

# INFINITY INGREDIENTS

Inspiring Cosmetics

45+



## 45+

Menopausal skin, greasy and spotty skin can often be a problem here due to hormonal imbalances. Transepidermal Water Loss (TEWL) increases due to the skin having a more mono-directional structure rather than cross-hatched. Epidermal thickness also decreases due to lower Collagen and Elastin levels resulting in more saggy and wrinkled skin. It is vital to select efficacious moisturising actives to restore the skin barrier as well as treating spots, wrinkles and the effects of gravity (Collagen boosting activity). Age spots also begin to appear.

### Actimp<sup>®</sup> Powder Bio

(INCI: Hydrolysed Lupin Proteins)

Lupine is a legume whose seeds are very high in protein and contain secondary oil and minor biologically active components. This plant is an important source of molecules for cosmetic and nutritional products. Actimp<sup>®</sup> Powder Bio is a concentrate of Lupine peptides obtained directly from the seeds, using a bio-enzymatic process patented by Laboratoires Expanscience.

This eco-designed active ingredient is sustainably sourced in France and helps strengthen the dermal-epidermal junction by stimulating expression of the essential components of the dermis-epidermis cohesion. It protects the key actors of the dermal matrix by inhibiting metalloproteinases 1, 9, 3 and restores the elastic properties of the skin.

Two versions exist: Actimp<sup>®</sup> Powder Bio\* and Actimp<sup>®</sup> Liquid.

Recommended usage level: 0.01 – 0.2%

### Adipofill'in<sup>™</sup>

(INCI: Water (and) Propanediol (and) Ornithine (and) Phospholipids (and) Glycolipids)

Adipofill'in<sup>™</sup> is an L-Ornithine Amino acid encapsulated in an Ionosome<sup>™</sup> for specific and local action on Adiposites, a remarkable delivery system, designed to mimic lipo filling results for maximum and fast results.

Adipofill'in<sup>™</sup> is able to increase fatty tissue volume for a lipo filling-like effect through a noninvasive method to decrease hollowness under the eyes.

Best Innovation Gold winner, 2012 In-Cosmetics.

Recommended usage level: 0.5 - 2%

## Ascophyllum MicroPlant 50

(INCI: Ascophyllum nodosum powder)

Harvested in the Atlantic Ocean, Ascophyllum Nodosum is recognized for its slimming and firming properties, which makes it interesting for slimming and anti-ageing cosmetic applications.

Considered as a bulking agent providing naturality, Ascophyllum MicroPlant 50 is useful for formulating delightful cosmetic products such as wraps, exfoliating products or in solid cosmetics or toothpaste.

Recommended usage level: 1 - 100%

## Ayuredi®

(INCI: Propanediol, Water, Ocimum Sanctum Leaf Extract)

Eco-designed active ingredient based on Holy basil polyphenols, an Ayurvedic plant sourced in Thailand. AYUREDI® strengthens cell defences to fight skin ageing and under eye wrinkles by protecting the skin from oxidative stress induced by environmental and psychological stresses, and in particular damages linked to cortisol.

Boosts cell energy and breathing to illuminate the skin by protecting and restoring the essential functions of mitochondria, the energy factories of our cells. Reduces inflammation to soothe the skin by decreasing inflammation mediators' production whilst adding glow to the skin. Ideal for anti-ageing, holistic and eye care products.

Recommended usage level: 1 – 3%

## ASCOWHITE

(INCI: Glycerin, Water, Ascophyllum Nodosum Extract)

ASCOWHITE is a clinically validated skin whitening ingredient which significantly decreases skin pigmentation. It is a unique purified fucoidan-phloroglucinol complex, extracted from the brown algae Ascophyllum nodosum by lixiviation in water.

This unique complex of fucoidan with powerful antioxidant polyphenol, makes it an effective and versatile ingredient for whitening application.

Recommended usage level: 2%

## BIOACTIVE TOTAROL™ Powder

(INCI: Totarol Powder)

A world first organic super ingredient sustainably sourced from the fallen New Zealand Totara Tree. Bioactive Totarol™ is a highly potent antioxidant (7 times more potent than vitamin E) and antibacterial (including acne causing bacteria), transforming human health by harnessing 100 million years of nature. In the 1990's international and New Zealand scientists conducted research on the To-tara tree.

They were intrigued by the fact that To-tara wood seemed to survive environmental attacks and degradation. The wood had proved to be virtually unblemished after hundreds of years of growth. After testing it, they discovered that Bioactive Totarol™ located in the heartwood of the tree was the magic ingredient at play.

Bioactive Totarol™ is able to penetrate harmful, pathogenic bacteria and destroy them. It also fights free radicals which are unstable molecules that can damage cells, contributing to many health concerns.

Successfully used in cosmetic formulations for the last 20 years, this highly effective, multi-tasking and versatile ingredient can be used across cosmetics, skin care, oral and pet care products. Offering a microbiome friendly solution for acne, anti-ageing and inflammation.

