also used to prevent hair loss. It is responsible for capillary tone and integrity. Vitamin C deficiency induces impaired microcirculation, therefore hair loss, since hair especially need an active blood supply. Vitamin C possesses antioxidant properties and contributes to iron uptake, critical for hair not to be fragile and dull. Vitamin C also helps to cope with stress – one of the main hair problems triggering factors.

**Inositol** is vital for hair growth. Inositol deficiency may be associated with hair loss and skin eruptions. Inositol is important for persistent growth of healthy hair, prevents premature hair loss, conditions, moisturizes, and makes hair combing easier. Inositol protects healthy skin and exerts a sedative effect. It forms a part of cell membranes, stimulates cell respiration, exerts a marked lipotrophic effect, improves the nerve signal transmission, regulates the copper and zinc balance. Inositol participates in the process of DNA replication and protein synthesis, therefore contributes to fast tissue growth and regeneration. It improves the blood fluidity (rheology) and prevents blood clots formation, as well as enhances the elasticity of vessel walls.

**Zinc** participates in the processes of cell division and differentiation, T-cell immunity development, functioning of dozens of enzymes, including the antioxidant enzyme superoxide dismutase, and insulin – an enzyme produced by the pancreas. Zinc is essential for the processes of skin regeneration, hair and nails growth and sebaceous gland secretion, it contributes to vitamin E absorption and regulation of normal concentration of this vitamin in the blood, as well as participates in the hematopoiesis. Zinc is required to maintain the skin in normal condition, hair and nails growth, as well as for healing lesions, as much as it is important in the synthesis of proteins. Zinc enhances the body immune system and exerts a detoxifying effect, i.e. contributes to elimination of carbon dioxide from the body. Zinc reduces hair loss and improves hair appearance. Zinc is important to stop premature hair graying since it has been proved that gray hair contain less zinc.

**Iron** forms parts of hemoglobin, myoglobin and cytochromes. Most of the human body iron is contained in red blood cells, it is present in brain cells. Iron is important for the processes of energy release, enzymatic reactions, it secures immune functions and cholesterol metabolism. Iron contained in cells and tissues contributes to the activity of the protein transferrin, which transports ferric iron ions. Iron makes hair stronger and protects from fragility. Iron deficiency is a common condition associated with hair loss onset.

**Copper** is a vital element, it is a part of various vitamins, hormones, enzymes and respiratory pigments, it participates in the processes of metabolism, tissue respiration, etc. Copper is very important to maintain normal structure of bones, cartilages, tendons (collagen), elasticity of blood vessel walls, skin (elastin) and hair. Copper forms a part of myelin nerve sheaths. Copper effect on carbohydrate metabolism appears through acceleration of glucose oxidation and deceleration of glycogen degradation in the liver processes. Copper forms parts of many essential enzymes such as cytochrome oxidase, tyrosinase, ascorbic oxidase, etc. Copper is present in the system of body antioxidant protection and is a cofactor of the enzyme superoxide dismutase which participates in the neutralization of oxygen free radicals. Copper improves the body’s resistance to certain infections, binds microbial toxins and enhances the effects of antibiotics. Copper possesses a marked anti-inflammatory effect, reduces the manifestations of autoimmune diseases and contributes to the iron uptake in the body. It is responsible for natural color of hair and helps avoid premature hair graying.

**Silicium** is a structure-forming element of connective tissues. Silicium deficiency in the body induces hair dryness, fragility, thinning and alopecia.

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**GLOSSARIUM OF ACTIVE INGREDIENTS OF THE DIVINATION SIMONE DELUXE PRODUCTS**

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Glossarium of Active Ingredients of the Divination Simone Deluxe Products

Complex of water-soluble and fat-soluble vitamins and microelements present in the new Simone products helps regulate adequate metabolism and metabolic processes in the scalp and exerts a beneficial influence on the hair growth, strength and appearance. The complex of vitamins and minerals helps enhance the blood circulation and the processes of cell regeneration, it increases adenosine triphosphate supply, maintains an adequate level of protein and carbohydrate metabolism, which are required for healthy hair growth and protection against premature graying. The antioxidant properties of vitamins A, C and E protect hair and skin from unfavorable effects of environmental factors and ultraviolet radiation, prevent hair and skin structural lipids from oxidation.

Algae extract contains essential fatty acids, antioxidants (vitamins E and C), sodium, potassium, iron, zinc, carotene, amino acids and proteins. With these components algae extract improves the metabolic processes in the skin, stimulates the blood circulation, enhances the elasticity of skin and hair, regulates seborrheic and slows down aging processes.

Rhodophyceae extract is used as a natural thickening, gel-forming and water-binding agent. It perfectly fits the purpose of regenerating damaged and dry hair with its nourishing, moisturizing and antiviral properties.

Phaeodactylum Tricornutum extract. These algae differ due to a special silicium "armor" contained in their cells, while being the basic component of marine plankton. They possess perfect sorbent's properties, strengthen and enhance the structure of hair.

Pomegranate extract. Due to its high content of polysaccharides (up to 14%), fatty acids and organic acids (citric, malic, oxalic, tartaric, etc.), high percentage of flavonoids and terpenoids, as well as phytoestrogens, this extract possesses a wide range of biological effects. It exerts antioxidant, moisturizing, and exfoliating effects, has a marked regulating effects on seborrheic processes, restores the lipid barrier of the skin, resolves flaking and irritation.

Hydrolyzed DNA and RNA. DNA and RNA hydrolysates contain purine and pyrimidine bases which are natural organic compounds essential for protein synthesis. In bioenergetics, nucleotides containing adenine play an important role. Adenosine triphosphate (ATP) acts as universal energy exchange current in living cells. Guanosine triphosphate (GTP) is essential for protein synthesis. 3'-5'-cyclic adenosine monophosphate (cAMP) is an important element in the mechanism of hormonal regulation. Purine bases also form a part of many coenzymes. Pyrimidine compounds exert a stimulating effect on hair growth. The derivatives of purine and pyrimidine bases contained in new Simone products allow to obtain stimulating effects comparable to minoxidil's, which is the most powerful of the officially approved hair growth stimulators by today. Unlike the minoxidil-based preparations, all new Simone hair growth stimulators do not have the negative effects of the withdrawal and may be used as split-course regimens. It is also well known that vitamins B1 and methyluracil belong to aminopyrimidine derivatives.

Camellia Oleifera extract. Being of Indian and Vietnames origin, Camellia Oleifera has become a plant known all over the world. This evergreen tree or shrub belongs to the Theaceae family and is cultivated both for its exquisite pink or pale-pink flowers and for the purpose of producing useful oils used in cosmetology (essential oil obtained from the leaves). Due to its properties, the Camellia Oleifera extract is a powerful antioxidant, it protects the upper layers of the skin from damaging solar radiation and free radicals, slows down skin ageing, eliminates irritation and calms down the skin.

Capixil™ is a proprietary complex (patent No. WO 2005/009456 – US7057719) produced by Unipex (Canada). Capixil is formed by tetrapeptide (acetyl tetrapeptide-3 is a peptide comprised of 4 amino acids stimulating hair growth by direct influence on hair follicles) and Trifolium Pratense extract with a high concentration of Biochanin A. Trifolium Pratense extract is traditionally used for treatment of asthma, psoriasis, and eczema.
The main red clover isoflavone Biochanin A is an efficient inhibitor of 5-alpha-reductase type 1 and type 2. Studies have shown that Biochanin A suppresses inflammation by blocking proinflammatory cytokines, in particular IL-1α. Biomimetic acetyl tetrapeptide-3 stimulates extracellular matrix protein synthesis in the papillae of hair follicles, exerting a direct stimulating effect on hair growth. For more detailed information on these studies see www.unipex.com. The Capixil complex is an ingredient of LOTION PLACENTA SHOCK DE LUXE.

Saw Palmetto extract. Use of Saw Palmetto in medical practice was reported for the first time in the beginning of the 18th century. Present-day studies helped precisely determine the composition of Saw Palmetto fruits. It has been established that Saw Palmetto fruits contain esters of such fatty acids as decanoic, lauric, palmitic, and butyric acids and glycoside beta-sitosterol. Scientists from the Minneapolis Medical Center have analyzed the results obtained in 18 clinical studies conducted in 2,939 patients. It has been scientifically established that the Saw Palmetto extract slows down the local prostaglandin synthesis and is a non-competitive 5-alpha-reductase inhibitor. In other words, Saw Palmetto-based preparations inhibit the conversion of testosterone to dihydrotestosterone which is the most common cause for hair loss in men and women. Saw Palmetto also blocks the binding of dihydrotestosterone to cell receptors. Owing to the above properties, Saw Palmetto-based preparations are powerful natural anti-androgens blocking the negative influence of dihydrotestosterone on hair. The Journal of Alternative and Complementary Medicine (2002;8:143–52) reports that, according to clinical studies, in case of male pattern baldness hair growth can be enhanced by using preparations containing Saw Palmetto (Serenoa repens) and beta-sitosterol [component found in many edible plants].

