

# INFINITY INGREDIENTS

Inspiring Cosmetics

**Vegan Certified**



## Vegan Certified

### A comprehensive range of Vegan Certified Ingredients.

Vegan products do not contain animal products or by-products and have not been tested on animals. Certified Vegan products are becoming increasingly popular within the cosmetics industry and whilst many products are Vegan compatible, not many are certified.

To enable Vegan conscious consumers to shop with ease many brands are opting to certify their products with The Vegan Society. The addition of their logo on pack enables products to be easily identified without consumers having to constantly check INCI lists and even then, it is not so straight forward!

We at Infinity Ingredients are proud to offer a vast number of Vegan compliant (please contact us for further information) and a growing number of Vegan certified products as part of our portfolio to meet this trend.

Please read on to find out which products are Vegan certified...

### Abyssine<sup>®</sup> PF

(INCI: Water, Butylene Glycol, Alteromonas Ferment Extract)

Reduces skin reactivity and discomfort from shaving as well as providing protection against UV-damage, allergic reactions and mosquito bites (anti-histamine treatment).

Abyssine<sup>®</sup> PF soothes post-shave, irritated and sun burnt skin making it the ideal option for the protection of sensitive and itchy skin.

For acne patients taking Retinol drugs, Abyssine<sup>®</sup> PF reduces skin discomfort, dryness and flakeyness.

Recommended usage level: 0.5 - 5%

### Actimilk<sup>™</sup> Apricot

(INCI: Water, Prunus Armeniaca (Apricot) Kernel Oil, Glycerin, Lysolecithin)

Made from organic oil obtained by a cold pressing process from upcycled apricot kernels (food industry waste). Rich in oleic acid and linoleic acid, Vitamins A & E, Actimilk<sup>™</sup> Apricot is an active plant milk that helps to reduce the inflammatory cascade, protect skin barrier, rebalance dry skin and avoid the delipidating effect of surfactant-based formulas (even in rinse-off applications) for soothed, soft and supple skin.

Recommended usage level: 1-5%

## Actimilk™ Argan

(INCI: Water, Argania Spinosa Kernel Oil, Glycerin, Lysolecithin)

Obtained from Organic Virgin oil from cold pressing of argan seeds which are exceptionally rich in vitamin E, Actimilk™ Argan improves softness, frizz and manageability of damaged hair in both rinse-off and leave-on applications, leaving hair less coarse, smoother and easier to comb

Recommended usage level: 1-5%

## Australian Tea Tree Oil WS

(INCI: Water, PEG 40 Hydrogenated Castor Oil, Polysorbate 20, Melaleuca Alternifolia (Tea Tree) Oil)

Australian Tea Tree Oil WS is an aqueous micro-emulsion of Tea Tree Oil. It has a broad spectrum antimicrobial and anti-inflammatory activities specially developed for products aimed at problem of skin and scalp.

Recommended usage level: Skin Care: 5-10%; After-sun Care: 5-10%; Hair Care and problem scalp: 5-10%; Toiletries: 5-10%; Deodorant: 1-5%; Preservative booster: 3%

## Actimilk™ Sweet Almond

(INCI: Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Glycerin, Lysolecithin)

Obtained from pressing the seeds of the almond tree (almond nuts), and rich in oleic acid and linoleic acid, Vitamins A & E, Actimilk™ Sweet Almond is an active plant milk that moisturises for up to 24 hours after a single application for nourished and smoothed skin.

Recommended usage level: 1-5%

## Biophilic™ H MB

(INCI: Hydrogenated Lecithin, C12-16 Alcohols, Palmitic Acid)

A patented natural and Cosmos certified lamellar O/W system based on the emulsifying properties of Phospholipids combined with vegetable Lipids.

The lamellar emulsion mimics the lipid structure of the Stratum Corneum for perfect affinity. It acts as a "second skin" and helps restore the cutaneous barrier of damaged skin.

Biophilic™ H MB is a hydrogenated Lecithin that is also a universal well being provider. The emulsion melts on the skin during the application and forms a restructuring film which reduces TEWL.

Recommended usage level: 3 - 6%

## BiotyFerment™ ASHWA

(INCI: Water, Glycerin, Withania Somnifera Root Extract)

Daily stressful situations generate excess free radicals leading to various skin damage (such as dehydration, premature aging, irritations, etc.). Inspired by the traditional kefir beverage, the patented fermentation process of BiotyFerment™ ASHWA uses unique kefir grains made of symbiotic microorganisms.

Due to this specific composition of kefir grains, ashwagandha bioactive molecules are transformed, giving an increased capacity to fight against free radicals in order to protect skin from oxidative stress-induced damage. Ashwagandha, also called Indian ginseng, winter cherry, or king of Ayurveda, is an adaptogen plant that has been used in Ayurvedic medicine for more than 5,000 years. It is praised for its dual capacity to energize and calm at the same time. Its roots are known to help relieve physical and mental stress.

Organically sourced from ashwagandha roots and fermented with a patented process it helps protect the skin from oxidative stress-induced damage (dehydration, premature aging, etc.), fights free radical production as well as helping to keep the skin relaxed.

Recommended usage level: 0.5 - 2%

## BiotyFerment™ ASTRA

(INCI: Water, Glycerin, Astragalus Membranaceus Root Extract)

Inspired by the traditional kefir beverage, the patented fermentation process of BiotyFerment™ ASTRA uses unique kefir grains made of symbiotic microorganisms. Due to this specific composition of kefir grains, astragalus bioactive molecules are transformed, giving an increased capacity to stimulate hyaluronic acid and collagen production and recover skin vitality.

Astragalus, also called Huang Qi in China and Korea, is an adaptogen plant that has been used in traditional Chinese medicine for more than 2,000 years. Its roots are the most widely prescribed medicinal herbs in Chinese formulas to reinforce "Qi", the vital energy. Infusions made with the roots are also used as a tonic for persons who want to revitalise their body and fight fatigue to improve general health and wellness.

Organically sourced astragalus roots are fermented with a patented process in order to boost cell metabolism (cells in proliferation), increase hyaluronic acid synthesis, stimulate collagen production and provide an anti-fatigue effect.

Recommended usage level: 0.5 - 2%

## BiotyFerment™ MATÉ

(INCI: Water, Glycerin, Ilex Paraguariensis Leaf Extract)

Inspired by the traditional kefir beverage, the patented fermentation process of

BiotyFerment™ MATÉ uses unique kefir grains made of symbiotic microorganisms.

Due to this specific composition of kefir grains, yerba mate bioactive molecules are transformed, giving an increased capacity to protect hair from oxidative stress and maintain healthy hair.

Organically sourced yerba mate leaves are fermented with a patented process and it is this process that boosts Yerba mate's stimulating properties to help maintain healthy hair roots for optimal growth and enhance hair glossiness!

Recommended usage level: 0.5 - 2%

## Borealine® Expert

(INCI: Glycerin, Acer Rubrum Extract)

Borealine® Expert is the unique active extract of red maple bark developed by Bio ForeXtra that allows for the first time the transfer of Northern forest natural properties to skin care.

Borealine® Expert is the first fully sustainable cosmetic ingredient obtained from recycled red maple tree bark that has been clinically tested to reduce the appearance of wrinkles whilst increasing skin firmness and elasticity to reduce the signs of ageing.