Recommended usage level: 0.2%

## BIOACTIVE TOTAROL™ T9 Cosmetic

(INCI: Totarol Powder, Helianthus annuus seed oil, Polysorbate 60, Caprylhydroxamic Acid, Glyceryl Caprylate, Glycerin)

A world first organic super ingredient sustainably sourced from the fallen New Zealand Totara Tree. Bioactive Totarol™ is a highly potent antioxidant (7 times more potent than vitamin E) and antibacterial (including acne causing bacteria), transforming human health by harnessing 100 million years of nature. In the 1990's international and New Zealand scientists conducted research on the To-tara tree.

They were intrigued by the fact that To-tara wood seemed to survive environmental attacks and degradation. The wood had proved to be virtually unblemished after hundreds of years of growth. After testing it, they discovered that Bioactive Totarol™ located in the heartwood of the tree was the magic ingredient at play.

Bioactive Totarol™ is able to penetrate harmful, pathogenic bacteria and destroy them. It also fights free radicals which are unstable molecules that can damage cells, contributing to many health concerns.

Successfully used in cosmetic formulations for the last 20 years, this highly effective, multi-tasking and versatile ingredient can be used across cosmetics, skin care, oral and pet care products. Offering a microbiome friendly solution for acne, anti-ageing and inflammation.

Recommended usage level: 0.8-1%

## 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%

## 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%

## CERAFLUID

(INCI: Olive Glycerides, Ceramide NP)

CeraFluid is an exceptionally easy to formulate liquid Ceramide which shows the highest compatibility with skin components thanks to its natural Olive di- and triglycerides base.

It provides long-term hydration as well as improving adhesion amongst Corneocytes, thus regulating skin barrier for water retention and protecting it from external aggression.

It also improves skin elasticity and smoothness and helps to restore the barrier effect leading to protection and prevention of dehydration.

Recommended usage level: 0.5 - 2.5



## 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%

## Corneopeptyl™

(INCI: Glycerin, Water, Hexapeptide-9)

Corneopeptyl™ is a patented peptide biomimetic to the LCE6A protein, obtained by green chemistry-based synthesis. It acts on the skin's surface to strengthen its natural barrier protection. Skin is empowered to tackle premature damage and ageing signs, for both the younger and older generations.

Key benefits include rebuilding the skin barrier 7 days, reducing the appearance of wrinkles and fine lines in 14 days, improving skin tonicity, smoothness and hydration in 28 days and making the skin appear 2 years younger in 28 days with just 1 application per day!

Recommended usage level: 0.1-1%

## CO2LLAGENEER®

(INCI: Helianthus Annuus (Sunflower) Seed Oil and Lupinus Albus Seed Extract)

Lupin is a legume whose seeds are very high in protein and contain secondary oil and minor biologically active components. This plant is an important source of molecules for cosmetic and nutritional products and helps stimulate the economy of South West France, where lupin is grown according to sustainable agriculture principles.

Lupeol, the active molecule in CO2llageneer® is extracted from the hulls of lupin seeds using an original patented and 100% green extraction process.

CO2llageneer® stimulates the generation of high-quality Collagen I, whilst providing elasticity and firmness to the dermis; and remodelling sagging skin areas.

Recommended usage level: 0.5 – 2%

## CYTOFRUIT® WATERS Lemon

(INCI: Citrus Limon Fruit Extract)

CYTOFRUIT® WATERS Lemon is a Cosmos certifiable and circular economy fruit water from the production of Lemon Juice. The Lemons, harvested in the Mediterranean are rich in Vitamin C, Potassium and Citric Acid.

Lemon fruits cleanse and exfoliate dull and oily skins, whilst refreshing and quenching the skin's thirst to provide a radiant glow. In addition, Lemon fruit also offers natural anti-bacterial and astringent properties.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Sweet Orange

(INCI: Citrus Aurantium Dulcis Fruit Extract)

CYTOFRUIT® WATERS Sweet Orange is a Cosmos certifiable and circular economy fruit water from the production of Sweet Orange juice. The fruits are harvested in the Mediterranean and are rich in Vitamin C.

Sweet Orange fruits gently awaken the skin with a cocktail of vitamins, whilst providing a re-energising fresh, fruity zest for a reborn skin.

Thanks to the presence of oligoelements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## EASY-AGEING

(INCI: Glycerin, Aqua, Gigartina stellata extract)

This active is born from a surprising discovery. A marine micro-organism lives in symbiosis with a red algae. It takes action in the digestion of a polysaccharide of the algae by secreting an enzyme called carrageenase. When the algae is attacked, the micro-organism synthesizes an important quantity of enzymes in order to release oligosaccharides, able to activate the repairing and regeneration of the algae.

While most of the anti-ageing products promise to fight the ageing signs and to reverse time, customers often wish to age gracefully. The concept of Easy-Ageing is a positive vision of the ageing process. Healthy-looking skin is closely linked to the main function of our skin, the physical barrier function between our body and the outside world. The epidermis is responsible for maintaining this function. The loss of efficacy of the cell renewal and the decrease of the immune competence are essential factors explaining that an ageing skin appears to be less healthy. They are the essential targets to furnish to the modern consumers with the best anti-ageing.