CEGABA N-Carboxyethyl Gamma-Aminobutyric Acid. Gamma-hydroxybutyric acid is a well-known neurotransmitter present in high concentrations in the brain structures. Carboxyethyl gamma-aminobutyric acid is obtained through amino acid synthesis. This substance exerts stimulating activity, enhancing the mitotic activity of cells without any toxic effect. According to the data of clinical trials conducted by GATTEFOSSE SAS (France), the hair growth stimulating effect obtained in a group receiving CEGABA is comparable with the effectiveness of minoxidil, but in the CEGABA group positive results are achieved faster and with no side effects. It is effective both as monotherapy and in combination with vitamins and amino acids [Metabolic meaning and preliminary results in trichology : Italian – French SICC– SFC Symposium on Natural Extracts in Cosmetology, Chamonix, June 1987 and COSNGG, 60, 176 – 187 (1998) [Trichological evaluation gives a first good evidence of the effects of Carboxyethyl Aminobutyric Acid (CEGABA) in restoring the equilibrium of hair loss / hair growth] CEGABA is an ingredient of LOTION FRESH CELLS DE LUXE.

Hydrolyzed keratin. Keratins are a family of fibrillar proteins possessing on of the strongest mechanical resistance similar to the chitin. Keratin accounts for almost 90% of the hair composition. Therefore, keratin predetermines the mechanical resistance and structure of hair. Keratin fibrillae contains large amounts of disulfide bridges formed with the participation of the sulfur-containing amino acid cysteine, which gives additional resistance and resilience to keratin. Cysteine accounts for 14% of human hair. The hair treated with keratin increases its tensile strength 2,7 cm/Tex above the values inherent to normal hair. At the same time, when shampoos and conditioners not containing keratin are used, all types of hair have a show a reduction in strength. The data obtained demonstrated that keratin-containing shampoos and balsams fit perfectly for professional and home hair care. Consequently, usage of keratin-containing products is indicated:

- After all hairdressing services [permanent waving, straightening, coloring and many other procedures with chemical and thermal exposure].
- For correction of negative environmental effects [sun, sea and chlorinated water, dust, smoke, etc.].
- In case of metabolic disorders in the body leading to an insufficient intake and uptake of amino acids, vitamins, and macro- and microelements essential for normal formation and growth of hair.
- In case of visually detected abnormalities of the hair structure such as split ends, fragility, excessive dryness.
- For prevention of hair structure abnormalities and hair loss.

Climbazole is a powerful compound against dandruff. It belongs to azoles possessing a fungistatic effect. Azoles inhibit the synthesis of ergosterol in the fungal cell membrane. It is used predominantly in medicinal and cosmetic products. Climbazole fights dandruff and prevents its reappearance, exerts a relaxing effect on the scalp and gives the hair a healthy shine. It is also an active antimicrobial component.

Hydrolyzed collagen. Collagen is a structural protein which is the basic component of the connective tissue and fills up the space between the cells and the muscle fibers. Collagen maintains water balance in the cell.
Collagen accounts for 30% of the total weight of human protein, it is responsible for resilience, elasticity, an adequate moisturizing of the skin, nails and hair and for continuous cell regeneration. Progressive age-dependent collagen deficiency causes worsening of skin, nail and hair appearance. Usage of collagen-containing preparations contributes to slowing down skin ageing, improves its protective functions, contributes to hair and nails regeneration, helps fight dandruff, psoriasis and dermatitis, slows down hair graying and strengthens the blood vessel walls. Collagen usage leads to prolonged effect of extracts and oils in cosmetic products; in conjunction with keratin, collagen activates healing of scalp micro-cracks and fills out hair defects, enhances brightness of colored hair, gives hair shine, and forms a collagen (protective) coating on the hair surface. Collagen is substantive to hair and is an effective conditioner giving hair the shape and texture. Aesculus Hippocastanum (horse chestnut seed) extract. The biological activity of this extract is associated primarily with its most active chemical compound – aescin (a triterpene glycoside). Experimental studies have shown that aescin shows a marked venotonic effect which corresponds to the activity of serotonin and dihydroergotamine. Aescin exerts marked anti-inflammatory and antiedemic effects. The anti-inflammatory activity of aescin is superior to the one of butadione. The capillary strengthening effects of aescin confirmed an assumption that it exerts a primary influence on the first phase of inflammation when vascular permeability impairment takes place. Apart from strengthening the blood vessel and capillary walls, aescin also stimulates blood circulation, improves metabolic processes in the skin cells and regulates the sebum discharge.

Caffeine. Caffeine is a purine alkaloid. It has been proved that, when applied externally, caffeine exerts a stimulating effect on hair growth. A study conducted in 2007 by T. W. Fischer (Journal of Dermatology; Jan 2007, Vol. 46 Issue 1, p27-35) immunohistochemically shows a statistically significant increase in hair growth associated with the influence of caffeine in the experiment ex vivo on the hair follicles in patients suffering from androgenetic alopecia. Also, the positive role of caffeine has been proved by the studies conducted at the dermatology department of the University Hospital Hamburg-Eppendorf. In combination with minoxidil and other stimulators, caffeine exerts a synergistic effect. According to present-day data, caffeine’s inhibiting effect on phosphodiesterase plays a significant role in its mechanism of action, which results in intracellular accumulation of cyclic adenosine monophosphate. Caffeine reduces platelet aggregation and enhances blood flow.

Urtica Dioica leaf extract. As a medicinal plant, nettle has been used since ancient times. The healing properties of nettle were described by the famous Avicenna. Nettle leaves contain large amounts of vitamin C, carotene, chlorophyll (up to 5%), tanning substances, organic acids, porphyrins, flavonoids, vitamins B1, B12, K, E, PP, pantothenic acid, carotenoids, iron, manganese, sulfur, copper, silicon, boron, nickel, titanium, calcium, potassium, mineral salts, acetylcysteine, histamine and phytoncides. Hairs on the leaves have nitrogen-containing, formic and other acids, as well as acetylcysteine, due to which the plant has the stinging effect. By its protein content, nettle is not inferior to such famous nitrogen-containing plants as peas, beans and pods. The presence of these substances explains why nettle is widely used in the treatment of hair and scalp diseases. The plant possesses anti-inflammatory, antiseptic, wound-healing, bleeding-clothing, general restorative effects and stimulates damaged tissue regeneration. Experimentally it has been also proved that nettle is capable of increasing the number of red blood cells, sometimes not being inferior to the effectiveness of iron preparations.

Lecithinum. It is a mixture of esters of glycerol, phosphoric and fatty acids (oleic, palmitic and stearic acids) and choline. It is one of the most important components which actively participates in cell metabolism. It is essential for “feeding” the nervous system, forms part of the outermost layer of nerve fibers; maintains an optimal phospholipidic metabolism. It helps with uptake of the fat-soluble vitamins A, D, E и K, which are essential for feeding all body cells. It is a substrate for building up the cell envelope, ensuring the transfer of ions and molecules across biological membranes. It has been used for many years in the cosmetics industry. Lecithinum shows perfect emulsifying properties, contributes to penetration through the skin of other active ingredients and reduces skin irritation.

Citrus lemon peel extract. Its healing effect is due to the presence of lemon oil and citric acid which, together with malic and succinic acids, play an important role in metabolism. Ascorbic acid (vitamin C) is no less important for the lemon healing effect. Lemon-based preparations exhibit general restorative, anti-inflammatory, antimicrobial, antiparasitic, antifungal effects, stimulate the skin and remove seborrhea manifestations.

Arctium Majus root extract. It is simply magic by its effect to the hair. This is one of the best fortifying hair remedies. The burdock root contains an incredible amount of resources: polysaccharide inulin (up to 50%), bardana essential oil, protein (about 12%), vitamins A, B, C, E, P; salts of chrome, cobalt, iron, magnesium, phosphorus, potassi-
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GLOSSARIUM OF ACTIVE INGREDIENTS
OF THE DIVINATION SIMONE DELUXE PRODUCTS

Capsaicin. Capsaicin belongs to the pharmacological group of the alkaloids. It contains the alkaloid

Capsicum Frutescens extract. This is a natural moisturizing and softening complex which is rich in vitamins, microelements, mineral salts and other substances. Honey is an ecologically optimal humidity regulator. It improves the structure of the skin and hair, enhances the capability of the corneal layer to retain moisture. Honey possesses antimicrobial, antifungal and anti-inflammatory properties. It gives hair a remarkable shine.