Recommended usage level: 0.1 - 0.25%

## BOREALINE® AURORA

(INCI: Maltodextrin (and) Pinus Strobus Bark Extract)

Borealine® Aurora is a sustainable active ingredient obtained from upcycling bark from white pine. Known as the "King of the Forest" and the "Tree of Peace," white pine is a mystical tree that appears in numerous legends.

Borealine® Aurora is inspired by the white pine's search for light and the aurora borealis that illuminate the boreal sky with breath-taking colours and shapes.

Borealine® Aurora protects and acts on three different parameters of skin complexion to give you clear, even skin for an optimal luminous look.

Borealine® Aurora illuminates and evens out skin tone in just 14 days, improves skin translucency and clarity, reduces the appearance of age spots and reduces the appearance of skin redness and yellowness.

Recommended usage level: Complexion improvement: 0-5-1%; Anti-dark spot action: 1-2%

## Borealine® Protect

(INCI: Glycerin, Water, Picea Mariana Bark Extract)

Borealine® Protect is black spruce bark extract is considered to be an extreme Nordic survivor as it is the only species able to survive in the Tundra due to its resistance to very cold temperatures. Obtained via a circular economy process this sustainable black spruce bark extract is rich in resveratrol to protect the skin barrier function and soothe the skin from external aggressions such as, pollution, UV and dehydration from the cold or wind.

In hair care, Borealine® Protect protects hair colour from environmental aggressions, UV induced discolouration, repeat washes and damage caused by oxidation.

Recommended usage level: 0.1 - 0.5%

## Canadian Willowherb™ 5C PF

(INCI: Water (and) Epilobium Angustifolium Flower/Leaf/Stem Extract)

Canadian Willowherb™ 5C PF is a Cosmos certified multi-functional active ingredient that contains bioactive molecules such as Oenothain B which has 5- $\alpha$ -reductase inhibitory activity, anti-oxidant and anti-bacterial properties. Its primary function is as a non-steroidal anti-irritant ingredient with free radical scavaging ability.

Canadian Willowherb™ 5C PF provides a prebiotic activity by modulating skin microbiota growth. Its anti-irritant and redness reduction properties show a strong reduction of skin redness induced by chemicals or UV exposure within 30 minutes.

Ideal for anti-acne, redness, anti-ageing, intimate care, oral care (anti-irritant/ bleeding gums), sun care (reduces UV-induced erythema) and baby care (nappy rash).

Recommended usage level: 1 - 3%

## ChroNoline™

(INCI: Glycerin (and) Water (and) Dextran (and) Caprooyl-Tetrapeptide-3)

ChroNoline™ is a biomimetic Tetrapeptide derived from a growth factor bound lipid for higher stability and optimal skin penetration.

ChroNoline™ boosts the production of key components at the DEJ such as Collagen VII, Laminin-5 and Fibronectin for optimal skin support.

ChroNoline™ provides an outstanding reduction of the appearance of fine lines and wrinkles after 28 days and can be used across all ages starting at 25+ to preserve DEJ and communication between Dermis and Epidermis.

Recommended usage level: Intensive treatment:2.5% Preventive treatment:1% to 2.5%  
Skin repair treatment:0.3% to 1%

## Capixyl™

(INCI: Butylene Glycol (and) Water (and) Dextran (and) Acetyl Tetrapeptide-3 (and) Trifolium Pratense (Clover) Flower Extract)

Capixyl™ is an innovative complex of a Biomimetic Peptide combined with a Red Clover extract for stronger and thicker hair and eyelashes. Eyelashes are noticeably thicker and fuller after 4 weeks (in-vivo data).

Capixyl™ has a direct action on 5- $\alpha$ -Reductase which modulates Dihydrotestosterone (DHT) to help prevent hair miniaturisation. It improves ECM protein integrity in dermal papilla for better hair anchoring and reduces damage caused by inflammation, providing fuller, thicker and healthier looking hair and lashes.

Recommended usage level: Intensive treatment: 5% Preventive care: 0.5 – 2.5%

## CollagScalp Andiroba

(INCI: Carapa guaianensis seed oil)

With direct action on hair follicle stem cells, CollagScalp Andiroba is a natural anti-ageing active ingredient for hair, preventing the miniaturisation of the hair follicle and the consequent thinning and hair loss.

CollagScalp Andiroba is obtained from the powerful seeds of the andiroba tree and has no restrictions on use. The bioactive also induces synthesis and guarantees protection against proteolysis of collagen 17A1 under the effect of UV radiation, an important influencer of cellular ageing.

Recommended usage level: 1-5%

## Defenscalp™ PF

(INCI: Glycerin, Water, Epilobium Angustifolium Flower/Leaf/Stem Extract )

Defenscalp™ PF extracted from rosebay and titrated in oenothien B polyphenols,

Defenscalp™ is a smart multifunctional plant-derived ingredient designed to naturally and gently regulate the Malassezia proliferation responsible for dandruff, while preserving the scalp microbiota ecosystem.

As a scalpfriendly alternative to irritating classical anti-dandruff ingredients, Defenscalp™ provides outstanding clinical results on sebo-regulation and anti-dandruff action from the first use, without side-effects.

Defenscalp™ normalises sebum, reinforces Corneocyte cohesion and modulates the scalp immuno-inflammatory defence system to maintain a healthy flake free non-oily looking scalp and hair. Ideal for greasy hair products as well as anti-dandruff and sensitive scalp care.

Recommended usage level: 0.5 – 1.0%  
Preventative hair care 1.0 – 1.5% Intensive hair care

## Desert Harvest™ AF

(INCI: Glycerin, Aqua, Santalum Acuminatum Fruit Extract, Citrus Glauca Fruit Extract, Acacia Victoriae Fruit Extract)

For thousands of years, the Aborigines consumed desert fruits. These plants have developed unique protective mechanisms to withstand the harsh dry climate and extreme temperatures of the Australian desert.

This unique combination of Desert fruits rich in antioxidants, fruit acids and essential minerals will nourish the skin, protect against the harmful effects of UV and pollution, to provide younger looking skin.

Recommended usage level: 1 - 5%

## Dendriclear™

(INCI: Glycerin, Water, Polylysine)

Dendriclear™ is a very innovative active ingredient against the factors responsible for acne. Advances in our understanding of the microbiome simply decreasing the C.acnes quantity is no longer key to clearing acne but rebalancing its distribution between acneic and non-acneic strains is!

Composed of a unique patented lysine dendrimer obtained with a green chemistry manufacturing process, Dendriclear™ is able to selectively weaken the acneic C. acnes strains to favour growth of non-acneic strains to gently rebalance the acnebiome™ of acne-prone skin in order to recover a healthier microbiota and reduce the appearance of acne for clear and flawless skin.

With this breakthrough microbiota-friendly mechanism of action, Dendriclear™ is the next generation of active ingredients in the battle against acne and is a gentle alternative with no undesired side effects, unlike traditional acne-prone skin solutions.

Recommended usage level: Preventive action: 0.1 - 0.2%; Intensive action: 0.2 - 0.4%

## Greyverse™

(INCI: Glycerin, Water, Palmitoyl Tetrapeptide-20)

Greyverse™ is patented a-MSH biomimetic peptide that stimulates melanogenesis whilst reducing oxidative stress in the hair bulb.