EASY-AGEING increases the synthesis of the proteins involved into the reinforcement of the stratum corneum as well as enhancing the hydration and the cutaneous barrier function. EASY-AGEING acts on all the levels of the cell renewal of the epidermis by boosting the main steps of the epidermis renewal (Keratin 10, Transglutaminase 1 and Caspase 14 markers).

Recommended usage level: 1%

## DefensoWin™

(INCI: Ectoin)

A powerful pure molecule from a specific selected bacterial strain from cutting edge bio-fermentation technology.

This probiotic works by balancing the skin microenvironment to help prevent acute environmental stress whilst providing superior moisturisation and improving skin barrier function. Ectoin possesses excellent anti-acne properties and is clinically tested to provide high skin cell protection against osmotic stress.

Recommended usage level: 0.5 - 2%

## Effipulp®

(INCI: Persea Gratissima (Avocado) Fruit Extract, Maltodextrin)

Avocado research has been one of Expanscience's areas of excellence for the past 40 years, especially in Peru where Expanscience owns a plant to transform them through a patented process. This expertise is now illustrated by a number of patents.

Effipulp® is a concentrate of peptides resulting from an enzymatic hydrolysis of delipidated avocado pulp, obtained through a green process that respects the fruit's naturalness. This avocado pulp is exclusively developed by experts at the Laboratoires Expanscience to stimulate the endogenic synthesis of Hyaluronic Acid and increase the volume of the epidermis.

Thanks to its detoxifying effect, Effipulp® restores cellular function.

Recommended usage level: 0.1 – 0.6%

## Elix-IR™

(INCI: Water (and) Glycerin (and) Polygonum Aviculare Extract)

Extracted from Knotgrass, Elix-IR™ is the first botanical active ingredient designed to specifically target Infra'Ageing™ (infrared-induced skin ageing) and to protect the elastic fibres of papillary and reticular Dermis from sun damage, in order to prevent premature ageing appearing after repeated sun exposure.

Recommended usage level: Preventive anti-aging care:0.5 - 1% Intensive treatment & protective sun care:2%

## EquiBiotics™ LRh

(INCI: Maltodextrin, Lactobacillus Ferment)

Probiotic-derived active ingredient obtained from *L. rhamnosus* LRH020 tyndallization process that naturally supports the resident microbiota through the promotion of commensal bacteria. It is able to exert a "prebiotic" effect on Synbalance® strains to promote probiotic growth as efficiently as glucose. EquiBiotics™ LRh strengthens the skin barrier and its natural defences to promote the skin ecosystem along with well-being by preventing the colonisation of pathogens. It significantly reduces TEWL, redness and wrinkle depth whilst improving elasticity and firmness. Ideal for biotic serums, active make-up, protective lotions, soothing gels, strengthening creams and skin relief treatments.

Recommended usage level: 0.5 - 2.0%

## Epin'Derm

(INCI: Bisabolol, Mauritia flexuosa fruit oil)

Epin'Derm by Citróleo Group acts as a protective, firming, soothing, repairing, antioxidant, anti-inflammatory, rejuvenating, anti-aging, anti-wrinkle and anti-pollution agent. It is a 100% natural complex proven to decrease wrinkles and fine lines of skin. It is rich in fatty acids, carotenoids (provitamin A) and natural antioxidants.

It promotes immediate lifting effect, improves firmness, lightness and elasticity of the skin. It repairs damages and protects the skin barrier against pollution and various external aggressors. It has a beneficial effect on the process of tissue repair by neutralising free radicals as well as anti-inflammatory, anti-irritant and post-sun and depilatory soothing action, aiding in the prevention of skin aging.

It is a natural alternative to retinoids and synthetic actives. It is suitable for face and body skin in the prevention and treatment of wrinkles, sagging, prolonged hydration. Epin'Derm is used in sun products and post-sun action and post hair removal products.

Recommended usage level: 0.1 - 3%

## EUK-134™

(INCI: Ethylbisiminomethylguaiacol Manganese Chloride)

EUK-134™ is a highly purified molecule that mimics Superoxide Dismutase (SOD) and Catalase activities. It scavenges Superoxide free radicals, eliminates Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) and transforms ROS into water and Oxygen which are beneficial for the skin and as a radio therapy treatment ingredient.

EUK-134™ has the unique capacity of regenerating itself during its scavenging action. Thereby, EUK-134™, by itself, represents a complete nature-mimetic antioxidant system that can be used as an active cosmetic ingredient to limit premature ageing, reduce photo-ageing, protect the skin and its DNA from sun damage, and decrease redness.