Menthol. It gives a sensation of gentle coolness and freshness, protects the scalp from irritation and helps hair stay cleaner for longer time. Menthol activates TRPM8 receptors, which regulate the content of intracellular calcium, contributes to blood circulation and metabolism stimulation.

Mimosa Tenuiflora. It is known to be capable of accelerating the processes of cell division and metabolism in the skin. It stimulates collagen synthesis, improves microcirculation and contributes to active oxygenation of tissues. Tannins account for up to 42% of the cortex and, therefore, it exerts an adequate tanning and anti-inflammatory effect for elimination of the seborrhea.

Nasturtium Officinalis extract. It is derived from the stems and inflorescence of nasturtium. Nasturtium Officinale (watercress) fortifies hair roots. The plant’s stems and flowers contain essential oil, carotenoids, tannins, sugars, large amounts of vitamins C, B1, B2 and E, salts of potassium and iodine. In medicine the extract has been used since ancient times to treat vitamin deficiencies as well as an anti-inflammatory and bactericidal remedy.

Tropaeolum Majus flower extract. It contains ascorbic acid, carotene, benzylazotnocianate. In Europe, in particular in German folk medicine, the juice has been used since ancient times as a hair growth remedy.

Nicotinamide. Nicotinic acid, niacin, vitamin PP or B3. Nicotinic acid deficiency results in the skin beginning to exfoliate and lose its elasticity. When applied externally, it dilates small vessels, improves microcirculation and exerts a mild anticoagulant effect (increases the fibrinolytic blood activity).

Olea Europaea leaf extract. The olive branch is a symbol of peace, but this plant may be called also a human disease fighter. Olea Europaea is a plant belonging to Oleaceae family. The plant’s leaves contain oleanolic acid, vitamin C, and flavonoids (rutin, lutein and hesperidin). Oleanolic acid forms part of oleuropein, which possesses many properties useful to the body. The olive extract removes arterial spasms and restores blood circulation. The complex of substances present in the olive leaves contributes to maintain the integrity of blood vessel walls, reduces their fragility and permeability and prevents blood clot formation. Present-day scientific data has demonstrated that the Olea Europaea leaf extract is an effective antiviral remedy exhibiting also bactericidal (inter alia, with regard to resistant strains of streptococcus and staphylococcus) and antifungal (inter alia, in case of candidosis) effects. Olive is known to have a positive influence on the structure and health of hair.

Panthenol. It is a derivative of pantothenic acid which belongs to water-soluble B-group vitamins responsible for carbohydrate, protein and fat metabolism. Its low molecular weight, hydrophilism and low polarity help active substances to penetrate all skin layers. When applied topically, panthenol is quickly absorbed and converts to pantothenic acid. It plays an important role in the processes of discharge of energy from carbohydrates, synthesis and degradation of fatty acids, synthesis of sterols and steroid hormones, acetylcholine. Pantothenic acid is responsible for the normal functioning of epithelium. It is especially needed when the skin integument or tissues are damaged. In this case local deficiency of pantothenic acid can be compensated with topical use of panthenol. It stimulates skin regeneration, regulates cell metabolism and enhances the strength of collagen fibers. It exerts regenerating and mild anti-inflammatory effects, nourishes and softens the skin and hair.

Capsicum Frutescens extract. It contains the alkaloid Capsaicin. Capsaicin belongs to the pharmacological group...
of natural irritating agents. Capsaicin is a blocker of A-type fast K-channels. Its irritating effect is due to its binding to vanilloid receptors VR1 (TRPV-1) while being their agonist. Scientists from the UK Nottingham University have found out that capsaicin, which gives hot pepper its sharp burning flavor and irritating effect, induces massive death of malignant cells. A recent study conducted by Ehsani A, Toosi S, Seirafi H, et al. Capsaicin vs. clobetasol for the treatment of patchy hair loss is comparable to the activity of the powerful corticosteroid Clobetasol 0.5%. Capsaicin is also known to exhibit a positive role in the treatment of diffuse hair loss caused by stress factors.

Piroctone Olamine. It is an active antifungal sulfur-containing component which inhibits a bactericidal effect with regard to propionobacteria causing dandruff. By impeding proliferation of these lipophilic microorganisms, piroctone olamine reduces skin flaking and scalp itching.

Placental extract. It contains virtually all non-essential and essential amino acids, regulatory peptides, polysaccharides, hyaluronic acid, succinic acid, chondroitin sulfate, lipids, dimethylamineoethanol, coenzyme Q10, polyunsaturated fatty acids, proteins, alpha-fetoprotein, lecithin, growth factors, natural well-balanced complexes of water-soluble and fat-soluble vitamins, macro- and microelements. It exhibits a trophic stimulating effect, nourishes and moisturizes skin and hair, stimulates hair growth, possesses restorative and protective functions, contributes to the recovery of interrupted processes of hair and skin autoregulation. It does not contain hormones.

Hedera Helix extract. It is derived from the evergreen liana leaves. It contains glycosides (hederin), flavonoids, pectin, mineral salts, organically bound iodine and other components. The Hedera Helix extract effectively moisturizes hair and skin, improves blood circulation, reduces congestive conditions, exerts tonic, bactericidal and anti-inflammatory effects.

Resorcinum. It possesses the properties of phenols. Resorcinum is used in low concentrations (0.25–2.0%) for external preparations as a keratoplastic (epithelizing and healing) agent, it is indicated as an astringent and anti-inflammatory remedy, stimulates regeneration processes, exerts an antiseptic effect. In dermatology and cosmetology, it is used for treatment of eczema, seborrhea, fungal lesions and pruritus.

Rosmarinus Officinalis extract. It has been used for a long time as a component of formulations intended for scalp and hair treatment. It contains alkaloid rosmarinic (0.5%), tannin substances (up to 8%), flavones, beta-sitosterol, nicotinyl, glycolic, caffeic and rosmarinic acids. Rosmarinic acid is an effective antioxidant, it has brought much interest over the last few years. It possesses antiseptic properties and is used in treatments of skin infections and eczema, contributes to the improvement of blood circulation, exerts tonic and disinfecting effects and removes dandruff.

Chamomilla Recutita flower extract. It contains azulen (chamazulene), anthetic acid, and glycosides. Chamazulene exhibits marked anti-inflammatory, anti-allergic, antiseptic and astringent effects.

Salicylic Acid. It is a hydroxyacid containing phenolic group. Salicylic acid was firstly derived from the willow bark. It possesses exfoliating and anti-inflammatory effects. Salicylic acid is soluble in fats, therefore it penetrates easily into the sebaceous gland. Cosmetic products with salicylic acid can be used on an everyday basis. It is contained in the form of esters in birch bark and Gaulteria leaves. It possesses marked antiseptic, antifungal and keratolytic properties. Salicylic acid can be used as phytohormone. Salicylic acid causes temperature rise in certain organs of thermogenic plants (in particular Rafflesia Arnoldii). It takes place in disruption of mitochondrial electron transport chain. Studies are now being actively performed to assess the influence of salicylic acid on the development of non-specific response to stress-producing factors and accumulation of active forms of oxygen.