Greyverse™ is a breakthrough innovation from Lucas Meyer Cosmetics that contains the first anti-grey hair biomimetic peptide reversing the hair greying process to progressively recover natural hair colour for a younger and more confident look!

Clinically efficacious, it helps men and women suffering from greying hair look naturally younger and increase their self-esteem. Suitable for beard, hair and brows!

Recommended usage level: Preventive care: 0.5 - 1% Intensive care: 1 - 2%

## Heliofeel™ 22 MB

(INCI: Glyceryl Stearate Citrate, Polyglyceryl-3 Stearate, Hydrogenated Lecithin)

Heliofeel™ is a natural emulsifier for the formulation of O/W emulsions. Easy to use, it is compatible with a large variety of oils and forms particularly stable emulsions in presence of electrolytes and other destabilising agents. Ideal for suncare it provides high water resistance to formulations with chemical UV filters as well as boosting the SPF value.

Polyvalent, it allows the formulation of a wide range of textures leaving a soft and velvety touch. Ideal for sprayable to cream emulsions, wipes, suncare and make-up applications.

Recommended usage level: 3 - 6%

## Heliosoft™

(INCI: Behenyl Alcohol, Glyceryl Behenate, Lecithin)

Heliosoft™ is a 100% natural origin O/W emulsifier, composed of sunflower phospholipids and fatty esters and alcohols from rapeseed.

Phospholipid-based, Heliosoft™ promotes lamellar organisation in formulas, providing a perfect affinity to the skin and an extreme tolerance. This biomimetic structure of Heliosoft™ brings an unctuous touch, while leaving a very soft and comfortable sensation as well as a protective film on the skin after application. Heliosoft™ is highly efficient as it is able to emulsify up to 40% oil alone at 4% and is compatible with all kind of oils, pigments, chemical and physical UV filters. It can also be added to formulas as a co-emulsifier or skin feel enhancer, thus providing formulators high flexibility to create very fluid to thick textures.

Not only is Heliosoft™ an efficient emulsifier, but its phospholipid components also give it strong active properties as well keeping the skin moisturised, repairing damaged skin by quickly restoring the skin barrier function and enhancing the bioavailability and penetration of active ingredients for improved efficacy.

Heliosoft™ is the ideal emulsifier to create emulsions especially dedicated to sensitive skin.

Recommended usage level: O/W emulsifier: 2 - 4%; Co-emulsifier: > 1%; Texture enhancer: > 1%



## HYDROSELLA™

(INCI: Glycerin, Water, Erythritol, Hibiscus Sabdariffa Fruit Extract)

Osmo-hydration to fight against dry skin.

Hydrosella™ is an organic extract of Wild Rosella selected for its high content in Betaine. It stimulates organic osmolytes cellular intake and restores skin barrier function by increasing lipid and tight junction proteins production.

Age dependant osmolyte inactivity is restored allowing aged skin to hydrate quickly and effectively. Provides rapid and continuous improvement of skin hydration and reduces skin water loss up to 72 hours after application.

Recommended usage level: Normal skin: 1%;  
Dry skin: 2%

## IBR-CalmDeAge®

(INCI: Glycerin, Water, Phoenix Dactylifera (Date) Seed Extract )

IBR-CalmDeAge® is an aqueous extract from palm date seeds, upcycled from the food industry, able to slow down cell proliferation as well as prevent oxidative damage, thereby slowing down ageing, globally.

The GLOBAL ANTI-AGING effect is observed in vitro and in vivo. Capturing the oasis calming, soothing and restful environment where date palms are naturally grown providing refreshment and rejuvenation, the product is able to diminish dark circles and significantly relieve rosacea symptoms via vasoconstriction and reduction of irritation.

Rosacea is a chronic condition characterised by facial erythema (redness) as a result of blood capillary breakage, irritation and inflammation. Rosacea is a harmless condition, but it may cause one to be self-conscious or embarrassed. There is no known cure for rosacea. Under-eye dark circles are dark blemishes around the eyes. There are many causes of dark circles, including heredity, allergies, eczema, and bruising.

Recommended usage level: 3 - 5%

## IBR-Chill™ all natural

(INCI: Glycerin, Water, Cistus Incanus Flower/Leaf/Stem Extract)

The link between anxiety, psychological stress and ageing is well-known. They activate skin immune cells, which produce stress hormones resulting in a vicious cycle of stress-induced inflammatory events. Inflammation results in cellular aging and deterioration in healthy skin function. Meditation blocks stress-induced inflammation to fight Anxi-Aging™. By capturing the desert chill vibe IFF Lucas Meyer Cosmetics screened a number of plants endemic to the Israeli desert for their capacity to block CRH-R1 receptor activity.

This resulted in the development of IBR-Chill™, an aqueous extract of sustainably sourced organic pink rock-rose. IBR-Chill™ is standardised for myricitrin, a flavonoid glycoside, previously reported to have anti-anxiety effects. Making IBR-Chill™ the perfect active to fight anxiety and stress related skin ageing.

IBR-Chill™ was found to block the CRH-R1 receptor to prevent NF-kB activation and downstream inflammation – biomimicking meditation. IBR-Chill™ delivers a novel cosmetic strategy to block stress-induced Anxi-Aging™ for healthy and youthful looking skin.

Recommended usage level: 0.5 - 1%

## IBR-Dormin® all natural

(INCI: Glycerin, Water, Narcissus Tazetta BulbExtract)

IBR-Dormin® is a natural aqueous extract from narcissus bulbs in dormancy that is able to capture and transfer flower bulbs dormancy and rejuvenation to skin by slowing down cell proliferation, expanding time between replications, thus preventing telomeres from getting chopped too fast. That way, the telomeres are preserved without active interference with cellular processes and the cells are kept in a younger, chronological age.

DORMINs are natural cell proliferation inhibitor naturally extracted from plants and plant organs in their dormant stage, which are able to slow down cell proliferation, maintain younger healthier skin and provide the means for better skin protection as well as prevention of hyper proliferative cell disorders.

IBR-Dormin® ability to control and reduce cell proliferation of various types of cells including sebocytes may assist in reducing skin oiliness, shine, pore size and improves overall appearance. IBR-Dormin® is ideal for preserving youth, delaying hair growth (underarms and men's facial hair) and scalp protection. Available in both Cosmos certified and organic (with organically certified glycerin) formats.

Recommended usage level: 0.5 - 2%

## IBR-Hairdorm™ all natural

(INCI: Water and Narcissus Tazetta Bulb Extract)

IBR-Hairdorm™ is natural solution to keep your body hair-free for a longer time by slowing down hair growth. Provides a pain-free complementary solution to your hair removal routine. Helps reduce hair density & delays leg hair regrowth Slows down beard growth.

Recommended usage level: 0.2 - 3%

## IBR-Pristinizer®

(INCI: Glycerin, Water, Asteriscus Graveolens Flower/Fruit/Leaf/Stem Extract)

Pollution in general and air pollution specifically affect skin health and appearance. Constant exposure to environmental toxins leads to accumulated damage to DNA and to chronic inflammation. Both leading to premature signs of aging. Preventing damage from pollutant, detoxifying them and enhancing skin ability to defend itself against pollution, is a major unmet need of the cosmetic industry.

IBR-Pristinizer® is an aqueous solution of Asteriscus Graveolens (fragrant star) that protects cells from air pollution induced cell death by reducing the expression of cell death related genes and stimulating expression of phase I enzymes such as cytochrome p450 thereby detoxification of hazards and increasing cell survival. It also protects cells from inflammatory and oxidative stress responses following exposure to air pollution.