Recommended usage level: 0.01 - 0.05%



## Evicare<sup>®</sup> toco sun

(INCI: Tocopherol)

Evicare<sup>®</sup> toco sun is a natural mixed tocopherol. With our single sourcing strategy we can guarantee that it is non-GMO quality sourced from Sunflower seeds (*Helianthus annuus*) and no other vegetable oil is added afterwards. A pure product from just one vegetable origin – hence the simplified INCI name compared to other suppliers. Evicare<sup>®</sup> toco sun – in contrast to tocopherols from other sources is high in alpha tocopherol (>90%), which is the isomer with highest biological activity in the skin.

Evicare<sup>®</sup> toco sun is the fully natural and unmanipulated alternative to alpha tocopherol that is usually chemically derived from mixed tocopherols or even purely synthetic. Suitable for all emulsions and oil-based products and a very effective happy-ageing active for the skin.

Recommended usage level: 0.05 - 0.3%

## Exo-T<sup>™</sup>

(INCI: Butylene Glycol (and) *Vibrio Alginolyticus* Ferment Filtrate)

Exo-T<sup>™</sup> has demonstrated a higher activity than Retinoic acid in the stimulation of desquamation markers. Exo-T<sup>™</sup> is a potent inducer of differentiation markers; it protects the Collagen network and thus contributes to skin regeneration. Exo-T<sup>™</sup> improves skin smoothness leading to an even skin complexion.

Exo-H<sup>™</sup> and Exo-T<sup>™</sup> regenerate skin texture and natural hydration for a smooth, radiant and healthy looking skin complexion.

Recommended usage level: 1 - 3%

## Exo-H<sup>™</sup>

(INCI: Butylene Glycol (and) *Alteromonas* Ferment Filtrate)

Exo-H<sup>™</sup> restores Hyaluronic Acid secretion in aged skin cells, stimulates lipid synthesis, supports the DEJ and induces Filaggrin expression in the skin. It's also Cosmos certified!

Exo-H<sup>™</sup> helps maintain an optimal skin barrier function and has excellent hydrating properties due to its action on natural moisturising factors and lipid synthesis, making it ideal for dry skin.

When used together, Exo-H<sup>™</sup> and Exo-T<sup>™</sup> regenerate skin texture and natural hydration for a smooth, radiant and healthy looking skin complexion.

Recommended usage level: 1 - 3%

## FUCOREPAIR

(INCI: Hydrolysed fucoidan)

FUCOREPAIR is composed of fucoses designed for anti-ageing skin care products and are particularly suitable for sensitive skins. Fucoidans are insoluble high molecular weight (50-1000 kDaltons) polymers composed of sulfated fucose. They are known to be involved in a wide range of biological activities, including stimulation of cellular metabolism and immunomodulation.

FUCOREPAIR acts by regulating the balance between deterioration and repair of extracellular matrix to decrease the wrinkles and the redness on the skin, thereby reversing the signs of ageing. Wrinkle depth is significantly reduced compared to placebo.

Recommended usage level: 1.5%

## Green Tea MicroPlant 50

(INCI: Camellia sinensis leaf)

Green tea is known for its antioxidant properties and a perfect cleansing agent with a pleasant taste. It is mainly used as a facial treatment, anti-ageing, slimming thanks to its richness in caffeine but also for cleansing the oral cavity.

Considered as a bulking agent providing naturality, our Green Tea MicroPlant 50 is useful for formulating solid and powder cosmetic products such as: face and hair masks, powder cleanser, anti-ageing lotion, cleansing foam body wraps, slimming cream or solid toothpaste.

Recommended usage level: 1 - 100%

## Hyaluronic Tucuma Pro

(INCI: Astrocaryum Vulgare Fruit Oil)

100% natural BioActive sustainably upcycled with zero waste from the tropical pulp of the Tucuma fruit. Hyaluronic Tucuma offers excellent antioxidant properties and has high levels of carotenoids.

This bioactive stimulates the synthesis of hyaluronic acid in cells exposed to UV radiation by 44%, in addition to protecting this molecule from photodegradation by 88%.

This means not only strengthening the body's natural defences against the effects of ultraviolet radiation, but also reversing damage, such as cell ageing. Ideal for sun care, lip balms, make-up and moisturisation.

Recommended usage level: 0.5-5% hair and make-up; 0.5-3.0% body and facial cleansers; 0.5-5% body, face and bar soaps.

## Hierogaline®

(INCI: Triticum Vulgare (Wheat) Germ Oil Unsaponifiables, Sesamum Indicum (Sesame) Oil Unsaponifiables)

Hierogaline® is a concentrate of precious molecules, the unsaponifiable elements of sesame and wheat oil (10-15%), extracted by molecular distillation. This original patented process was developed by recognised experts at the Laboratoires Expanscience.

Responsibly sourced from Europe and Africa, Hierogaline® protects skin from external aggressions and repairs skin after sun exposure.

Recommended usage level: 0.2 – 2%

## Hydra-T

(INCI: Tremella fuciformis polysaccharide )

Native to China, the Tremella fuciformis is also known as the "snow mushroom" is considered a gift from nature. With its translucent colour and gelatinous texture, it is traditionally used in Chinese medicine to refine women's beauty. HYDRA-T is 100% natural and Cosmos compliant.