Sphingolipids (ceramides). Sphingolipids were firstly derived from the brain tissue. They have got the second name, the ceramides, from the Latin word cerebrum (brain). Later it was established that ceramides form a major part of lipid layer between skin and hair horny scales. Among various ceramides, the ones containing a linoleic acid are of a special importance. These ceramides stitch together adjacent lipid layers and into one integrated structure. In case of deficiency of the ceramides or linoleic acid, the lipid layer of the stratum corneum loses its integrity and breaks up. This results in hair dryness and fragility, increased skin and hair sensitivity to adverse factors. Ceramides are one of the major lipid components of the cell membranes. It also participates in the synthesis of sphingomyelin. The biochemical cell processes such as differentiation, growth, natural ageing and death depend on their quantitative and qualitative composition. In some cases, ceramides, formed in the cell by hydrolysis of sphingomyelin, signal apoptosis (i.e. genetically controlled programmed process of cell death which is launched via specific signals). This is exactly why ceramides are the important components of anti-ageing cosmetics.
Phospholipids. These are complex lipids which are specifically characterized by the presence of the phosphoric acid residue in molecules. Phospholipids are vitally important for the skin cells, as they are major components of the blood plasma membranes and their main suppliers. Essential polyunsaturated fatty acids present in phospholipids, such as linoleic and linolenic acids, provide mobility to the cell membrane, which is required for carrying out normal vital activity of the cells and synthesis of horny layer lipids responsible for their barrier functions. Phospholipids are responsible for the delivery of biologically active substances to deep skin layers. While having a close affinity to skin lipids and being located on its surface, they dissolve in it and gradually release their contents into the epidermis. Accordingly, a graduated and sustained effect of active ingredients is ensured and high results are achieved. Phospholipids increase the epidermal barrier permeability and improve the delivery of biologically active substances to deep skin layers. This takes place due to the fact that phospholipids, along with ceramides and neutral lipids, form the part of the horny layer lipid matrix. Consequently, when getting into the horny layer, phospholipids are embedded into the lipid matrix, while providing it with more mobility and facilitating penetration of active substances into it. Phospholipids moisturize the skin and protect it against dehydration. Phospholipids are spontaneously organized into stratified or lamellar structures and create storage moisture reservoirs for the skin. While possessing a high affinity to the skin, they bind to corneocytes and exert a long-lasting moisturizing effect. The moisturizing effect of phospholipids is due to not only their capacity to bind water but also to the ability to form in water a bilayer structure; they form a thin film on the surface of the skin which protects it against moisture loss. Phospholipids control gradual release of active components, ensuring their long-lasting effect.

Alpha hydroxy acids. These acids received the common name of “fruity acids”, as initially they were found in fruits. Natural fruity acids contribute to removal of the superficial keratin flakes (chemical peeling), inhibit powerful moisturizing and water-retaining effects, activate immune resistance and give the skin a healthy appearance, softness and velvety feeling. Hydroxy acids exert exfoliating, moisturizing, anti-inflammatory and antioxidant effects on the skin, as well as stimulate the synthesis of collagen and glycosaminoglycans. Citric, glycolic, lactic, malic and tartaric acids are intended to deep cleanse follicular pores containing sebum, remove keratinized skin cells accumulated within the pores. Among all AHA, glycolic acid exhibits the most powerful keratolytic activity. Exactly this acid provides an immediate smoothing effect, which is achieved when using AHA. Lactic acid is a highly active moisturizer. Studies have shown that this acid enhances the synthesis of glycosaminoglycans. Citric acid stimulates the synthesis of collagen. Tartraric and malic acids enhance the skin elasticity. The combination of these specific acids happens to be one of the most effective applications.

Hydrolized silk. This hydrolysate contains basic silk-forming amino acids: aspartic acid, glutamic acid, serine, glycine, threonine, alanine, arginine, leucine, valine, methionine, phenylalanine, isoleucine, cysteine, tyrosine, lysine and proline. The complex of natural amino acids provides an optimal balance of moisturizing and protective film-forming properties, which improves hair appearance. It influences weakened and fragile hair volume, elasticity and attractive shine.

Salvia Officinalis leaf extract. This extract contains the essential oil rich in camphor, borneol and cineol. Alkaloids, flavonoids and linoleic acid glycerides are also found in sage leaves. Sage is widely known to be beneficial in hair loss treatment. It possesses disinfecting, anti-inflammatory and astringent effects and reduces sweating.

Lamium Album extract. White deadnettle flowers and leaves contain the lamiine alkaloid, essential oil, flavonoids, coumarins, tanning substances, organic acids (caffeic, n-coumaric, gallic, chlorogenic and ferulic acids), carotene (15 mg %), ascorbic acid (in spring, up to 130 mg %), mucilage and saponins. This rich composition predetermines its capacity to stimulate hair growth and reduce hair loss, exerts an active anti-inflammatory and tonic effect. White deadnettle inhibits medicinal properties in the treatment of allergic dermatosis, furunculosis, eczema and skin ulcer.
<table>
<thead>
<tr>
<th>DIVINATION SIMONE DELUXE HAIR CARE PRODUCTS</th>
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<tbody>
<tr>
<td><strong>SHAMPOO</strong></td>
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<tr>
<td><strong>ANTISEBORRHEIC PRODUCTS</strong></td>
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<tr>
<td><strong>ANTISEBORRHEIC AND ANTI-DANDRUFF PRODUCTS</strong></td>
</tr>
<tr>
<td><strong>ANTI-HAIR LOSS AND HAIR GROWTH STIMULATING PRODUCTS</strong></td>
</tr>
<tr>
<td><strong>DOUBLE-EFFECT PRODUCTS: HAIR GROWTH STIMULATION AND DAMAGED HAIR RESTRUCTURING</strong></td>
</tr>
<tr>
<td><strong>RESTRUCTURING PRODUCTS FOR DAMAGED HAIR</strong></td>
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</tbody>
</table>
CASE STUDIES.

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**FPHL (Ludwig II). Before trearment**

- Square: 22.7 sq.mm
- Total hair: 357.0 per sq.cm.
- Total calculated: 81 of hair
- Anagen total: 89% (68)
- Telogen total: 11% (8)
- Terminal among Anagen: 78%
- Terminal among Telogen: 12%
- Vellus among Anagen: 22%
- Vellus among Telogen: 88%
- Measured total: 81 hair

**Dixido DeLuxe Forte (4 months)**

- Square: 22.7 sq.mm
- Total hair: 436.4 per sq.cm.
- Total calculated: 99 of hair
- Anagen total: 79% (65)
- Telogen total: 21% (17)
- Terminal among Anagen: 92%
- Terminal among Telogen: 82%
- Vellus among Anagen: 8%
- Vellus among Telogen: 18%
- Measured total: 99 hair

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Before Treatment</th>
<th>4 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square (sq.mm)</td>
<td>22.7</td>
<td>22.7</td>
</tr>
<tr>
<td>Total hair (per sq.cm)</td>
<td>357.0</td>
<td>436.4</td>
</tr>
<tr>
<td>Total calculated</td>
<td>81</td>
<td>99</td>
</tr>
<tr>
<td>Anagen total (%)</td>
<td>89</td>
<td>79</td>
</tr>
<tr>
<td>Telogen total (%)</td>
<td>11</td>
<td>21</td>
</tr>
<tr>
<td>Terminal among Anagen (%)</td>
<td>78</td>
<td>92</td>
</tr>
<tr>
<td>Terminal among Telogen (%)</td>
<td>12</td>
<td>82</td>
</tr>
<tr>
<td>Vellus among Anagen (%)</td>
<td>22</td>
<td>8</td>
</tr>
<tr>
<td>Vellus among Telogen (%)</td>
<td>88</td>
<td>18</td>
</tr>
<tr>
<td>Measured total (hair)</td>
<td>81</td>
<td>99</td>
</tr>
</tbody>
</table>

- Mean diameter All hair: 47 +/- 1.5 µm
- Mean diameter All Terminal hair (>35 µm): 53 +/- 1.3 µm
- Vellus hair (<35 µm): 27%
- Among Terminal hair:
  - Thin hair (35-60 µm): 78%
  - Regular hair (60-80 µm): 22%
- Anisotrichosis: 47 +/- 13.6 µm
- Hair growth rate: 293µm (0.29mm) per 24 hours

- Mean diameter All hair: 61 +/- 1.8 µm
- Mean diameter All Terminal hair (>35 µm): 64 +/- 1.7 µm
- Vellus hair (<35 µm): 9%
- Among Terminal hair:
  - Thin hair (35-60 µm): 49%
  - Regular hair (60-80 µm): 30%
  - Thick hair (>80 µm): 21%
- Anisotrichosis: 61 +/- 17.5 µm
- Hair growth rate: 332µm (0.33mm) per 24 hours

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CASE STUDIES.