IBR-Pristinizer® is an excellent shield against (urban) pollution and prevent skin aging as it showed ability to defend against PM 2.5 air pollution.

Recommended usage level: 1 - 3%

## IBR-Snowflake® all natural

(INCI: Glycerin, Water, Leucojum Aestivum Bulb Extract)

IBR-Snowflake® is a natural, aqueous extract from dormant Summer Snowflake bulbs to slowdown skin ageing by reduction of cell proliferation through dormancy and increasing the natural defense against external aggression by enhancing SOD production in the skin cells.

Clinically proven to smooth the skin and reduce wrinkles - affecting muscle cell contraction. Contributing to lightening and whitening of the skin through dormancy of the melanocytes.

Recommended usage level: 0.5 - 2%

## IBR-SolAge™

(INCI: Simmondsia Chinensis (Jojoba) Seed Oil (and) Dunaliella Salina Extract)

Scientific research shows that glycation (a chemical reaction caused by the excess sugar we ingest, oxidative stress and UV radiation) is one of the main causes of skin ageing. During glycation sugars are added to key structural proteins of the skin such as, collagen and elastin resulting in irreversible changes to their structure and function, which accelerates the skin ageing in a process (Glyc-Aging™).

Microalga Dunaliella salina is nature's own photoprotective mechanism that withstands harsh solar irradiation. IBR-SolAge™ is a sustainable and circular economy (uses by-products from nearby salt factories) active from purified pink algae extract, uniquely designed to fight Glyc-Aging™. It bio-mimics alga's adaptation to solar stress and is produced using green extraction technology to maximise bioavailability and efficacy.

This colourless carotenoid, standardised in phytoene and phytofluene is a unique oil-soluble multifunctional active that can prevent the formation of AGEs, detoxify existing ones and reduce the AGE-mediated signalling in solar stressed skin at low dosage (1%). It reduces the accumulation of AGEs in the skin, improves skin elasticity, reduces skin roughness and prevents the appearance of wrinkles and UV spots.

Ideal for sun care, after sun, daily defence, anti-redness, make-up and oil-based formulations.

Recommended usage level: 0.5 – 1%

## IBR-TCLC<sup>®</sup> in Jojoba Oil

(INCI: Simmondsia Chinensis (Jojoba) Seed Oil (and) Squalane, Solanum Lycopersicum (Tomato) Fruit Extract)

IBR-TCLC<sup>®</sup> in Jojoba Oil 705 by IBR is an anhydrous active obtained from a waste stream of the supplement industry by valorizing a waste fraction of tomato extraction, to balance cell proliferation and optimise maturation. It acts as an anti-ageing, anti-oxidant, anti-inflammatory, UV absorbance, skin whitening and anti-dandruff active.

Demonstrates environmental stress reduction action and protection capabilities against free radicals and sun derived damage. Inhibits melanin synthesis and reduces pigmentation. Prevents photo oxidation, sunburn and DNA damage. Protects and enhances other active ingredients and their activity. It contains no preservatives.

IBR-TCLC<sup>®</sup> in Jojoba Oil is used in anti-ageing skin care, whitening, hair care and sun care products.

Recommended usage level: 0.1 - 2%

## Inst'Tight<sup>™</sup> C

(INCI: Water, Glycerin, Gleditsia Triacanthos Seed Extract )

Eco-Designed Flash Skin Perfector which harnesses the Polysaccharides from Honey Locust seeds. By forming a 3D biopolymeric network at the surface of the skin it is able to immediately mechanically stretch and tighten the skin. Instantly minimises the appearance of wrinkles and fine lines (tested on crow's feet, forehead lines and frown lines).

Visible results only 3 minutes after application and with a longlasting effect throughout the day (up to 8 hours).

Recommended usage level: Moderate action / Filter-like action: 1%; Optimal action / Anti-wrinkle action: 2%

## Immuniight<sup>™</sup>

(INCI: Triheptanoin, Lavandula Hybrida Extract)

Green-processed unique extract, organically grown lavandin from Provence, France. This unique extract improves the production of melatonin by skin cells, regulates clock gene expression and modulates the skin immunoinflammatory response.

Immuniight<sup>™</sup> resynchronises the skin's circadian rhythm with a melatonin-like action, helps improve the skin immune system, soothes skin, reduces the visible signs of fatigue such as dark circles and provides a more relaxed and radiant skin.

Recommended usage level: 0.1 - 0.5% (preventative action); 0.5 - 1.0% (intensive action)

## Lecigel<sup>™</sup>

(INCI: Sodium Acrylates Copolymer (and) Lecithin)

Lecigel<sup>™</sup> is a gelling agent with emulsifying and cooling properties (a safe alternative to Menthol and Alcohol) that triggers positive emotions upon application.

It allows the increase in the stability of formulas. Suitable for both cold and hot processes, it also helps to adjust the viscosity at the end of the formulation process.

Easy to use and stable to pH 9, it is compatible with most emulsifiers and is stable over a wide range of pH. Especially adapted for the formulation of gel-creams, it provides the typical 'Phospholipid touch' with a soft, non-greasy skin feel.

Recommended usage level: 0.1-2%

## Lime Pearl™ AF

(INCI: Glycerin, Aqua, Microcitrus Australasica Fruit Extract)

Lime Pearl™ is a new natural source of AHAs extracted from the precious native Australian caviar lime, specially designed to stimulate skin desquamation with an innovative mechanism of action involving the TRPV3 channel. For a smoother, brighter and even skin complexion.

Recommended usage level: 1 - 2%

## Melafresh™ T96

(INCI: 4-Terpineol )

Melafresh™ T96 is a pure concentrated form of terpinen-4-ol, the active ingredient naturally present in tea tree (*Melaleuca alternifolia*) oil.

This multifunctional natural active ingredient offers both antimicrobial anti-inflammatory activity making it ideal for irritated skin, acne-prone skin, dandruff, deodorants and itchy scalps.

It can be used as a preservative booster for cosmetics and personal care products.

Recommended usage level: 0.2 - 1%

## OiLESS'city™

(INCI: Glycerin, Water, Backhousia Citriodora Leaf Extract)

OiLESS'city™ is a natural Australian active ingredient extracted from the *Backhousia citriodora* leaf, specially designed to improve control of oily skin caused by the environment. It acts on sebum production and rebalances "Oleostasis" for the Millennials around the world.

Titrate in polyphenols, OiLESS'city™ provides a selfie-confident look by fighting urban life aggressions to rebalance oily skin and reduce shiny appearance.

Recommended usage level: 1 - 2%

## LYSOFIX™ Liquid

(INCI: Glycerin, Glycine Soja (Soybean) Seed Extract)

Natural micellar O/W emulsifier with a silky touch that can be used in cold or hot process. Powerful emulsifier without thickening that aids pigment dispersion with the potential to boost SPF. High compatibility in formula.

Provides hydration to the skin whilst improving the bioavailability of active ingredients. Enhances collagen and elastin production. A proven soothing micellar cleansing action with no irritation.

Recommended usage level: 3 - 5% (O/W emulsifier) 1 - 3% (co-emulsifier)

## Mountain Harvest™ AF

(INCI: Glycerin, Aqua, Anetholea Anisata Leaf Extract, Tasmannia Lanceolata Leaf Extract, Hibiscus Sabdariffa Flower Extract)

This unique botanical combination will protect against the harmful effects of free radicals, soothe and rejuvenate the skin.