It contains a low molecular weight natural hyaluronic acid, which can penetrate deeply into the skin. As we all know, Hyaluronic acid is a compound naturally present in the dermis that acts as a molecular sponge, where it is able to fix up to 1000 times its weight in water. Its function is to ensure the hydration of the skin, whilst helping form the connective tissue of the dermis to support collagen and elastin fibres.

It plays a fundamental role in the density and tone of the skin, but over the years, the production of hyaluronic acid by the body tends to decrease (a decline of around 6% per decade), which causes the appearance of the first wrinkles and fine lines on the surface of the epidermis. It is therefore advantageous to incorporate active ingredients rich in hyaluronic acid, such as Tremella fuciformis to the dermis as part of an anti-ageing strategy.

HYDRA-T is rich in polysaccharides and protects the skin whilst improving the impermeability of the skin barrier. Easy to formulate and does not induce a tightening effect on the skin. Ideal for use in anti-ageing cream, body care, decorative cosmetics and hair care.

Recommended usage level: 0.1 - 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-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, antioxidant, 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%

## Insapolive

(INCI: Olea Europae (olive) Oil)

Insapolive is a 100% vegetable emollient, composed of Olive Oil unsaponifiable, rich in sterols and squalene. It participates actively in hydrating and soothing skin, whilst also acting as a co-emulsifier. Sterols and squalene are naturally present respectively in our alimentation (oils) and at the surface of our skin, and have an important action on the epidermis hydration. Ideal for sensitive, dry and mature skin.

Recommended usage level: 5-10%

## Immunight<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.

Immunight<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)

## 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%

## Kahai Oil

(INCI: Caryodendron orinocense nut oil )

Kahai Oil is a 100% natural anti-aging oil, extracted by cold pressing the nuts of the Cacay tree. Its high content of natural Vitamin E, F & Retinol nourishes, softens and repairs damaged skin and hair. Kahai Oil revitalises the skin returns radiance, reduces fine lines and wrinkles, and giving it a long lasting hydration.

For haircare, it provides shine and silkiness, and also prevents split ends. Kahai Oil contains 50% more Vitamin E and twice the amount of Linoleic Acid than Argan oil; and it has 3 times more Retinol than Rose Hip Oil.

Recommended usage level: Various

## Lanablue<sup>®</sup>

(INCI: Sorbitol (and) Water (and) Algae Extract)

Lanablue<sup>®</sup> blue colour (no colour when formulated) is due to the natural pigment of Phytosienine. An extract of Endemic Cyanophyleae harvested in wild conditions, Lanablue<sup>®</sup> has a high content of group B vitamins, amino acids and specific pigments. It acts like natural Retinoids (without the side effects) on Keratinocyte differentiation, thus smoothing and densifying the epidermis.

Lanablue<sup>®</sup> influences different markers such as: Filaggrin, marker of cell differentiation, it contributes to maintaining skin hydration and liberates natural moisturising factors; Loricrin, marker of Corneocyte differentiation; Calgranulin A, Calgranulin B and Psoriasin, markers of basal proliferation, involved in skin repair process; TIMP 1 (Tissue Inhibitor of Metalloproteinase-1), natural inhibitor of Matrix Metalloproteinase (MMP) which regulates the integrity of the Extracellular structure.

Recommended usage level: 1 - 5%

## Kollaren<sup>®</sup>

(INCI: Water (and) Dextran (and) Tripeptide-1)

Kollaren<sup>®</sup> is a biomimetic Peptide derived from a signal Peptide. Kollaren<sup>®</sup> increases the firmness of the skin by activating the Extracellular Matrix Proteins synthesis (Collagen, Elastin, Fibronectin and Laminin). With its tissue repair properties, Kollaren<sup>®</sup> encourages tissue renewal and restores the biomechanical properties of the skin.

Kollaren<sup>®</sup> is the perfect tool to fight the ageing process, reduce the appearance of sagging skin, wrinkles and other manifestations of skin ageing.

Recommended usage level: 1 - 10%

## MaxReti 100

(INCI: Vitamin A Palmitate)

Retinol is well known as a highly effective collagen boosting agent.

Collagen and elastin are the key proteins responsible for youthful skin. Exposure to UV, stress and other external factors lead to collagen degradation, one of the main causes of premature ageing.

We offer Vitamin A Alcohol (Retinol) , which is Retinol in its pure, crystalline form.

Recommended usage level: 0.01 - 0.1%

## MaxReti 10B

(INCI: Retinol, Soybean Oil, BHT)

MaxReti 10B is an easy to handle solution of Retinol in soybean oil stabilised with the antioxidant BHT

Recommended usage level: 0.01 - 0.1%

## MaxReti 50B

(INCI: Retinol, Polysorbate 20, BHT)

MaxReti 50B is a water miscible solution of Retinol in Polysorbate 20 stabilised with BHT.