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**FPHL (Ludwig I). Before treatment**

- Square - 18.8 sq.mm
- Total hair - 362.7 per sq.cm.
- Total calculated - 68 of hair
- Anagen total 84% (49)
- Telogen total 16% (9)
- Terminal among Anagen - 92%
- Terminal among Telogen - 78%
- Vellus among Anagen - 8%
- Vellus among Telogen - 22%
- Measured total: 68 hair

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Mean diameter All hair</td>
<td>51 +/- 1.4 µm</td>
</tr>
<tr>
<td>Mean diameter All Terminal hair (&gt;35 µm)</td>
<td>53 +/- 1.2 µm</td>
</tr>
<tr>
<td>Vellus hair (&lt;35 µm)</td>
<td>9%</td>
</tr>
<tr>
<td>Among Terminal hair:</td>
<td></td>
</tr>
<tr>
<td>Thin hair (35-60 µm)</td>
<td>73%</td>
</tr>
<tr>
<td>Regular hair (60-80 µm)</td>
<td>27%</td>
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<tr>
<td>Anisotrichosis</td>
<td>51 +/- 11.4 µm</td>
</tr>
<tr>
<td>Hair growth rate:</td>
<td>0.31 mm per 24 hours</td>
</tr>
</tbody>
</table>

**Dixidox DeLuxe Antidandruff Lotion (1.5 months)**

- Square - 18.8 sq.mm
- Total hair - 453.3 per sq.cm.
- Total calculated - 85 of hair
- Anagen total 86% (56)
- Telogen total 14% (9)
- Terminal among Anagen - 89%
- Terminal among Telogen - 78%
- Vellus among Anagen - 11%
- Vellus among Telogen - 22%
- Measured total: 85 hair

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Mean diameter All hair</td>
<td>57 +/- 1.9 µm</td>
</tr>
<tr>
<td>Mean diameter All Terminal hair (&gt;35 µm)</td>
<td>61 +/- 1.5 µm</td>
</tr>
<tr>
<td>Vellus hair (&lt;35 µm)</td>
<td>11%</td>
</tr>
<tr>
<td>Among Terminal hair:</td>
<td></td>
</tr>
<tr>
<td>Thin hair (35-60 µm)</td>
<td>49%</td>
</tr>
<tr>
<td>Regular hair (60-80 µm)</td>
<td>45%</td>
</tr>
<tr>
<td>Thick hair (&gt;80 µm)</td>
<td>7%</td>
</tr>
<tr>
<td>Anisotrichosis</td>
<td>57 +/- 16.9 µm</td>
</tr>
<tr>
<td>Hair growth rate:</td>
<td>0.33 mm per 24 hours</td>
</tr>
</tbody>
</table>
CASE STUDIES.

Evaluations performed by means of custom software TrichoSciencePro ©
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FPHL (Ludwig I). Before treatment

Square - 21.9 sq.mm
Total hair - 308.4 per sq.cm.
Total calculated - 67 of hair
Anagen total 92% (56)
Terminal among Anagen - 94%
Vellus among Anagen - 6%
Terminal among Telogen - 40%
Vellus among Telogen - 60%

Measured total: 67 hair
Mean diameter All hair - 61 +/- 2.1 µm
Mean diameter All Terminal hair (>40 µm) - 65 +/- 1.8 µm
Vellus hair (<40 µm): - 9%
Among Terminal hair:
Thin hair (40-60 µm): - 36%
Regular hair (60-80 µm): - 49%
Thick hair (>80 µm): - 15%
Anisotrichosis - 61 +/- 17.3 µm
Hair growth rate: 266 µm (0.27 mm) per 24 hours

Crexepil DeLuxe Forte Lotion (4 months)

Square - 21.9 sq.mm
Total hair - 361.2 per sq.cm.
Total calculated - 79 of hair
Anagen total 97% (60)
Telogen total 3% (2)
Terminal among Anagen - 93%
Vellus among Anagen - 7%
Terminal among Telogen - 50%
Vellus among Telogen - 50%

Measured total: 79 hair
Mean diameter All hair - 64 +/- 1.9 µm
Mean diameter All Terminal hair (>40 µm) - 67 +/- 1.7 µm
Vellus hair (<40 µm): - 6%
Among Terminal hair:
Thin hair (40-60 µm): - 31%
Regular hair (60-80 µm): - 50%
Thick hair (>80 µm): - 19%
Anisotrichosis - 64 +/- 16.6 µm
Hair growth rate: 300 µm (0.3 mm) per 24 hours
The Tribute To Trichology!
This antiseborrheic shampoo produced on the basis of collagen and plant extracts, vitamins and active seb- orrhea-regulating components is not only eliminating an excessive sebum secretion but also prevents it. Nucleic acid hydrolysates, pyrimidine and purine bases, inositol and vasodilating components help to reduce hair loss and stimulate hair growth. Al-gae extract, collagen and panthenol provide healthy hair structure, give an extra shine and volume to hair. The shampoo exhibits anti-inflammatory and anti-itching effects, brings a sensation of freshness, eliminates dandruff and prevents its appearance.

Directions: This shampoo can be used on everyday basis for treatment purposes and on as needed basis for prevention purposes. Gently massage shampoo into wet hair and scalp till foam develops, leave-in for a few minutes for active components to penetrate, then rinse thoroughly 2 to 5 minutes. If used less than twice a week, it is recommended to apply shampoo twice. For maximum results, use the shampoo at least once a week after Dixidox DeLuxe Peeling 1.3 application. After shampoo it is recommended to proceed with Dixidox DeLuxe Antiseborrheic Lotion 1.4 application.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.


1. ANTISEBORRHEIC PRODUCTS

Dixidox DeLuxe Peeling №1.3

This product is based on the complex of fruity acids and salicylic acid, botanic extracts and apricot kernel powder. Natural fruity acids contribute to the superficial keratin flakes removal [chemical peeling], exhibit a powerful moisturizing and water-retaining effects, activate immune resistance and create a sensation of freshness, softness and velvety feeling to the scalp. The product actively cleanses the scalp, exerts a seborrhea-regulating effect and removes hyperkeratosis sings. Helps reduce hair loss and prevent appearance of dandruff.

Directions: Apply some small amount of the product to dry or wet scalp and distribute it with light massage motion. Leave it on for 5-15 minutes. For maximum results, rinse with the antiseborrheic shampoo Dixidox DeLuxe 1.1 and apply Antiseborrheic Lotion Dixidox DeLuxe 1.4. afterwards. Use the product once a week, unless otherwise recommended by a specialist.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients: Phosphoric Acid, Faex [Yeast Extract], Thiamine Hcl, Pyridoxine, Nicacinamide, Riboflavin, Hydrolyzed Keratin, Lanolin, Salicylic Acid, Menthol, Prunus Armeniac [Apricot Seed Powder], Aha [Alpha Hydroxy Acids], [Capsicum Frutescens] Extract.
This antiseborrheic lotion is based on the active seborrheic processes regulating components, vitamins, salicylic acid and botanic extracts eliminating and preventing excessive sebum secretion. The Capsicum Frutescens extract and yeast extract vasodilating components help to reduce hair loss and stimulate hair growth. The lotion exerts anti-inflammatory and anti-itching effects, brings a sensation of freshness, eliminates dandruff and prevents its appearance.

Directions: Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. The lotion may be also applied to hair. Do not rinse, allow the active ingredients to exert their curative effects. Use the lotion 2-3 times a week after washing with Antiseborrheic Shampoo Dixidox DeLuxe No. 1.1, unless otherwise recommended by a specialist.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

2. ANTISEBORRHEIC AND ANTI-DANDRUFF PRODUCTS

**Dixidox DeLuxe Anti-Dandruff Shampoo №2.1**

This anti-dandruff shampoo contains the complex of active ingredients such as piroctone olamine, climbazole, salicylic acid, as well as a high concentration of vitamins and seborrhea regulating ingredients. The shampoo eliminates dandruff and prevents its appearance, as well as regulates sebum secretion. Helps reduce hair loss and exerts an anti-inflammatory effect, brings a sensation of freshness.

**Directions:** The shampoo can be used for active treatment everyday during the first 10 days. Afterwards, use it 2-3 times a week for prevention purposes. Gently massage shampoo into wet hair and scalp till foam develops, leave-in for a few minutes for active components to penetrate, then rinse thoroughly 2 to 5 minutes. For maximum results, use the Anti-Dandruff Shampoo not less than once a week after using the Dixidox DeLuxe Peeling 1.3. After using the shampoo, it is recommended to proceed with Dixidox DeLuxe Anti-Dandruff Lotion №2.4.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Dixidox DeLuxe Anti-Dandruff Lotion №2.4**

**Ingredients:** Piroctone Olamine, Faex (Yeast Extract), Thiamine Hcl, Pyridoxine, Niacinamide, Riboflavin, Menthol, Salicylic Acid, Climbazole

This anti-dandruff lotion contains the complex of active ingredients such as piroctone olamine, climbazole, salicylic acid, as well as a high concentration of vitamins and seborrhea regulating ingredients. The lotion eliminates dandruff and prevents its appearance, as well as regulates sebum secretion. Helps reduce hair loss and exerts an anti-inflammatory effect brings a sensation of freshness.