Recommended usage level: 1 - 5%

## Peruvian Tara Seed

(INCI: Caesalpinia Spinosa Gum)

Tara Gum is a 100% natural gelling agent obtained by mechanical process from the Tara Tree Seed native to the Peruvian Andes. This bio-nutrient has been used by the Peruvian Incas for the past millennia to treat irritated skin as well as many other diverse uses.

Not only does it help improve skin condition it also provides moisturisation due to it containing various polysaccharide groups. In formulations, Tara gum can be used to form stable gels, as a viscosity controlling agent, to create smooth non-sticky, non-tacky and non-stringy gels as well as providing stability to emulsions. Stable over a wide pH range and 100% natural.

Recommended usage level: 0.5 - 1.0%

## Progeline™

(INCI: Glycerin (and) Water (and) Dextran (and) Trifluoroacetyl Tripeptide-2)

Progeline™ is a 3 Amino acids Biomimetic Peptide of Elafin, an enzyme inhibitor that regulates the integrity of the Extracellular Matrix. Progeline™ decreases Progerin an ageing biomarker of skin cellular senescence. By acting directly on a senescence marker, Progeline™ clinically improves the appearance of signs associated with skin maturation: sagging, slackness and wrinkles.

A new study has shown that Progeline™ stimulates Sirtuin-1 and Sirtuin-3 production which are responsible for cell longevity and lifespan. In addition, it can reverse the signs of ageing by increasing Pro-collagen I synthesis. In addition, it offers 100% Elastase inhibition; this is important as we cannot stimulate Elastin.

Gold Award winner, In-Cosmetics 2012.

Recommended usage level: Intensive treatment: 2% Body care: 1% Preventive care: 0.5 – 2%

## ReviScalp™

(INCI: Glycerin, Water, Anetholea Anisata Leaf Extract)

With the rise of the Skinification trend in hair care, it's now well-recognised that a healthy scalp determines the health and beauty of hair.

ReviScalp™ is a natural and sustainable active ingredient from the endemic Australian Aniseed Myrtle tree.

Standardised in ellagic acid content, a polyphenol known for its anti-inflammatory and anti-oxidative properties, ReviScalp™ has a patent-protected unique action that works on the root cause of an unhealthy scalp by stimulating the newly discovered and highly innovative specialised pro-resolving mediators to help improve scalp health and increase hair brightness.

Recommended usage level: 1 - 2%

## Regenight™

(INCI: Triheptanoin, Melaleuca Alternifolia (Tea Tree) Leaf Oil)

Upcycled fraction from Australian Tea Tree oil, standardised in sesquiterpenes. Regenight™ improves total sleep duration and deep sleep length for a better sleep quality whilst increasing the skin barrier function and hydration for an increased protection.

Regenight™ also helps improve skin comfort, regenerates the skin with a melatonin like action, reduces visible signs of fatigue such as wrinkles and dark circles. For younger and healthier-looking skin. Specific clinical data on menopausal skin, shows increased skin barrier function, hydration and antioxidant potential.

Regenight™ was found to also rapidly reduce the appearance of wrinkles, increases firmness and elasticity, reduce the appearance of dark circles and improve the overall appearance of skin fatigue of menopausal skin.

Recommended usage level: 0.1 - 0.5% (preventative action); 0.5 - 1.0% (intensive action)

## Riboxyl™

(INCI: Ribose)

Riboxyl™ is a fundamental building block of the ATP molecule which is the most important source of cell energy. To function efficiently, the cell must keep its ATP content at a maximum level.

Riboxyl™ is natural D-Ribose, a Pentose that occurs in all living cells. Generating de novo ATP, it energises and oxygenises skin, reduces wrinkles, increases skin elasticity and enhances complexion.

Ideal for detox, relaxation and antiburn-out applications.

Recommended usage level: 0.5 - 1%

## SCB Macadamia Oil

(INCI: Macadamia Ternifolia Seed Oil)

SCB Macadamia Oil is a versatile natural cosmetic oil with excellent oxidative stability and nourishing properties for high performance cosmetic and personal care products. It is produced from the cold pressed kernels of Macadamia ternifolia, which are indigenous to the sub-tropical coastal Australian rainforest. It is enhanced by a unique refining process resulting in an ultra-pure highly emollient oil providing the following benefits as natural oil for cosmetics: enhanced softening effect and a dry, velvet-soft skin feel.

SCB Macadamia Oil leaves on the skin a surprising light and dry skin feel, despite its viscosity and presence during spreading. It is an excellent skin conditioner, protectant and emollient. The oil can be used in a wide range of applications in skin care, anti-ageing care, sun care, hair care, lip care, baby care and aromatherapy.

Recommended usage level: Skin Care: 5-10%; Hair Care: 0.5-1.0%; Sun Care: 5-10%; Massage and Baby oil: 100%; Make-up and pigment disperser: 2-10%; Soap bars: 1-2%; Aromatherapy - carrier for essential oils

## Superox-C™ AF

(INCI: Glycerin, Aqua, Terminalia Ferdinandiana Fruit Extract)

Superox-C™ is a botanical active ingredient extracted from native Australian Kakadu plum specially designed to provide a topical supply of antioxidants necessary to fight free radical-induced skin damages.

When used in hair care applications this sustainable Australian superfruit naturally protects the hair against UV damage by reducing the hair's permeability. Protects both hair structure and composition.

Recommended usage level: 1 - 2%

## SKINECTURA™

(INCI: Glycerin, Water, Anigozanthos flavidus Extract)

SKINectura™ is a certified organic botanical extract of Australian Kangaroo Paw flower rich in Nectar that boosts Tenascin-X synthesis, a new marker in skin architecture, for optimal reduction in appearance of wrinkles and sagging skin... the best secret to age gracefully.

Recommended usage level: 2 - 6%

## SWT-7™ H

(INCI: Maltodextrin, Swertia Chirata Extract)

SWT-7™ H is an ultra-hightech active inspired by advanced regenerative medicine that boosts self-repair system of the skin and targets fast (up to 7 days) skin tissue recovery.

It has a biomimetic action on adipose-derived stem cells featuring specific factors that ensure cell-to-cell communication. Visible results on vertical lines (responsible for tired and sad facial expression), wrinkles, volume, skin texture and lip lines.

Recommended usage level: 0.5 - 2



## SWT-7™ L

(INCI: Isopropyl Palmitate, Lecithin, Aqua, Swertia Chirata Extract)

SWT-7™ L is an ultra-high-tech active inspired by advanced regenerative medicine that boosts self-repair system of the skin and targets fast (up to 7-days) skin tissue recovering.

It has a biomimetic action on adipose-derived stem cells featuring specific factors that ensure cell-to-cell communication.

SWT-7 L is the oil-soluble form, enhances its bioavailability and boosts the results on vertical lines (responsible for tired and sad facial expression), wrinkles volume, skin texture and lips lines.

Recommended usage level: 0.5 – 2%

## Tropical Fruit Harvest™ AF

(INCI: Glycerin, Aqua, Mangifera Indica Fruit Extract, Carica Papaya Fruit Extract, Ananas Sativus Fruit Extract)

This exotic combination of Tropical Fruit Harvest™ AF has been specially selected for its nutritional value. It nourishes, moisturises, strengthens the immune system and rejuvenates the skin.

