

BRIGHTENING & ANTI-AGEING
PEPTIDE-BASED SENOLYTIC
PROGRAM

AGAINST HYPERPIGMENTATION
AND PREMATURE AGEING



AGEMELAN HOLISTIC

- Reduction of hyperpigmentation and evening out of the skin tone
- Antioxidant and anti-inflammatory skin renewal
- Detoxification and removal of "zombie cells" from fibroblasts
- Effective protection and strengthening of the skin barrier

PHOTO-DYNAMIC METHOD PDT LASER LLLT / LED 650nm / 525nm,
THERMO METHOD, MICRO-NEEDLE METHOD, SONOPHORESIS, MANUALLY

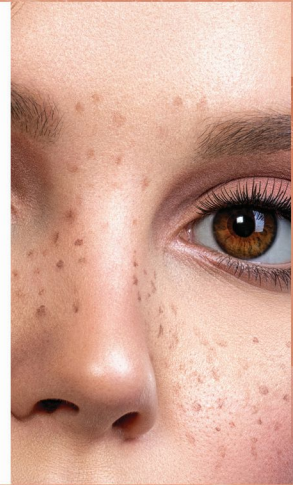
CAUSES OF SKIN PIGMENTATION DISORDERS – HYPERPIGMENTATION

Melanin is a pigment that protects the skin against the sun's UV radiation. Melanin is produced by skin cells, melanocytes, in the process of melanogenesis. Disturbance of this process leads to pigmentation changes. Hyperpigmentation, including photo-ageing spots, age-related spots, post-inflammatory spots, freckles and melasma, is the result of overproduction and/or uneven distribution of melanin in the skin. Melanin production is thus a protective response of skin cells against the damage that has occurred.

Superficial lesions are located in the epidermis, while deep lesions involve the dermis. They most often occur on the face, neck, décolleté, hands, and in the case of melasma they are concentrated on the forehead, cheeks, and nose.

Sunlight is considered to be the main factor activating the formation of hyperpigmentation, but there are additional coexisting factors such as:

- internal 'objective' factors: genetic, hormonal, skin photo-type and skin age, lifestyle and stress, medications taken;
- and external factors: UV radiation and photo-damage, pathogens and post-inflammatory lesions, environmental pollution, smog and chemical damage, improper cosmetics and household chemicals, poor skincare.



EFFECT OF THE SKIN'S CONDITION ON THE FORMATION OF HYPERPIGMENTATION

The formation of hyperpigmentation nowadays is also linked to the poor condition of the epidermal barrier, age-related deterioration of the quality of elastic fibres and the quality of the dermal-epidermal junction (DEJ). This contributes to the deterioration of the skin's protective function against external factors, including sun and inflammation-related damage. Recent studies show that the skin barrier is more permeable to these factors due to its reduced immunity. The biggest problem is the recurrence of hyperpigmentation.

AGEMELAN HOLISTIC

INTENSIVE SKIN RENEWAL AND PROTECTION HYPERPIGMENTATION AND UNEVEN SKIN TONE REDUCTION

Indications

- hyperpigmentation of various kind, including sun spots, hormonal hyperpigmentation, melasma, freckles
- all skin types with uneven skin tone and signs of photo-ageing
- loss of radiance and vitality, visible deterioration of skin condition
- grey, dull, flabby skin without energy
- exposure to oxidative stress
- exposure to UV radiation and environmental pollution
- also recommended before and after aesthetic medicine treatments against hyperpigmentation – laser therapy and dermatological peels

Effects

- reduction of pigmentation changes – hyperpigmentation and uneven skin tone
- stimulation of cellular cleansing – detoxification
- antioxidant, anti-inflammatory and anti-ageing properties
- renewal of skin structures, damage to which causes and aggravates pigmentation changes
- strengthening of the skin's protective barrier against free radicals, bacteria and effects of damage



AGEMELAN HOLISTIC is a comprehensive dermotherapy against hyperpigmentation and premature ageing. It focuses not only on the reduction of the resulting skin damage manifesting itself as pigmentation changes, but primarily on:

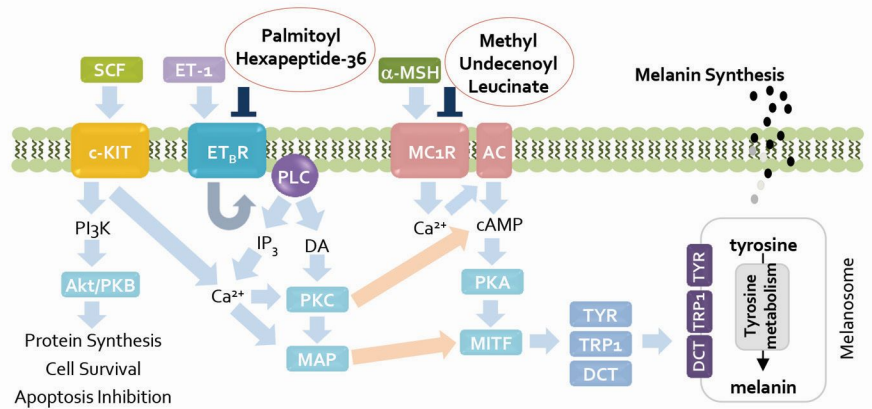
- correcting melanogenesis pathways and inhibiting the pathway responsible for excess pigment formation, and
 - improving the condition of the skin and its protective barrier function, the weakening of which causes the emergence and worsening of these changes, as well as the frequent recurrence of the problem.
- This is a holistic program for regaining rejuvenated and elastic skin, free of hyperpigmentation and with an even skin tone.

HOW DOES THIS DERMO-THERAPY WORK

AGEMELAN HOLISTIC

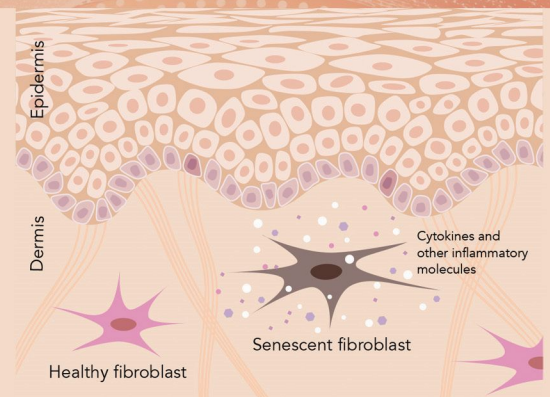
PEPTIDE TYROSINASE INHIBITORS

counteract hyperpigmentation and premature skin ageing, reduce pigmentation changes: hyperpigmentation and uneven skin tone. The products contain **Melan Inhibitor 2-Peptide System** – a complex of two brightening peptides that act synergistically. It reduces melanogenesis by inhibiting key melanogenic pathways and effectively reduces spots and hyperpigmentation. It also has anti-inflammatory properties protecting the skin against environmental stimuli such as UV radiation.



INNOVATIVE SENOLYTIC CONCEPT AGAINST PRO-INFLAMMATORY "ZOMBIE CELLS"

Protection of proteins for renewal of collagen and skin structures, damage to which causes and aggravates pigmentation changes. The active ingredient **Senolytic Proteome Youth Extract** eliminates senescent pro-inflammatory cells, the so-called "zombie cells" that accelerate the ageing of other skin cells. It protects the structure of proteome-forming proteins from oxidative damage (carbonylation) and slows the process of accelerated ageing, collagen degradation and loss of elasticity.



PROTECTION AND STRENGTHENING OF THE SKIN'S PROTECTIVE LAYER

The active formula contains an antibacterial and antioxidant peptide-based system Nisinoid®. It has rejuvenating and regenerative properties with scientifically proven efficacy. It enhances the protection of the microbiome and skin barrier functions against the effects of inflammatory and oxidative damage.

THE LOWER SLIGHTLY ACIDIC pH of the products strengthens the skin's protective barrier against pathogens (harmful bacteria, fungi, moulds), and stimulates anti-inflammatory protection and enzyme activity. It is the first line of defence against bacteria, the effects of UV radiation and environmental pollutants (dryness, collagen damage, wrinkles, hyperpigmentation).