**Directions:** Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. Use the lotion 2-3 times a week after washing with Anti-Dandruff Shampoo Dixidox DeLuxe No. 2.1, unless otherwise recommended by a specialist.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

3. ANTI-HAIR LOSS AND HAIR GROWTH STIMULATING

**Dixidox DeLuxe Intense Shampoo №3.1**

This intensive shampoo is intended to cleanse scalp and hair as well as strengthen and stimulate hair growth. It contains the complex of hair growth stimulators such as placental extract, adenosine, caffeine, Capsicum Frutescens extract, phytoestrogens, vitamins and inositol. It also contains the Saw Palmetto extract - an ingredient which reliably blocks the activity of dihydrotestosterone (a hormone responsible for hair loss in Alopecia Androgenetic). This shampoo exerts a vasodilating effect. Its formula enriched in addition with keratin, collagen and panthenol predetermines the positive influence on the hair structure, making hair silky and shiny. Helps reduce hair loss, brings a sensation of freshness.

**Directions:** This shampoo can be used on everyday basis for treatment purposes and on as needed basis for prevention purposes. Gently massage shampoo into wet hair and scalp till foam develops, leave-in for a few minutes for active components to penetrate, then rinse thoroughly 2 to 5 minutes. If used less than twice a week, it is recommended to apply shampoo twice. For maximum results, after shampoo it is recommended to proceed with Dixidox DeLuxe Forte Lotion 3.4 or Crexepil DeLuxe Forte Lotion 3.4.1.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.


**Dixidox DeLuxe Forte Lotion №3.4**

Dixidox DeLuxe Forte Lotion is intended to reduce hair loss and stimulate hair growth. It contains the complex of hair growth stimulators such as purine and pyrimidine bases, placental extract, adenosine, caffeine, Capsicum Frutescens extract, phytoestrogens, vitamins, zinc, iron, magnesium, silicon, inositol and sulfur-containing amino acids. It also contains the Saw Palmetto extract - an ingredient which reliably blocks the activity of dihydrotestosterone (a hormone responsible for hair loss in Alopecia Androgenetic). This lotion exerts a vasodilating effect. The presence of panthenol predetermines its positive influence on the hair structure, making hair silky and shiny. The lotion provides a sustained sensation of warmth and freshness.

**Directions:** Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Crexepil DeLuxe Forte Lotion №3.4.1

Crexepil DeLuxe forte lotion is intended to reduce hair loss and stimulate hair growth. It contains the highest concentration of hair growth stimulators, such as purine and pyrimidine bases, placental extract, adenosine, caffeine, Capsicum Frutescens extract, phytoestrogens, vitamins, zinc, iron, magnesium, silicon, inositol and sulfur containing amino acids. It contains the Saw Palmetto extract - an ingredient which reliably blocks the activity of dihydrotestosterone [a hormone responsible for hair loss in Alopecia Androgenetical]. This lotion exerts a marked vasodilating effect. The presence of panthenol and olive leaf extract predetermine its positive influence on the hair structure, making hair silky and shiny. The lotion provides a sustained sensation of warmth and freshness.

Directions: Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist.

For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.


Crexepil DeLuxe Classic Lotion №3.4.2

Crexepil De Luxe Classic lotion is a cosmeceutic product for hair stimulation, hair loss and hair thinning treatment. The Crexepil complex lotion is known by many users from the previous Simone product line. It proved to be an excellent remedy for treatment for diffuse hair loss. Lots of Trichologists and their patients in the past have benefited from this product. Therefore, the formulation of the Crexepil DeLuxe Classic lotion remains unchanged and it has acquired the name “Classic”. It contains CEGABA, a new stimulating agent for hair growth and a balanced concen-
3. ANTI-HAIR LOSS AND HAIR GROWTH STIMULATING

Dixidox DeLuxe Intense Shampoo 3.1 has beneficial influence on hair growth. It contains high concentration of placental extract, the complex of liposoluble and water soluble vitamins, a vasodilating agent and the extract of Saw Palmetto, the well-known natural antiandrogen.

Directions: Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients: Water, Alcohol Denat, Placental Protein, Thiamine HCl, Serenoa Serrulata Fruit Extract, Retinyl Palmitate, Panthenol, Inositol, Biotin, Aesculus Hippocastanum (Horse Chestnut Extract), Tocopheryl Acetate, Pyridoxine, Faex [Yeast] Extract, Riboflavin, Niacinamide

Fresh Cells DeLuxe Wondercell Lotion №3.4.3A (with Fresh Cells de Luxe Concentrate №3.4.3B)

Fresh Cells DeLuxe Wondercell Lotion has beneficial influence on hair growth. It consists of two compositions, in the form of Fresh Cells DeLuxe Wondercell Lotion 3.4.3A and Fresh Cells de Luxe Concentrate 3.4.3B which, when intermixed, demonstrate their synergistic effect. The product contains high concentration of placental extract, the complex of liposoluble and water soluble vitamins, a vasodilating agent and Saw Palmetto, the well-known natural antiandrogen.

Directions: Add concentrate (10 ml vial) to the lotion (50 ml bottle) and mix them well by shaking. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients: Water, Alcohol Denat, Placental Protein, Thiamine HCl, Serenoa Serrulata Fruit Extract, Retinyl Palmitate, Panthenol, Inositol, Biotin, Aesculus Hippocastanum (Horse Chestnut Extract), Tocopheryl Acetate, Pyridoxine, Faex [Yeast] Extract, Riboflavin, Niacinamide
Fresh Cells de Luxe Concentrate №3.4.3B

Fresh Cells de Luxe Concentrate has beneficial influence on hair growth. The Concentrate contains CEGABA, a new stimulating agent for hair growth. CEGABA N-Carboxyethyl Gamma-Aminobutyric Acid Gamma-hydroxybutyric acid is a well-known neurotransmitter present in high concentration in the brain structures. Carboxyethyl gamma-aminobutyric acid is obtained through amino acid synthesis. The substance obtained exerts stimulating activity, enhancing the mitotic activity of cells without any toxic effect. According to the data of clinical trials conducted by GATTEFOSSE SAS (France)*, the hair growth stimulating effect obtained in the group receiving CEGABA is comparable with the efficacy of minoxidil, however in the CEGABA group positive results are achieved faster and with no side effects. It is effective both as monotherapy and in combination with vitamins and amino acids. In combination with Saw Palmetto, apple stem cells, antioxidant, vitamin and mineral complex, placental and soy protein of Fresh Cells Lotion, it achieves pronounced effect of hair growth, even in severe forms of alopecia.


Directions: Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients: Water, Alcohol Denat., Hydrolyzed Soy Protein, Carboxyethyl Aminobutyric Acid, Serenoa Serrulata Fruit Extract, Malus Domestica Fruit Cell Culture, Euterpe Oleracea Pulp Powder, Niacinamide, Phospholipids, Methyl Nicotinate

Capixyl™+ Placenta Shock Deluxe Lotion №3.4.4

This lotion includes the patented complex Capixyl™ (patent No. WO 2005/009456 – US7057719). Capixyl™ is comprised of a tetrapeptide (acetyl tetrapeptide-3 is a peptide composed of four amino acids which stimulate hair growth processes, exerting a direct influence on hair follicles) and red clover (Trifolium Pratense) extract with high concentration of Biochanin A. The main red clover isoflavone Biochanin A is an effective inhibitor of 5-alpha reductase type 1 and type 2. Studies have demonstrated that Biochanin A suppresses inflammation through the blockade of activity of anti-inflammatory cytokines, in particular IL-1α. Biomimetic acetyl tetrapeptide-3 stimulates extracellular matrix protein synthesis in the area of hair papilla, exerting a direct stimulating effect on hair growth. The formula also contains salicylic acid and resorcinol which in combination allow for a pronounced anti-seborrhea, exfoliating and anti-inflammatory effect. Placental extract and extract of saw palmetto have direct stimulating and anti-androgenic effects. Hydrolyzed keratin improves the hair structure, gives hair volume and extra shine.

Directions: Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with
eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Alcohol Denat., Water, Placental Protein, Hydrolyzed Keratin, Serenoa Serrulata Fruit Extract, Trifolium Pratense (Clover) Flower Extract, Saccharomyces/Zinc Ferment, Saccharomyces/Silicon Ferment, Saccharomyces/Magnesium Ferment, Saccharomyces/Iron Ferment, Saccharomyces/Copper Ferment, Dextran, Acetyl Tetrapeptide-3, Salicylic Acid, Resorcinol.

Science-7 DeLuxe Lotion №3.4.5A

Science-7 DeLuxe Lotion contains CEGABA which exhibits stimulating properties by increasing the mitotic activity of cells without any toxic effect. Biologic extract obtained from bovine placenta stimulates hair strength and increases the oxygen consumption of epithelial cells. It contains vitamins with anti-oxidant, moisturizing and protecting properties. This lotion includes vitamins from B group that show a regulatory activity on sebaceous glands and moisturize hair and scalp. Zinc action reduces the secretion of sebaceous glands by inhibiting the 5-alpha-reductase, involved in dihydrotestosterone production and helps to avoid follicle hyperkeratinisation. Saw Palmetto Extract (Serenoa Serrulata Fruit Extract) contains carbohydrates, flavonoids, phytosterols, fatty components, tannins, amino acids, essential oils and resins. It has anti-inflammatory and antiandrogenic properties.