For thousands of years, tropical fruits have been harvested for their important source of energy as well as their medicinal and cosmetic purposes. Modern research confirms that the fruits are rich in vitamins, minerals, enzymes, fruit acids and sugars.

Recommended usage level: 1-5

## Tazman Pepper™ AF

(INCI: Glycerin, Aqua, Tasmannia Lanceolata Fruit/Leaf Extract)

Tazman Pepper™ is a natural Australian active ingredient extracted from the Tasmanian pepper berry, specially designed for sensitive skin to protect and reduce skin sensibility for better skin comfort.

Recommended usage level: 1 - 2%

## Tyrostat™ O9

(INCI: Water, Glycerin, Rumex Occidentalis Extract )

Tyrostat™ O9 is a natural skin whitening agent from Rumex species native to Northern Canada. It is edible, safe and globally registered. Tyrostat™ O9 inhibits Tyrosinase and has a similar activity to Kojic acid.

As Tyrostat™ is a plant based skin lightener composition can change from batch to batch, as such every batch is tested for Tyrosinase inhibition efficacy.

Tyrostat™ effectively reduces pigmentation, erythema, tanning and age spots. A skin lightening effect is induced after just 3 weeks. Tyrostat™ O9 offers a minimum of 75% inhibition of Tyrosinase.

Recommended usage level: 1 - 3%

## Vegan DDS Alpha Arbutin

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Alpha-Arbutin, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Xanthan Gum, Sodium Chloride)

Alpha Arbutin is a pure biosynthetic and hydro soluble active that activates skin lightening and unifies all skin types by blocking the synthesis of melanin pigments which inhibit the enzymatic oxidation of tyrosine and the DOPA.

Alpha-Arbutin is encapsulated in INdermal's Deep Delivery System (DDS) ensuring it is specifically delivered to the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there.

The use of DDS enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1 - 10%

## Vegan DDS Diosmin

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Diosmine, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Xanthan Gum, Sodium Chloride)

Diosmin is considered to be the best flavonoid in terms of phlebotonic properties, capable of strengthening the capillaries, reducing their permeability and preventing their breakage. For this reason, its anti-inflammatory and anti-edematous properties are utilised cosmetically in products designed for tired legs.

It is also used as a treatment for capillary fragility, skin irritations and couperosis as well as soothing, sun care or post intervention and sensitive/ reactive skin types in cosmetic products. As with other flavonoids, Diosmin is a powerful antioxidant which neutralises cell deterioration produced by contamination generated free radicals, UV light or IR radiation which accelerate premature aging of the skin.

By encapsulating Diosime in the Deep Delivery System (DDS) it is specifically delivered to the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there. It also enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1 - 10%

## Vegan DDS Cysteamine

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Cysteamine HCL, Cetyl Alcohol, Citric Acid, Potassium Sorbate, Polyglyceryl-10 Laurate, Sodium Chloride)

When applied topically Cysteamine Hydrochloride can scavenge free radicals and lighten skin that has been darkened as a result of sun exposure, Melasma or post-inflammatory hyperpigmentation.

INdermal has encapsulated 2% Cysteamine in their Deep release nano-vesicles (DDS – Deep Delivery System) for use in cosmetic, cosmeceutical or dermo pharmaceutical formulations.

Recommended usage level: Daily cream: 3% – 5%; Serum: 4% – 8%; Mask: 3% - 7%; Ampoules: 5% - 10% and Professional use: 7% - 10%

## Vegan DDS EGF

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Xanthan Gum, Sodium Chloride, Dipotassium Phosphate, Oligopeptide-1, Potassium Phosphate)

The Epidermal Growth Factor – EGF (Oligopetide-1) is a type of peptide produced in our bodies that acts on the skin, stimulating its repair, growth and the differentiation of new epithelial cells. These processes involve cellular regeneration at the epidermal layer and an increase in the production of collagen, hyaluronic acid and elastin.

Over the years the body increasingly produces less EGF and as a consequence is less able to counteract skin aging. For this reason, the use of EGF containing products prevents and reverses the ageing effect on the skin. Growth factors in general and EGF in particular, are extremely sensitive peptides which are very easily denaturalised by external agents. Furthermore, their ability to penetrate the skin is limited.

By encapsulating EGF into INdermal's Deep Delivery System (DDS) it not only enhances penetration but also offers protection.

Recommended usage level: 1 - 10%

## Vegan DDS Ethyl C

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, 3-O-Ethyl Ascorbic Acid, Polyglyceryl-10 Laurate, Cetyl Alcohol, Sodium Benzoate, Potassium Sorbate)

3-O-Ethyl Ascorbic Acid (3%) encapsulated in the "Deep Delivery" System (DDS) to ensure it is delivered specifically in the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there: melanocytes, Langerhans cells, keratocytes, basal cells, Merkel cells.

3-O-Ethyl Ascorbic Acid is one of the most stable forms of Vitamin C. It reduces the signs of skin ageing by boosting collagen production, making the skin plumper and smoother.

Ideal for cosmetic, cosmeceutical or dermo pharmaceutical formulations.

Recommended usage level: 1-10%

## Vegan DDS Ferulic

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerine, Ferulic Acid, Cetyl Alcohol, Potassium Sorbate, Tocopheryl Acetate, Decyl Glucoside, Xanthan Gum, Sodium Chloride)

Ferulic Acid is a phenolic acid with a low molecular weight, of vegetable origin and present in the cell walls of certain fruits such as blackberries, raspberries, apples, olives, oranges, pineapples... its function in plants is to provide structure rigidity as well as resistance against degradation.

It is a powerful antioxidant which neutralises cell deterioration produced by contamination generated free radicals, ultraviolet light or infra-red radiation which accelerates premature aging of the skin. Furthermore, Ferulic Acid improves the production of collagen and elastin fibres and for this reason it is used in the treatment of fine lines and wrinkles.

Recent studies have also shown that ferulic acid is capable of slowing the action of UVA and UVB rays individually and synergistically with other sunscreen products. For this reason, it is often used as a booster sunscreen in solar formulations. In so doing it prevents the appearance of blemishes and photo aging.

The encapsulation of 3% Ferulic Acid within the INdermal Vegan DDS system provides protection against oxidation, maximum delivery of the active ingredient to the deep skin levels, gradual delivery for longer lasting effect, increases the bioavailability of the active ingredient and avoids discolouration.

Recommended usage level: 1-10%

## Vegan DDS K1 Oxide

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Phytonadione Epoxide, Cetyl Alcohol, Polysorbate 80, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Xanthan Gum, Citric Acid, Sodium Chloride)

Vitamin K1 Oxide (Phytonadione Epoxyde) is used for cosmetic purposes and is a derivative of Vitamin K1 which is typically found in dark green leaved vegetables such as broccoli, spinach, cabbages etc. It has a fundamental role in the synthesis of prothrombin (factor II) and clotting factors VII, IX and X.

In addition it blocks the formation of hemosiderin and avoids blood extravasation giving it a high decongestive capacity as well as a high capacity to reduce erythema and facial irritations. For these reasons it is also used in products which treat sore skin, couperosis and general skin irritations. Owing to its effect on build ups of hemosiderin, it reduces the violet pigmentation found in under-eye circles and hematomas.