MULTI-LEVEL MOISTURISATION thanks to the use of 3D hyaluronic acid. This unique formula contains three types of hyaluronic acid with different molecular weights. It has a moisturising effect on many levels of the skin, providing comprehensive care, maximum hydration and smoothing. At the same time, it improves its elasticity and firmness.

ANTIOXIDANT AND DEPIGMENTARY INGREDIENTS promote skin brightening and even the skin tone. These are, among others, vitamin C (SAP, ascorbic acid), bearberry, turmeric and green tea extracts and vitamin E.

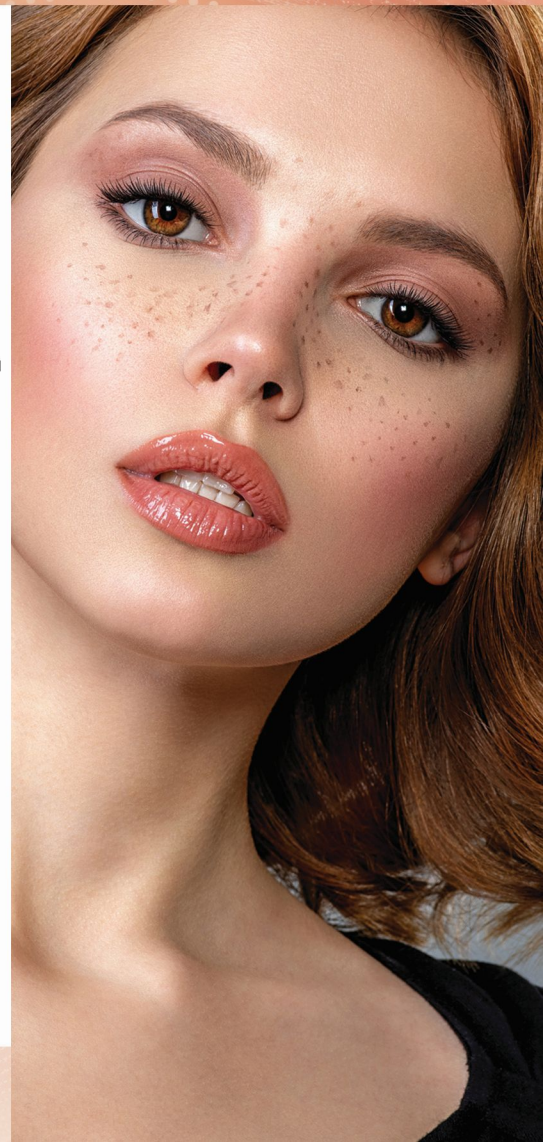
ENZYMATIC PEELING or DERMABRASION for topical exfoliation of hyperpigmented skin and faster removal of melanin. It can be replaced with acid peels depending on the type and sensitivity of the skin and the location and depth of the hyperpigmentation.

LLLT LASER PDT TREATMENT / THERMO TREATMENT / MICRO-NEEDLES (up to 0.5mm) intensify the treatment effects in the fight against hyperpigmentation, while rejuvenating the skin and stimulating its metabolic processes. These methods are safe, non-invasive, especially for skin with melasma, which shows greater vascularisation and involves a greater risk of inflammatory damage.

BIO-CHROMOPHORES (650nm and 525nm)

developed by Chantarelle for photodynamic PDT LLLT LASER or LED treatments:

- red light 650nm – improves tissue metabolism, stimulates healing processes, stimulates fibroblasts, reduces wrinkles, increases cellular absorption of active substances contained in cosmetics
- green light 525nm – inhibits melanogenesis, brightens and reduces hyperpigmentation, improves micro-circulation.



GOALS OF AGEMELAN HOLISTIC

- **REDUCTION OF PIGMENTATION CHANGES** regulation of melanogenesis – inhibition of tyrosinase activity
- **REMOVAL OF 'ZOMBIE CELLS' FROM FIBROBLASTS** and protection of protein structure
- **RENEWAL OF COLLAGEN AND SKIN STRUCTURE** strengthening of the skin barrier function and improvement of its integrity
- **DETOXIFICATION AND REPAIR** of damage caused by free radicals, smog, chemicals, bacteria
- **SLIGHTLY ACIDIC pH 4.5** restoration of the acid-base balance of the skin, protection against pathogens
- **STRONG MULTI-LEVEL MOISTURISATION** in all skin layers
- **RESTORATION OF PROPER KERATINISATION CYCLE** and proper exfoliation of skin cells
- **REDUCTION OF PIGMENTATION CHANGES BY EXFOLIATION** enzymatic peel, granular scrub or acids