**Directions:** Shake well before using. Apply 2 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maximum results, use lotion after washing with Dixidox DeLuxe Intense Shampoo 3.1. In cases of intense hair loss and thinning it is recommended to combine lotion with Science-7 DeLuxe Essential Oils 3.4.5B. In this case apply Science-7 de Luxe Lotion №3.4.5A 30 min prior to the Science-7 de Luxe Essential Oils №3.4.5B.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Water, Alcohol Denat., Placental Protein, Thiamine, Serenoa Serrulata Fruit Extract, Retinyl Palmitate, Panthenol, Inositol, Carboxyethyl Aminobutyric Acid, Biotin, Aesculus Hippocastanum (Horse Chestnut Extract), Tocopheryl Acetate, Riboflavin, Pyridoxine, Faex (Yeast) Extract, Saccharomyces/Silicon Ferment, Niacinamide, Saccharomyces/Copper Ferment, Saccharomyces/Magnesium Ferment, Saccharomyces/Iron Ferment.
Science-7 DeLuxe Essential Oils consists of basic oils and essential oils complex. Jojoba oil brings shine and softness to hair, manifests regenerative and anti-dandruff effects; grape seed oil provides emollient and moisturizing properties; lavender essential oil promotes hair growth and increases the rate of wound healing, helps to strengthen hair and revive hair growth, it also regulates sebum production and is helpful for controlling dandruff; thyme essential oil is very useful in promoting hair growth and reduce hair loss; atlas cedar essential oil helps to stop hair loss, especially related to stress, it is also an excellent aromatherapy essential oil for balancing oily and dandruff scalp conditions; rosemary essential oil decreases oily secretion, prevents dandruff and stimulates hair growth.

Directions: Shake the lotion before using. Apply a few drops of the Science-7 de Luxe Essential Oils to the problem areas of the scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. Use the product on a daily basis. The treatment course lasts 3 months, unless otherwise recommended by a specialist. In cases of intense hair loss and thinning it is recommended to combine lotion with Science-7 De Luxe Essential Oils 3.4.5B. In this case apply Science-7 de Luxe Lotion 3.4.5A 30 min prior to the Science-7 de Luxe Essential Oils №3.4.5B.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients: Vitis Vinifera (Grape Seed Oil), Simmondsia Chinensis (Jojoba) Seeds Oil, Thymus Vulgaris (Thyme) Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract, Lavandula Angustifolia (Lavender) Extract, Cedrus Atlantica.

Dixidox DeLuxe Keratin Treatment Shampoo №4.1

This regenerating shampoo with keratin belongs to double-acting remedies which simultaneously stimulate hair growth and improve their structure. The shampoo contains a highly active complex of hair growth stimulators comprised of placental extract, royal jelly, vasodilating ingredients, inositol, adenosine, caffeine, cayenne
4. DOUBLE-ACTING PRODUCTS: 
HAIR GROWTH STIMULATION AND DAMAGED HAIR RESTRUCTURING

pepper extract, phytoestrogens and vitamins. Besides hair growth stimulation, the shampoo perfectly repairs damaged hair structure due to the presence of keratin, collagen and panthenol. After shampoo the hair acquire noticeable shine, strength and volume.

Directions: This shampoo can be used on everyday basis for treatment purposes and on as needed basis for prevention purposes. Gently massage shampoo into wet hair and scalp till foam develops, leave-in for a few minutes for active components to penetrate, then rinse thoroughly 2 to 5 minutes. If used less than twice a week, it is recommended to apply shampoo twice. For maximum results, it is recommended to proceed after shampoo with Dixidox DeLuxe Keratin Treatment Mask 4.3 and Dixidox DeLuxe Keratin Treatment Lotion 4.4 application.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.


Dixidox DeLuxe Triple Action Conditioner 4.2

Dixidox DeLuxe Triple Action Conditioner improves hair structure and scalp condition, it also promotes hair growth. It contains the components that enhance and regenerate the hair structure, such as shea butter, hydrolyzed collagen, keratin, aloe vera and a high concentration of panthenol. Besides hair conditioning agents product contains the ingredients designated to stimulate hair growth - a protein and mineral complex, enriched with bioavailable compounds of zinc, iron, silicon and magnesium. Its multivitamin complex includes well-known antioxidants and stimulants. The balsam also contains extract of Saw Palmetto, a well-known natural antiandrogen.

Directions: Apply an abundant amount of the product to wet scalp and hair. Distribute it using light massage motion. Comb hair using a wide-toothed comb. Rinse out after 5-15 minutes. For maximum results, it is recommended to proceed after conditioner with Dixidox DeLuxe Keratin Treatment Lotion 4.4 application.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients: Water, Cetearyl Alcohol, Cetrimonium Chloride, Alcohol Denat., Aloe Barbadensis Gel (Aloe Barbadensis Leaf Juice Powder), Hydrolyzed Keratin, Ascorbyl Palmitate, Butyrospermum Parkii (Shea Butter), Inositol, Panthenol, Retinyl Palmitate, Serenoa Serrulata Fruit Extract, Thiamine Hcl, Tocopherol Acetate, Biotin, Riboflavin, Pyridoxine, Faex (Yeast) Extract, Saccharomyces/Magnesium Ferment, Niacinamide, Saccharomyces/Iron Ferment, Saccharomyces/Copper Ferment, Saccharomyces/Zinc Ferment, Saccharomyces/Silicon Ferment, Hydrolyzed Collagen, Cocamidopropyl Betaine, Phosphoric Acid, Cetearyl Ethylhexanoate, Quaternium-80, Hydroxyethylcellulose, Dimethicone, Glycerin, Dehydroacetic Acid.
4. DOUBLE-ACTING PRODUCTS:

HAIR GROWTH STIMULATION AND DAMAGED HAIR RESTRUCTURING

**Dixidox DeLuxe Keratin Treatment Mask №4.3**

This regenerating keratin containing mask belongs to double-acting remedies which simultaneously stimulate hair growth and improve their structure. The mask contains the complex of hair growth stimulators comprised of adenosine and caffeine, as well as cayenne pepper extract, vitamins and vasodilating ingredients. In addition to hair growth stimulation, this mask exerts a deep influence on the hair structure, as well as restores damaged hair due to its high concentration of keratin and lecithin. After this mask hair acquire noticeable shine, strength and volume.

**Directions:** Apply an abundant amount of the product to wet scalp and hair. Distribute it using light massage motion. Comb hair using a wide-toothed comb. Rinse out after 5-15 minutes. For maximum results, it is recommended to proceed after mask with Dixidox DeLuxe Keratin Treatment Lotion 4.4 application.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Faex (Yeast Extract), Thiamine Hcl, Pyridoxine, Nicotinamide, Riboflavin, Caffeine, Hydrolyzed Keratin, Lanolin, Adenosine, Lecithin, (Capsicum Frutescens) Extract.

**Dixidox DeLuxe Keratin Treatment Lotion №4.4**

This regenerating keratin containing lotion belongs to double-acting remedies which simultaneously stimulate hair growth and improve its structure. The lotion contains a blend of hair growth stimulants comprising placental extract, vasodilating ingredients, cayenne pepper extract, caffeine, B-group vitamins and yeast extract. Exerts a beneficial influence on the scalp susceptible to seborrheic dermatitis, exfoliates keratinized epithelium, eliminates seborrhea, and provides an antiseptic effect owing to synergism between salicylic acid and resorcinol. Revitalizes and repairs the damaged hair structure due to high concentration of hydrolyzed keratin and collagen. After using the lotion, the hair acquires shine, strength and volume for a long time.