It has also demonstrated a moderate anti-ageing effect with prolonged treatments, being capable of increasing the moisturisation, elasticity and texture of the skin. Encapsulated within INdermal's Deep Delivery System (DDS) for delivery to the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there. The use of DDS enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1 - 10%

## Vegan DDS Kojic

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Kojic Acid, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Tocopherol Acetate, Xanthan Gum, Sodium Chloride)

Kojic Acid is a natural active ingredient derived from the fermentation of Japanese sake which is produced from rice wine. Scientists observed that workers involved in the production of sake had very white hands and concluded that the whitening was due to the bleaching action of the koji fungus.

Kojic Acid acts on melanocytes by blocking the transformation of L-tyrosine which is an amino acid precursor to melanin. For this reason, it is used as an anti-pigment, tone homogeniser and whitener. It also has antibacterial and antifungal properties and works as an antioxidant in the prevention of premature aging.

By encapsulating Kojic Acid into INdermal's Deep Delivery System (DDS) it is specifically delivered to the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there. The use of DDS enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1 - 10%

## Vegan DDS Multivitamin

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Sodium Ascorbyl Phosphate, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Retinyl Palmitate, Tocopherol Acetate, Xanthan Gum, Sodium Chloride)

Vitamins A, C & E are of great importance with regard to skincare, not only because of their individual properties, but also because of the unique benefits provided by their synergetic combination.

Vitamin A delivered in the form of Retinyl Palmitate possesses a high capacity to stimulate the production of collagen and elastin as well as a positive regenerating action amongst other attributes. Meanwhile, Vitamin C in the form of Sodium Ascorbyl Phosphate is known for its antioxidant capability and illuminating and skin tone regulating properties. Finally, Vitamin E delivered in the form of Tocopheryl Acetate offers a comprehensive antioxidant action which helps to prevent premature ageing.

Their different levels of solubility and their delicate stability mean that successfully combining these three vitamins in one product, let alone one that can reach the deep skin levels in balanced dosages, has traditionally proven difficult. The encapsulation in the INdermal DDS system overcomes these difficulties releasing the full potential of this multivitamin synergy.

Recommended usage level: 1 - 10%

## Vegan DDS Niacinamide

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Niacinamide, Cetyl Alcohol, Potassium Benzoate, Sodium Benzoate, Xanthan Gum, Citric Acid, Sodium Chloride)

Niacinamide is a version of Vitamin B3 and is well known for its positive effect on skin health such as, brightness, hydration, pore and wrinkle reduction as well as fighting inflammation. While Niacinamide is very stable it can break down when it is in extreme acid or alkaline environments. The Vegan DDS delivery system not only provides protection, it also enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1-10

## Vegan DDS Oligo HA

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Hyaluronic Acid, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Xanthan Gum, Sodium Chloride)

Hyaluronic Acid is a structural polysaccharide which is naturally present in the skin and which can capture and retain large amounts of water. As the body ages, the presence of this substance is reduced considerably and by the age of 50 only 50% of the endogenous hyaluronic acid remains.

As a consequence, the skin loses its volume and firmness and suffers an increased wrinkling effect. Oligo Hyaluronic Acid is obtained via an advanced and complicated full degradation process with hyaluronidase of hyaluronic acid, achieving sizes smaller than 10Kda (20 times less than that known as the "low molecular weight hyaluronic acid").

This specific type of hyaluronic acid can be transported by the nanovesicles until its delivery to the skin levels where it replaces lost hyaluronic acid, captures water thereby recovering the skin volume, reduces wrinkle depth and restores the elasticity and tonicity more typically associated with much younger skin.

Recommended usage level: 1 - 10%

## Vegan DDS Pure Retinal

(INCI: Aqua, Phosphatidylcholine, Pentylene Glycol, Mannitol, Glycerin, Polyglyceryl-10 Laurate, Retinal, Cetyl Alcohol, Tocopherol)

Retinal stimulates the production of hyaluronic acid, collagen and elastin, improving skin strength and elasticity. It accelerates the skin cell renewal process, improving the overall appearance and texture of the skin and minimising pores. It also boasts greater antibacterial action than other retinoids which makes it especially effective in the treatment of acne. The encapsulated DDS delivery system protects the Retinal against degradation and colour change of the finished formulation. Maximum delivery of the active ingredient to the deep skin levels is provided gradually for a longer lasting effect.

Recommended usage level: 1-10%

## Vegan DDS Resveratrol

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Resveratrol, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Tocopherol Acetate, Xanthan Gum, Sodium Chloride)

Resveratrol is a polyphenol which is produced primarily in the skin of the black grapes. When applied to the skin it has a strong antioxidant effect, neutralising cellular deterioration caused by free radicals generated by pollution and UV light which together accelerate skin aging.

It also boosts the production of collagen, has anti-inflammatory and calming properties and a considerable illuminating effect. Only a few years ago it was discovered that Resveratrol activates the sirtuins which are the protective enzymes against cellular ageing, making this ingredient indispensable in terms of modern anti-ageing treatments.

Notwithstanding, it is a photosensitive molecule which can quickly switch to its isomeric cis-resveratrol form, reverting to a biologically inactive state. Furthermore, it is easily degradable by oxidation or by the presence of other compounds. For these reasons, the encapsulation of this active ingredient in the INdermal DDS system is extremely useful in that it prevents the degradation of the molecule while it is being transported and delivered to the deep layers of the skin.

Recommended usage level: 1 - 10%

## Vegan DDS Retinal

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Cetyl Alcohol, Potassium Sorbate, Sodium Benzoate, Retinal, Citric Acid, Xanthan Gum, Sodium Chloride)

Retinaldehyde or Retinal (RETINAL) is a precursor of retinoic acid. It stimulates the production of hyaluronic acid, collagen and elastin thereby improving skin strength and elasticity.

In addition, it accelerates the skin cell renewal process, improving the overall appearance and texture of the skin and minimising pores. It also boasts greater antibacterial action than other retinoids which makes it especially effective in the treatment of acne.

Retinal is of natural origin, produced and extracted through *Halobacterium salinarum* by bio-fermentation processes.

The encapsulated DDS delivery system protects the Retinal against degradation and colour change of the finished formulation. Maximum delivery of the active ingredient to the deep skin levels is provided gradually for a longer lasting effect.

Recommended usage level: 1 - 10%

## Vegan DDS Retinol

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Retinyl Palmitate, Cetyl Alcohol, Potassium Sorbate, Sodium Benzoate, Decyl Glucoside, Lauryl Glucoside, Xanthan Gum, Sodium Chloride)

Retinyl Palmitate is an ester of vitamin A and is one of the most reliable ways to provide the skin with vitamin A. On delivery to the deep skin levels, Retinyl converts to Retinol (Vitamin A) which in turn converts to Retinal (Retinaldehyde), before finally converting to Retinoic Acid.

Its ability to stimulate the production of hyaluronic acid, collagen and elastin is why it is considered one of the most potent anti-aging active ingredients. It also accelerates the cell regeneration process, improving the general appearance and texture of the skin and minimising the pore size. For this reason, together with its ability to regulate sebum production, it is commonly found in acne treatment products.