TREATMENT SCHEME

TREATMENT FOR THE FACE AND DÉCOLLETÉ

1. Cleanse the skin with **AGEMELAN** milk, wash off with water, tone the skin with **AGEMELAN** toner.
2. Use the selected **AGEMELAN** peel: enzymatic or granular scrub. After washing off the peel, tone the skin again.

In combined therapies:

- We particularly recommend the **PDT PLATINUM PEEL & CURE – MELANER**, **SENSITER** or **AGE CLINIC** chemical laser peel.
- In the case of strong acids, such as those from the M-acid group, it is important to keep in mind the possible inflammatory reaction that can cause an increase in pigmentation changes, especially with melasma and a tendency to scarring.
- Please remember that any invasive treatment can lead to excessive melanin synthesis. Therefore, we recommend starting the treatment series with milder peels and moving to stronger ones in subsequent treatments.

3. Use a selected method to introduce: **PDT THERMO serum pH 4.5**
Application: **PDT LASER LLLT/LED 650nm/525nm** or **THERMO** up to 42°C, **micro-needle** up to 0.5mm, by **sonophoresis** or **manually**.

4. Apply **AGEMELAN** mask for 15–20 minutes. It can be used under the plastic mask. Remove any excess with a cosmetic tissue, do not wash off.

5. At the end of the treatment, apply **AGEMELAN SPF 25 UVA/UVB** day cream.

TREATMENT FOR SKIN AROUND EYES

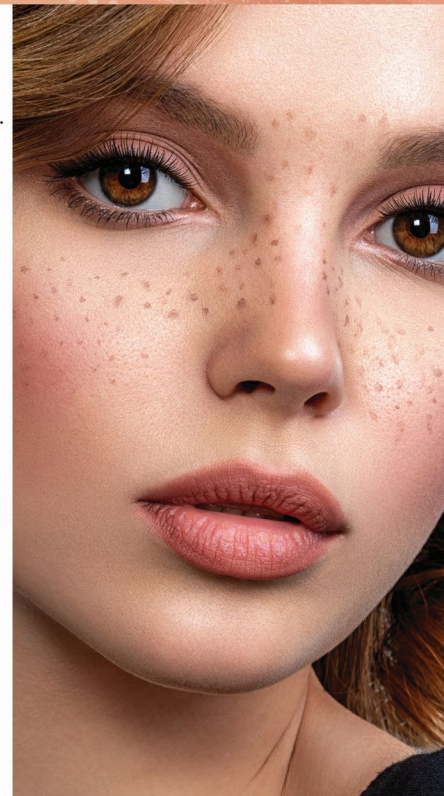
1. Cleanse the skin with eye make-up remover from the **SPECIAL AESTHETICS** line.
2. Use a selected method to introduce the **PDT THERMO eye serum pH 4.5**:
Application: **PDT LASER LLLT/ LED 650nm** or **THERMO** up to 41°C or by **sonophoresis** or **manually**
Important! Make sure to only work in the area of the bone system under the eyes and on the forehead. Do not use the probe on the movable lower or upper eyelid.
3. At the end of the treatment, apply **AGEMELAN** eye cream pH 4.5.

All products have pH 4.5.
Tone the skin every time after using water

Frequency: 1 x week; number of treatments in one series: 5
Treatment duration: up to 60 minutes

IMPORTANT INDICATIONS

- Protection from sunlight required
- Systematic home skincare required



AGEMELAN HOLISTIC PRODUCTS

The lower 4.5 pH of the products strengthens the skin's protective barrier against pathogens and damage.