Recommended usage level: 0.02 - 0.2%

## MaxReti 50T

(INCI: Retinol, Polysorbate 20, Tocopherol)

MaxReti 50T is a water miscible solution of Retinol in Polysorbate 20 stabilised with dl alpha tocopherol.

Recommended usage level: 0.02 - 0.2%

## MaxReti RP

(INCI: Retinyl Palmitate)

MaxReti RP (stabilised with Tocopherol) is referred to as the "normalising" vitamin and is recommended for use in beauty care.

It is readily absorbed by the skin and is effective in reducing the number and depth of wrinkles and lightening pigmented spots when applied locally.

Recommended usage level: 0.01 - 0.1%

## MaxReti 15B

(INCI: Retinol, Caprylic/Capric Triglyceride, BHT)

MaxReti 15B is an easy to handle solution of 15% Retinol in Caprylic/Capric Triglyceride stabilised with BHT.

Recommended usage level: Recommended concentration of Retinol concentration: 0.15 - 1.5%

## MaxReti 50BB

(INCI: Retinol, Polysorbate 20, BHA, BHT)

MaxReti 50BB is a water miscible solution of Retinol in Polysorbate 20 stabilised with BHA and BHT.

Recommended usage level: 0.02 - 0.2%

## MaxReti 50TC

(INCI: Retinol, Caprylic/Capric Triglyceride, Tocopherol)

MaxReti 50TC is an easy to handle solution of Retinol in Caprylic/Capric Triglyceride stabilised with dl alpha tocopherol.

Recommended usage level: Recommended concentration of Retinol concentration: 0.15 - 1.5%

## Melanostatine<sup>®</sup> 5

(INCI: Water (and) Dextran (and) Nonapeptide-1)

Melanostatine<sup>®</sup> 5 is an Oligopeptide with a high affinity for MC1-R.

Melanostatine<sup>®</sup> 5 is a Biomimetic Peptide antagonist specific to  $\alpha$ -MSH (Alpha Melanocyte Stimulating Hormone).

As an antagonist, Melanostatine<sup>®</sup> 5 competes against the natural ligand ( $\alpha$ -MSH) on its specific receptor (MC1-R) to prevent any further activation of the Tyrosinase, and thus blocking Melanin synthesis, stopping unwanted pigmentation, allowing for control over skin tone and brown spots. China compliant.

Recommended usage level: 4 - 8%

## MelinOil™

(INCI: Isopropyl Palmitate, Lecithin, Aqua, Acetyl Hexapeptide-1)

MelinOil™ is an oil-soluble version of a patented  $\alpha$ -MSH biomimetic peptide. The smart lipophilisation technology used in MelinOil™ leads to a transparent micro dispersion of the peptide in an oil allowing its formulation into clear oil-based products.

MelinOil™ binds MC1-R both on melanocytes and keratinocytes to stimulate the natural skin defence system against sun and also stimulate melanin production in the hair bulb to reverse the signs of greying (hair and beards).

MelinOil™ acts effectively and simultaneously on melanogenesis to improve natural cell UV protection by melanin, on DNA repair to limit photo ageing and on the inflammatory cascade to soothe sun-ravaged skin.

Recommended usage level: 0.5 - 5%

## Noni Juice

(INCI: Morinda citrifolia fruit juice)

Deeply rooted in traditional Tahitian culture, Noni has been used for over 2000 years by the Polynesian people and is considered as a remedy and widely used as a medicinal plant.

Noni juice is said to have immunostimulatory, analgesic and anti-inflammatory properties, and protects the body from various diseases whilst delaying ageing.

In cosmetic applications it is known for its vitalising, energising and stimulating properties.

Recommended usage level: 1 – 10%

## Miniporyl™

(INCI: Isopentyldiol, Trifolium Pratense (Clover) Flower Extract)

Miniporyl™ is extracted from Red Clover Extract and titrated in Biochanin A to purify and rebalance skin. The enlargement of pores is caused by Corneocytes retaining their nucleus which cause pores to clog. As a result skin loses tonicity and firmness.

Miniporyl™ improves Keratinocyte differentiation to obtain nucleus free Corneocytes as well as inhibiting 5 $\alpha$ -reductase activity to decrease sebum production. Overall the size and appearance of pores is reduced.

Recommended usage level: 0.5 – 1.0%  
Preventative face care 1.0 – 2.0% Intensive face care

## Organic Ascophyllum Water

(INCI: Ascophyllum nodosum extract, Citric acid, Sodium benzoate, Potassium sorbate)

This brown algae is coming from Atlantic Ocean and is known for its slimming assets. Ascophyllum is ideal to formulate firming and anti-ageing cosmetic products.

Organic Ascophyllum Water is obtained by evaporation and condensation of fresh Ascophyllum nodosum. It offers formulators the opportunity to replace water in formulations. It is also a perfect way to increase the organic percentage while saving earth's primary resources.