**Directions:** Shake well before using. Apply 2-4 ml of lotion to dry or wet scalp and distribute it using light massage motion. Do not rinse, allow the active ingredients to exert their curative effects. The treatment course lasts 3 months, unless otherwise recommended by a specialist. For maxi-
4. DOUBLE-ACTING PRODUCTS: 
HAIR GROWTH STIMULATION AND DAMAGED HAIR RESTRUCTURING

maximum results, use lotion after washing with Dixidox DeLuxe Keratin Treatment Shampoo 4.1 and using Dixidox DeLuxe Keratin Treatment Mask 4.3.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients:
Water, Cyclotetrasiloxane, Cyclopentasiloxane, Polyacrylamide, Dimethicone, Camellia Sinensis (Green Tea) Leaf Extract, Thiamine HCl, Camelia Oleifera (Thea Sinensis Extract), Citrus Medica Limonum Fruit Extract, Glycine Soja (Soybean) Seed Extract, Hexapeptide-11, Hexylene Glycol, Hydrolyzed Keratin, Pyrus Malus (Apple) Fruit Extract, Saccharum Officinarum (Sugar Cane) Extract, Betaine, Riboflavin, Pyridoxine, Faex (Yeast) Extract, Adenosine, Saccharomyces/Magnesium Ferment, Niacinamide, Polyquaternium 7, Saccharomyces/Copper Ferment, Saccharomyces/Silicon Ferment, Saccharomyces/Zinc Ferment, Saccharomyces/Iron Ferment, Lecithin, Laureth-7, C13-14 Isoparaffin, Peg/Ppg-18/18 Dimethicone, Glycerin.

Dixidox DeLuxe Keratin Treatment Serum № 4.5

Dixidox DeLuxe Keratin Treatment Serum belongs to the double-acting treatments, which stimulate hair growth and improve their structure at the same time. Due to the high concentration of green tea extract this lotion stimulates the activity of cells in the follicular papilla and hair growth simultaneously. Soy isoflavones in combination with the vitamin and mineral complex prolong the growth phase of hair. Keratin is highly substantive and promotes rapid recovery of damaged hair. Adenosine, contained in nanosomes, stimulates DNA synthesis and also has excellent moisturizing properties. When applied to the skin, the product has pronounced anti-inflammatory effects. After this serum application, your hair will gain noticeable brilliance, strength and volume for a long time, they will be easy to comb.

Directions: Apply a small amount of serum on damp or dry hair. Distribute it carefully with light massage motion. Comb your hair using a wide-toothed comb. Do not rinse. For maximum results, use lotion after washing with Dixidox DeLuxe Keratin Treatment Shampoo 4.1 and using Dixidox DeLuxe Keratin Treatment Mask 4.3.

Precautions: Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

Ingredients:
Resorcinol, Salicylic Acid, Caffeine, Hydrolyzed Keratin, Hydrolyzed Collagen, Placental Protein, (Capsicum Frutescens) Extract, Faex (Yeast Extract), Thiamine Hcl, Pyridoxine, Niacinamide, Riboflavin.
5. RESTRUCTURING PRODUCTS FOR DAMAGED HAIR

**Dixidox DeLuxe Steel and Silk Treatment Shampoo №5.1**

This regenerating shampoo is intended to restore the structure of the hair damaged as a consequence of aggregate exposure to unfavorable ecological, thermal and chemical factors, including hair dyeing and excessive solar and heat exposure. High concentration of active ingredients such as phospholipids, sphingolipids, collagen, keratin, hydrolyzed silk, royal jelly extract, algae and vitamins helps to restore the hair structure, both at the levels of the cuticle and keratin fibrils in the cortex. It moisturizes hair without weighting it down. After this shampoo, your hair acquire healthy appearance, get moisturized, become shiny, resilient and voluminous.

**Directions:** This shampoo can be used on everyday basis for treatment purposes and on as needed basis for prevention purposes. Gently massage shampoo into wet hair and scalp till foam develops, leave-in for a few minutes for active components to penetrate, then rinse thoroughly 2 to 5 minutes. If used less than twice a week, it is recommended to apply shampoo twice. For maximum results, it is recommended to proceed after shampoo with Dixidox DeLuxe Steel and Silk Treatment Balsam 5.2 and once a week usage of Dixidox DeLuxe Steel and Silk Treatment Mask 5.3 instead of the balsam applications. For full completion of the hair care procedure, apply to the scalp and hair Dixidox DeLuxe Steel and Silk Treatment Spray 5.5.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Phospholipids, Sphingolipids, Mel (Honey Extract), Royal Jelly Extract, Orchis Mascula (Orchis Mascula Extract), Hydrolyzed Collagen, Hydrolyzed Keratin, Faex (Yeast Extract), Thiamine Hcl, Pyridoxine, Niacinamide, Riboflavin, Ascorbil Palmitate, Tocopheryl Acetate, Aesculus Hippocastanum, Biotin, Panthenol, Inositol, Hydrolyzed Rhodophycea Extract, Plankton Extract – Phaeodactylum Tricornortum, Hydrolyzed Silk.

**Dixidox DeLuxe Steel and Silk Treatment Balsam 5.2**

This regenerating balsam is intended to restore the structure of the hair damaged as a consequence of aggregate exposure to unfavorable ecological, thermal and chemical factors, including hair dyeing and excessive solar and heat exposure. High concentration of active ingredients such as phospholipids, sphingolipids, collagen, keratin, hydrolyzed silk, royal jelly extract, algae and vitamins helps to restore the hair structure, both at the levels of the cuticle and keratin fibrils in the cortex. It moisturizes hair without weighting it down. After this balsam, your hair acquire healthy appearance, get moisturized, become shiny, resilient and voluminous.

**Directions:** Apply an abundant amount of the product to wet hair, uniformly distribute it all over hair length, comb hair using a wide-toothed comb. Be especially careful when handling longer hair tips. Rinse out after 5-15 minutes. For maximum results, it is recommended to use this balsam after Dixidox DeLuxe Steel and Silk Treatment Shampoo 5.1. For full completion of the hair care procedure, apply to the scalp and hair Dixidox DeLuxe Steel and Silk Treatment Spray 5.5.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Phospholipids, Sphingolipids, Ethylhexyl Methoxycinnamate, Hydrolyzed Silk, Orchis Mascula (Orchis Mascula Extract).
5. RESTRUCTURING PRODUCTS FOR DAMAGED HAIR

Dixidox DeLuxe Steel and Silk Treatment Mask 5.3

The regenerating mask is intended to restore the structure of the hair damaged as a consequence of aggregate exposure to unfavorable ecological, thermal and chemical factors, including hair dyeing and excessive solar and heat exposure. High concentration of active ingredients such as phospholipids, sphingolipids, collagen, keratin, hydrolyzed silk, royal jelly extract, algae and vitamins helps to restore the hair structure, both at the levels of the cuticle and keratin fibrils in the cortex. It moisturizes hair without weighing it down. After this balsam, your hair acquire healthy appearance, get moisturized, become shiny, resilient and voluminous.

**Directions:** Apply an abundant amount of the product to wet scalp and hair. Distribute it using light massage motion. Comb hair using a wide-toothed comb. Rinse out after 5-15 minutes. In case of marked damages to hair structure, the mask can be used up to 3 times a week. In other cases, it is recommended to use the mask once a week. For maximum results, it is recommended to use this mask after Dixidox DeLuxe Steel and Silk Treatment Shampoo 5.1. For full completion of the hair care procedure, apply to the scalp and hair Dixidox DeLuxe Steel and Silk Treatment Spray 5.5.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Phospholipids, Sphingolipids, Faex (Yeast Extract), Thiamine Hcl, Pyridoxine, Niacinamide, Riboflavin, Hydrolyzed Keratin, Lanolin, Hydrolyzed Silk, Orchis Mascula (Orchis Mascula Extract).

Dixidox DeLuxe Steel and Silk Treatment Spray 5.5

This regenerating spray is intended for careful but effective and deep scalp and hair treatment. It provides a calming, anti-itching and moisturizing effect, freshens the skin, reduces and eliminates the negative effects on the scalp and hair bulbs produced by ecological factors, chlorinated water and certain cosmetic and medicinal preparations based on aggressive ingredients. The spray contains menthol, hydrolyzed silk, nucleotides and the complex of fruit acids.

**Directions:** Shake the spray before using. Spray all over the scalp and hair, do not rinse. For maximum results, it is recommended to use this spray after Dixidox DeLuxe Steel and Silk Treatment Shampoo 5.1, Dixidox DeLuxe Steel and Silk Treatment Balsam 5.2 and Dixidox DeLuxe Steel and Silk Treatment Mask 5.3. The spray can be also used after applying any irritating medicinal preparations to the scalp in order to calm it down. In this case, use the spray 30 minutes after applying a preparation.

**Precautions:** Do not swallow. The product is exclusively for external use only. Do not use if you are hypersensitive to any of the ingredients in the formula. Avoid contact with eyes, if product spills - immediately rinse abundantly with plenty of lukewarm water. No contraindications. No interactions. No side effects have been noted.

**Ingredients:** Menthol, Hydrolyzed Silk, Hydrolyzed Keratin, Hydrolyzed Rna, Hydrolyzed DNA, AHA (Alpha Hydroxy Acids).
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