TREATMENT PRODUCTS & HOME CARE



SPOT BRIGHTENING & ANTI-AGEING CLEANSING MILK pH 4.5, Anti-Inflammatory & Anti-Oxidant, Dermal Barrier Protect, against hyperpigmentation and premature ageing
It effectively and gently cleanses the skin while brightening the skin tone and hyperpigmentation, strengthens the skin barrier.
CP0125 500ml, CD0125 200ml

Nisinioxid®,
Allantoin VC,
green tea extract,
vitamin E



SPOT BRIGHTENING & ANTI-AGEING TONER pH 4.5, Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
It helps maintain the proper pH of the skin for strengthening the protective action of the hydro-lipid barrier. It reduces symptoms of inflammatory changes such as redness, and evens out the skin tone. It eliminates pro-inflammatory senescent cells, the so-called 'zombie cells', that accelerate the ageing of other skin cells. It protects proteins against oxidative damage.
CP0225 500ml, CD0225 200ml

Senolytic Proteome Youth Extract,
Nisinioxid®, vitamin C (SAP),
Allantoin VC, 3D hyaluronic acid,
green tea extract, vitamin E



SPOT BRIGHTENING & ANTI-AGEING, ASCORBIC ENZYME PEEL pH 4.5, Anti-Inflammatory Anti-Oxidant Dermal Barrier Protect, against hyperpigmentation and premature ageing
It thoroughly cleanses the skin of dead skin cells, brightens and evens out the skin tone and spots, and prepares the skin for the penetration of active substances.
CP0418 200ml, CD041850 50ml

papain, Nisinioxid®,
vitamin C (ascorbic acid),
Allantoin VC, green tea
and soapberry extracts,
avocado oil, vitamin E



ASCORBIC SCRUB PEEL SPOT BRIGHTENING & ANTI-AGEING pH 4.5, Anti-Inflammatory Anti-Oxidant, Dermal Barrier Protect, against hyperpigmentation and premature ageing
It thoroughly cleanses the skin of dead skin cells, reduces spots and hyperpigmentation and prepares the skin for the penetration of active substances.
aktywnych. CP0419 200ml

sapphire powder,
Nisinioxid®,
vitamin C (ascorbic acid),
vitamin E, avocado oil



PDT THERMO SPOT BRIGHTENING & ANTI-AGEING EYE SERUM pH 4.5, Tyrosinase Inhibitory Peptides and Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
It strongly brightens hyperpigmentation and evens the skin tone by inhibiting major melanogenic pathways. It reduces redness and signs of inflammatory changes. At the same time, its senolytic action eliminates senescent cells, the so-called 'zombie cells'. It counteracts premature ageing, protects the skin barrier against oxidative damage including hyperpigmentation, increases elasticity and deeply hydrates.
Application: PDT LASER LLLT / LED 650nm or THERMO up to 41 degrees C or by sonophoresis or manually.
CP0637 10ml

Melan Inhibitor 2-Peptide System,
Senolytic Proteome Youth Extract,
Nisinioxid®, Neuro-Spot,
Ultra-Lift Hydroxyproline,
Allantoin VC, vitamin C (SAP),
turmeric extract, bearberry extract,
marigold extract, vitamin E,
bio-chromophores



PDT THERMO SPOT BRIGHTENING & ANTI-AGEING SERUM pH 4.5, Tyrosinase Inhibitory Peptides and Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
The highly concentrated serum effectively brightens hyperpigmentation of various kind by inhibiting major melanogenic pathways. It contains a system of two synergistic whitening peptides with skin brightening and anti-inflammatory properties, effectively inhibiting the melanogenesis pathway and the formation of pigmentation changes. It effectively inhibits the activity of tyrosinase and melanin. It eliminates senescent cells, the so-called 'zombie cells', that cause inflammation and damage due to degradation – including collagen damage.
Application: PDT LASER LLLT / LED 650nm / 525nm or THERMO up to 42 degrees. C or by micro-needle method up to 0.5 mm or by sonophoresis or manually. CP1891 30ml

Melan Inhibitor 2-Peptide System,
Senolytic Proteome Youth Extract,
Nisinioxid®, 3D hyaluronic acid,
vitamin C (SAP),
vitamin C (ascorbic acid),
Allantoin VC, turmeric extract,
green tea extract, bearberry extract,
vitamin E, bio-chromophores