Recommended usage level: 1 - 100%

## Organic Snail Slime

(INCI: Snail secretion filtrate)

The composition of snail slime includes Allantoin for regeneration and healing; Collagen and Elastin to aid skin elasticity; Glycolic acid to reduce wrinkles, acne and hyperpigmentation; Polysaccharides to improve hydration; Peptide Antibiotics act as a protective barrier by destroying pathogens; sugars for moisturisation; Vitamin A, C and E to protect and soften the skin; and Essential Trace Elements allowing cells to work well.

The harvesting method is made in accordance with Annex 1 of Treaty of Rome which respects animal's well-being, which enables to get the Ecocert Greenlife certification according to Cosmos Standard. The extraction is from secretion from the "Petit gris" Hélix Aspersa Müller (the only slime recognised for its active principles).

Recommended usage level: Hand cream: 0.2 to 1.5%; Body cream: 0.5 to 1%; Make-up removing water: 0.2 to 0.8%; Eye contour: 0.2 to 2%; BB Cream: 0.5 to 2%; Facial mask: 0.2 to 3%; Serum: 0.8 to 4%; Regenerating cream (anti-wrinkle, stain-resisting): 2 - 8%; Anti-acne cream: 4 to 8%; Cream in burn scars and grafts: 5 to 8%

## PrincipHYAL<sup>®</sup> Cube3

(INCI: Sodium Hyaluronate)

PrincipHYAL<sup>®</sup> Cube3 is a full-spectrum biotechnological fraction of Sodium Hyaluronate that targets short-term anti-ageing effects. A unique 3-in-1 ingredient which quickly improves the global epidermis health thanks to a strengthening of the barrier function of the skin.

Skin shows an immediate lifting effect when evaluated by elasticity, smoothness, number and depth of wrinkles, synthesis of neoelastin, and a general improvement of the skin aspect.

CUBE3 also enhances skin penetration of other lipophilic and hydrophilic active ingredients to optimise their activity

Recommended usage level: 0.5 - 1.0

## Organic Undaria Water

(INCI: Undaria pinnatifida extract, Citric acid, Sodium benzoate, Potassium sorbate)

Coming from the Atlantic Ocean, Undaria Pinnatifida is also known as Wakame and is ideal for sensitive and mature skin. Rich in antioxidant and oligo elements, it is an ally to formulate anti-ageing cosmetic products.

Organic Undaria Water is obtained by evaporation and condensation of fresh Undaria pinnatifida and offers formulators the opportunity to replace water in formulations. It is also a perfect way to increase the organic percentage while saving earth's primary resources.

Recommended usage level: 1 - 100%

## PrincipHYAL<sup>®</sup> Difference

(INCI: Sodium Hyaluronate)

PrincipHYAL<sup>®</sup> Difference is a full-spectrum biotechnological fraction of Sodium Hyaluronate that targets long-term anti-ageing effects. DIFFERENCE is a specific fraction that targets skin wrinkles, by increasing skin elasticity.

This anti-wrinkle activity (clinically evaluated in-vivo on smoothness, roughness, wrinkleness, scaliness, and wrinkle number) results in an overall visible improvement in global Epidermal health.

Recommended usage level: 0.5 - 1.0



## PrincipHYAL<sup>®</sup> Line

(INCI: Sodium Hyaluronate)

Top quality Sodium Hyaluronate for cosmetic applications. Different actions linked to different molecular weights.

Range of Molecular Weights available:

PrincipHYAL (10)  
PrincipHYAL (10-50)  
PrincipHYAL (50-100)  
PrincipHYAL (200-400)  
PrincipHYAL (400-600)  
PrincipHYAL (600-800)  
PrincipHYAL (800-1000)  
PrincipHYAL (1000-1400)  
PrincipHYAL (1400-1800)  
PrincipHYAL (1800-2200)

Recommended usage level: 0.1 - 2%

## PrincipHYAL<sup>®</sup> Signal-10

(INCI: Hyaluronic Acid)

PrincipHYAL<sup>®</sup> Signal-10 is a fast-track moisturiser derived from a stable extremely low molecular weight (standardised at less than 10 kDa) oligomer of Hyaluronic Acid.

SIGNAL-10 acts very quickly as it permeates more efficiently than classic forms of Hyaluronans. This stimulates the proliferation and regeneration of Fibroblasts, and gives a fast improvement in skin of moisturisation and elasticity.

Ideal for developing products where speed is everything and TURBO cosmetics is the concept.

Recommended usage level: 0.1 - 0.5

## PrincipHYAL<sup>®</sup> Oligo

(INCI: Hyaluronic Acid)

Top quality Hyaluronic Acid for cosmetic applications.

Ideal to formulate anti-ageing and moisturising cosmetic products.

Recommended usage level: 0.1 – 2.0%

## Progeline<sup>™</sup>

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

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

A new study has shown that Progeline<sup>™</sup> 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%

## 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)

## Sculptessence™

(INCI: Water (and) Glycerin (and) Linum Usitatissimum (Linseed) Seed Extract Bio: Betula Alba Juice (and) Glycerin (and) Linum Usitatissimum (Linseed) Seed Extract)

Sculptessence™ is a natural remodeller derived from Linseed, which compensates for ageing disorders in three ways of actions: skin hydration, stimulation of GAG's synthesis and protection of Collagen.