Furthermore, it represses the production of melanin thereby reducing the number and intensity of skin blemishes. Retinyl Palmitate is encapsulated in the Deep Delivery System (DDS) where it is specifically delivered to the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there. The use of DDS enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1 - 10%

## Vegan DDS Tranexamic

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Tranexamic Acid, Cetyl Alcohol, Decyl Glucoside, Potassium Sorbate, Sodium Benzoate, Niacinamide, Xanthan Gum, Sodium Chloride)

Tranexamic Acid is a widely known molecule in medicine which is normally used as an antifibrinolytic owing to its ability to inhibit plasmin. This same property is used in cosmetics to reduce pigmentations since plasmin is involved with melanogenesis. Furthermore, Tranexamic Acid acts on keratinocytes which contain melanin, interrupting the inflammatory process that produces blemishing following external aggressions or injuries such as acne.

Finally, it also reduces increased vascularisation which always accompanies a recurrent hyperpigmentation such as melasma. These three modes of action of Tranexamic Acid, together with the ability of Niacinamide (Vit.B3) to inhibit the transfer of melanosomes and protect the DNA from UV damage, provide a potent treatment for all types of blemishes. It is particularly effective in the treatment of photo induced pigmentations such as, Melasma and Liver spots.

Encapsulated within INdermal's Deep Delivery System (DDS) it enables the Tranexamic Acid to be delivered to the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there. The use of DDS enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely

Recommended usage level: 1 - 10%



## Vegan DDS True Retinol

(INCI: Aqua, Phosphatidylcholine, Pentylene Glycol, Polyglycerul-10 Laurate, Glycerin, Retinol, Cetyl Alcohol, Tocopherol Acetate)

Retinol is the best and most demanded anti-ageing active. It increases skin cell production, helping to exfoliate your skin and increase collagen production. This helps to reduce the appearance of fine lines and wrinkles and, also helps to prevent clogged pores. All these characteristics make Retinol a very useful active ingredient to treat acne, scars caused by acne, melasma spots or wrinkles and expression lines.

Vegan DDS True Retinol contains Pure Retinol without BHT and BHA, only tocopherol acetate as an antioxidant. Encapsulated in the Deep Delivery system, retinol is delivered specifically into the deepest strata of the epidermis for a more intense and precise effect on the structures and cells located there. The use of these deep delivery systems enables up to twelve times the amount of active ingredient to reach the interior of the skin compared to when applied freely.

Recommended usage level: 1 - 10%

## Vegan DDS Vita C

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Sodium Ascorbyl Phosphate, Citric Acid, Cetyl Alcohol, Potassium Sorbate, Sodium Benzoate, Decyl Glucoside, Xanthan Gum, Sodium Chloride)

Sodium ascorbyl phosphate is a derivative of vitamin C (ascorbic acid) widely used in cosmetic products due to its greater chemical stability, versatility and wide range of benefits. The skin enzymes break down the sodium ascorbyl phosphate and deliver active Vitamin C.

Vitamin C is not synthesised by the body and should be delivered from the exterior. It has been shown that its topical application has a strong antioxidant effect, capturing and deactivating oxidised substances and free radicals. At the same time, it inhibits the activation of certain pro-inflammatory cytokines which incorporates anti-irritant, anti-redness and anti-inflammatory effects.

When transported in sufficient amount to the deep layers, difficult to achieve by itself due to its water solubility and chemical fragility, it promotes collagenogenesis, increasing skin elasticity as well as degrading melanin and repressing its synthesis, thereby mitigating photo-aging and hyperpigmentation.

The encapsulated delivery system protects the sodium ascorbyl phosphate against degradation, whilst providing maximum delivery of the active ingredient to the deep skin levels.

Recommended usage level: 1 – 10%

## Vegan FDS Zinc PCA

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Zinc PCA, Cetyl Alcohol, Sodium Benzoate, Sorbitan Oleate, Polysorbate 80, Xanthan Gum, Stearamine, Sodium Chloride, Dimyristoyl Phosphatidylcholine)

Zinc PCA is the zinc salt of the L-PCA (pyrrolidine carboxylic acid) a doubly active complex that provides the skin and hair with the beneficial effects of the zinc and L-PCA.

Zinc is involved not only in the synthesis of the nucleic acids, including the DNA, but also in the synthesis of proteins, cell division and in the structure and coenzymatic activation of many key molecules in the body and the skin. It also prevents the development of microbial infections thanks to its considerable antiseptic properties.

It has been shown that zinc reduces sebum secretion by inhibiting the 5  $\alpha$ -reductase. When joining L-PCA to an active molecule such as zinc, it becomes a physiological vector which optimises its bioavailability and in addition acts as a signalling molecule to stimulate the epidermal differentiation and strengthen the skin barrier function.

Recommended usage level: 1 - 10%

## WASTAR™ PINK BERRY

(INCI: Maltodextrin, Schinus Terebinthifolia Seed Extract)

To support circular beauty and promote the use of eco-conscious ingredients, Wastar™ Pink Berry was designed by valorizing by-products from natural fragrance ingredient manufacturing.

Pink berries are cultivated in Madagascar on family-owned plantations, and the For Life certified supply chain guarantees a socio-responsible sourcing. Once fragrance compounds are extracted, the pink berry by-products are valorized by extracting and concentrating some of the precious active phytochemicals they still contain.

Rich in biflavonoids, Wastar™ Pink Berry soothes irritated scalps and promotes scalp health, whilst reducing the impact of the manufacturing process on the environment.

Recommended usage level: 0.1 - 0.5% preventative; 0.5 - 1% intensive

## WASTAR™ LAVENDER

(INCI: Glycerin, Water, Lavandula Angustifolia Flower/Leaf/Stem/Extract)

To support circular beauty and promote the use of eco-conscious ingredients, Wastar™ Lavender was designed by valorizing by-products from natural fragrance ingredient manufacturing.

Sourced in Provence, in the South of France, where lavender is organically grown. Once lavender essential oil is extracted from fresh sprigs, by-products are valorized by extracting and concentrating some of the precious active phytochemicals they still contain.

Rich in polyphenols, Wastar™ Lavender protects skin from the damage caused by indoor pollution, whilst reducing the impact of the manufacturing process on the environment.

Recommended usage level: 0.1 - 0.5% preventative; 0.5 - 1% intensive

## WildBerry Harvest™ AF

(INCI: Glycerin, Aqua, Syzygium Leuhmanii Fruit Extract, Tasmannia Lanceolata Fruit Extract, Kunzea Pomifera Fruit Extract)

WildBerry Harvest™ AF is composed of 3 'super-berries' with high antioxidant properties. It moisturises and nourishes dry skin for young adults with fast-paced lifestyles.

Recommended usage level: 1 - 5%

## WildLime Harvest™ AF

(INCI: Glycerin, Aqua, Microcitrus Australis Fruit Extract, Citrus Glauca Fruit Extract, Microcitrus Australasica Fruit Extract)

This unique combination of fruit extracts full of citrus acids has been specially selected to naturally exfoliate the skin

Recommended usage level: 1 - 5%

## WildPlum Harvest™ AF

(INCI: Glycerin, Aqua, Terminalia Ferdinandiana Fruit Extract, Podocarpus Elatus Fruit Extract, Pleiogynium Timorense Fruit Extract)

WildPlum Harvest™ AF is a unique combination of Australian Superfruits, specially selected to hydrate, nourish and rejuvenate mature skin for a radiant and younger looking skin.

Recommended usage level: 1 - 2%

# Contact Us

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