SPOT BRIGHTENING & ANTI-AGEING MASK pH 4.5, Tyrosinase Inhibitory Peptides, against hyperpigmentation and premature ageing
The mask reduces pigmentation spots, as well as redness and signs of inflammatory changes, and evens out the skin tone. It has antioxidant, detoxifying and repairing properties, while rejuvenating the skin and strongly moisturising it. In addition, it protects the skin barrier against cellular stress and damage
CP0857 200ml

Melan Inhibitor 2-Peptide,
Nisinioxid®, Allantoin VC,
vitamin C (ascorbic acid),
turmeric extract, bearberry extract,
3D hyaluronic acid, Shea butter,
vitamin E, avocado oil



SPOT BRIGHTENING & ANTI-AGEING DAY CREAM SPF25 UVA/UVB pH 4.5, Tyrosinase Inhibitory Peptides and Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
This day cream has strong hyperpigmentation-brightening properties, reduces redness and signs of inflammatory changes and evens out the skin tone. It effectively inhibits the activity of tyrosinase and the formation of hyperpigmentation. It also has a senolytic effect, reducing inflammation and rejuvenating the skin. It eliminates senescent cells, the so-called 'zombie cells', that cause inflammation and damage due to degradation – including collagen damage.
CD1469 50ml

Melan Inhibitor 2-Peptide System,
Senolytic Proteome Youth Extract,
Nisinioxid®, vitamin C (SAP),
Allantoin VC, 3D hyaluronic acid,
bearberry extract, avocado oil,
vitamin E, SPF 25 UVA/UVB filters



SPOT BRIGHTENING & ANTI-AGEING NIGHT CREAM pH 4.5, Tyrosinase Inhibitory Peptides and Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
This night cream has a holistic action to brighten hyperpigmentation, slow down skin ageing, regenerate and protect the skin. It reduces melanogenesis by inhibiting key melanogenic pathways and effectively reduces spots and hyperpigmentation. It eliminates senescent cells, the so-called 'zombie cells', that cause inflammation and damage due to degradation – including collagen damage. It has antioxidant, detoxifying and repairing properties, while rejuvenating the skin and strongly moisturising it.
CD1470 50ml

Melan Inhibitor 2-Peptide System,
Senolytic Proteome Youth Extract,
Nisinioxid®, vitamin C (SAP),
vitamin C (ascorbic acid),
Allantoin VC, turmeric extract,
bearberry extract,
3D hyaluronic acid, avocado oil,
vitamin E



SPOTLESS SERUM pH 4.5 SPOT BRIGHTENING & ANTI-AGEING pH 4.5, Tyrosinase Inhibitory Peptides and Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
This potent serum strongly brightens hyperpigmentation by inhibiting major melanogenic pathways. It contains a system of two peptides with skin brightening and anti-inflammatory properties, inhibiting the melanogenesis pathway and the formation of pigmentation changes. It eliminates senescent cells, the so-called 'zombie cells', that cause inflammation and damage due to degradation – including collagen damage. It increases the protection of the structure of proteome-forming proteins from damage caused by reactive oxygen species.
CD1468 30ml

Melan Inhibitor 2-Peptide System,
Senolytic Proteome Youth Extract,
Nisinioxid®, vitamin C (SAP),
vitamin C (ascorbic acid),
Allantoin VC, turmeric extract,
bearberry extract,
3D hyaluronic acid, vitamin E



SPOT BRIGHTENING & ANTI-AGEING EYE CREAM pH 4.5, Tyrosinase Inhibitory Peptides and Senolytic Zombie Cells Detox, against hyperpigmentation and premature ageing
This eye cream strongly brightens hyperpigmentation by inhibiting major melanogenic pathways. It eliminates senescent cells, the so-called 'zombie cells', that cause inflammation and damage due to degradation – including collagen damage. At the same time, it protects the skin proteins against oxidative damage and its consequences. It reduces redness and signs of inflammatory changes and evens the skin tone.
CD063815 15ml

Melan Inhibitor 2-Peptide System,
Senolytic Proteome Youth Extract,
Nisinioxid®, Neuro-Spot,
Ultra-Lift Hydroxyproline,
vitamin C (SAP), Allantoin VC,
turmeric extract, bearberry extract,
marigold extract, avocado oil,
3D hyaluronic acid, vitamin E

ACTIVE INGREDIENTS

MELAN INHIBITOR 2-PEPTIDE SYSTEM

is a complex of two peptides: Palmitoyl Hexapeptide-36 and Methyl Undecenoyl Leucinate. It has a synergistic action reducing melanogenesis by inhibiting key melanogenic pathways and is effective in reducing hyperpigmentation. It also has anti-inflammatory properties protecting the skin against environmental stimuli, such as UV radiation. It effectively inhibits UV-induced tyrosinase expression and production and slows down melanin production. It has no cytotoxic action and does not cause irritation or allergic reactions.