Its unique Polyholosides hydrate skin and reverse sagging disorders to redesign the outline of the face without the need for surgery.

Recommended usage level: 3 - 5%

## SCB Manuka Honey

(INCI: Glycerin, Water, Honey Extract )

SCB Manuka Honey is produced from sustainable plantations without environmental degradation and then extracted using Aqueous process. Derived from the Leptospermum scoparium honey of New Zealand SCB Manuka Honey contains natural active ingredients which will help nourish and regenerate the skin.

Key properties include: antimicrobial, anti-inflammatory effects, may help regenerate the skin perfect for acne scars and prevent premature aging. Helps nourish skin and hair.

Recommended usage level: 0.5 - 20%

## Sesaline® Bio

(INCI: Sesamum Indicum (Sesame) Oil Unsaponifiables)

Sesame is used in oil form and has excellent stability properties. It contains two powerful natural antioxidants: sesamin and sesamolin, which are unique to sesame oil.

Sesaline® is a concentrate of precious molecules, the unsaponifiable elements of sesame oil (10-15%), extracted by molecular distillation. This original patented process was developed by recognised experts at the Laboratoires Expanscience.

Sustainably sourced from Africa this natural antiradical shield protects skin against external aggressions whilst improving skin elasticity.

Recommended usage level: 0.2 - 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

## 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%

## 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%

## 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 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 (Oligopeptide-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 Enoxolone

(INCI: Aqua, Mannitol, Phosphatidylcholine, Glycerin, Polyglyceryl-10 Laurate, Cetyl Alcohol, Sodium Benzoate, Potassium Sorbate, Glycyrrhetic Acid, Xanthan Gum)

Enoxolone, derived from licorice root, is extensively used in Chinese natural medicine for its anti-inflammatory, antioxidant, and antimicrobial properties. It inhibits the enzyme 11-hydroxysteroid dehydrogenase, reducing inflammation and offering benefits like preventing DNA fragmentation, itchiness in dermatitis and promoting skin tone evenness.

Enoxolone is a superior alternative to hydrocortisone for treating conditions such as, eczema, dermatitis, psoriasis, acne, sunburn, and hyperpigmentation. Encapsulated within DDS (Deep Delivery System), which is composed of mainly phospholipids and membrane stabilisers, it contains the right amount of penetration enhancers and edge activators that help the system reach the desired cells for maximum efficacy. Once there, Enoxolone helps soothe and calm irritated skin, reduces the appearance of age spots and protects the skin from free radical damage whilst moisturising the skin making it softer and smoother.

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 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 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-ageing 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%

## $\alpha$ -Lupaline<sup>®</sup>

(INCI: Lupinus Albus Seed Oil, Triticum Vulgare (Wheat) Germ Oil Unsaponifiables)

The wheat germ is the “living” part of the seed containing all of the components necessary for the plant’s future growth. The oil extracted from the wheat germ is widely used in cosmetics and food products for its nutritional properties, and because it is rich in essential fatty acids (72%) and vitamin E.

Lupin is a legume whose seeds are very high in protein and contain secondary oil and minor biologically active components. This plant is an important source of molecules for cosmetic and nutritional products.  $\alpha$ -Lupaline<sup>®</sup> is a concentrate of precious molecules, the unsaponifiable elements of the wheat germ, combined with lupin oil. The unsaponifiable element of the wheat oil is extracted using molecular distillation, an original patented process developed by recognised experts at the Laboratoires Expanscience.

$\alpha$ -Lupaline<sup>®</sup> protects the skin against oxidative stress generated by daily exposition to light: IR, UV and blue light. It preserves cell integrity and functions by preventing the degradation of DNA, cell membranes and proteins whilst preserving skin firmness and elasticity.

Recommended usage level: 0.1 – 1%

## **β-White™**

(INCI: Water (and) Butylene Glycol (and) Hydrogenated Lecithin (and) Sodium Oleate (and) Oligopeptide-68 (and) Disodium EDTA)

β-White™ is a TGF-β Biomimetic peptide encapsulated in a Liposome vehicle. It differentiates itself from other traditional whitening agents with its unique inhibitory action on the MITF (responsible for Tyrosinase and the enzymes involved in the pigment cascade TRP-1 and TRP-2) cellular pathway to decrease constitutive and facultative pigmentation with an excellent safety profile.

Compatible with AHA to enhance exfoliation, increase penetration of peptide and aid whitening.

Recommended usage level: Intensive whitening: 2.5 - 5% Lightening care and skin illuminator: 0.5 - 1% Corrective care and age-spot: 1 - 2.5%

# Contact Us

Interested?

Then contact the Infinity team  
for more information:

T: 01344 354 900

E: [technical@infinity-ingredients.co.uk](mailto:technical@infinity-ingredients.co.uk)

W: [infinity-ingredients.co.uk](http://infinity-ingredients.co.uk)