SENOLYTIC PROTEOME YOUTH EXTRACT

is extracted from the leaves of Swiss Alpine rose. It gives a powerful skin rejuvenation effect based on the innovative concept of using senolytics in anti-ageing therapies. It improves the skin's regenerative capacity, eliminates senescent "zombie cells" that cause inflammation and degradation-related damage. It protects the structure of proteome-forming proteins from damage (carbonylation) caused by reactive oxygen species (ROS). It visibly reduces redness and improves skin elasticity.

NISINOXID®

proprietary anti-bacterial and anti-oxidant peptide system developed by the Chantarelle experts. It has rejuvenating and regenerative properties and has been scientifically proven to be efficacious against Gram-positive and Gram-negative bacteria, moulds and fungi. It counteracts aggressive free radicals and the effects of damage, including hyperpigmentation.

VITAMIN C (SAP - SODIUM ASCORBYL PHOSPHATE)

this highly stable derivative of vitamin C is metabolised at over 95% to form ascorbic acid in the skin after only 2 minutes, which further penetrates into the deeper layers of the skin. Thanks to its properties of inhibiting melanin synthesis and acting against free radicals, it helps protect the skin from photo-damage. It is a strong antioxidant.

VITAMIN C (ASCORBIC ACID)

has a brightening, anti-free radical and photoprotective effect against UV radiation and aggressive free radicals. It lightens hyperpigmentation and evens the skin tone. It rejuvenates the skin, stimulates collagen renewal, strengthens blood vessels.

ALLANTOIN VC

a complex of ascorbic acid and allantoin. It combines the brightening, antioxidant and anti-ageing effects of vitamin C with the soothing and moisturising effects of allantoin. The complex protects the skin against free radicals and UV damage.

NEURO-SPOT

extracted from sea daffodil, this is a neuro-active ingredient that reduces hyperpigmentation. The innovative mechanism of action inhibits melanin synthesis by inhibiting melanin synthesis induced by keratinocytes and by inhibiting neural factor-induced melanin production.

ULTRA-LIFT HYDROXYPROLINE

is a vector of Hydroxyproline, a key element in collagen structure, which has a triple anti-ageing, firming and moisturising effect. It plays a key role in collagen synthesis and stability, and reduces wrinkles caused by skin dehydration.

3D HYALURONIC ACID

a unique formula that contains three types of hyaluronic acid with different molecular weights. It effectively moisturises the skin on many levels, providing comprehensive care, maximum hydration, smoothing, and protection.

TURMERIC EXTRACT

brightens blemishes and lightens the skin tone, and has anti-inflammatory, anti-bacterial and anti-oxidant properties.

BEARBERRY EXTRACT

inhibits melanogenesis by reducing the activity of tyrosinase, the enzyme responsible for melanin production. As a result, it inhibits the formation of hyperpigmentation.

GREEN TEA EXTRACT

has strong anti-oxidant properties, and helps regenerate and repair skin damage. It soothes irritation, reduces swelling and redness. It improves blood circulation and strengthens blood vessels.

THE ACTIVE FORMULA ALSO CONTAINS: EXTRACTS OF MARIGOLD, SOAPBERRY, PAPAIN, AVOCADO OIL, SHEA BUTTER, VITAMIN E.

BIO-CHROMOPHORES

are of plant origin and were developed by Chantarelle experts. They are components of photosensitive formulations for PDT LASER or LED photodynamic therapies. They have a special ability to absorb light of a specific wavelength. When applied to the skin area, they maximise the efficiency of the metabolism and the absorption of the active ingredients contained in the formulations.

