



INFINITY GREDIENTS

Inspiring Cosmetics

Skin Whitening & Brightening

Skin Whitening & Brightening

Skin colour, which is dependent on the type and amount of Melanin present along with the number of active Melanocytes, is an important attribute of beauty. Asian cultures associate lighter and even complexion with higher social status compared to Western cultures, for whom a tanned complexion is associated with a healthy glow. Demand for skin lightening products that achieve a fairer and lighter complexion is on the increase, but they are also an excellent tool to fight age- related hyperpigmentation (age spots).

Exposure to the sun accelerates the production of Melanin and results in the skin becoming darker. In skin lightening/ brightening products it is therefore essential to incorporate an SPF >15, a good exfoliator and skin lightening/brightening actives.

There are a number of active substances for lightening the skin in the Cosmetics market and each has a different functional mechanism. Generally, they inhibit the activity of the Tyrosinase enzyme. A number of skin lighteners such as Arbutin, Hydroquinone and Kojic Acid can have a damaging effect on the skin. Therefore, natural preparations for skin lightening are now preferred for modern day cosmetic products.

Exfoliants

Amiperfect ER

(INCI: Gaultheria Procumbens (Wintergreen) Leaf Extract)

Amiperfect ER is the first 100% natural salicylic acid molecule extracted from wintergreen. This amazing alternative to synthetic salicylic acid is an all-natural product, which provides the effects of a recognised powerful cosmetic ingredient for a bright complexion, due to it being a powerful cellular regenerator.

It is the cosmetic ally of mature, dull or oily skin with blemishes. This 100% natural high-tech ingredient yields a perfect, radiant complexion as well as purified, smoothed skin. Optimum pH conditions 3 - 5.

Recommended usage level: $\leq 3\%$ in rinse-off hair products and $\leq 2\%$ for other products.

MultiSal[®] Multilayer

(INCI: Sodium Starch Octenylsuccinate, Butyrospermum Parkii (Shea) Butter, Hydrated Silica, Glycerin, Cocamidopropyl Dimethylamine, Lactic Acid, Phenylethyl Resorcinol, Water, Sodium Hydroxide, Palmitoyl Tripeptide-5)

MultiSal[®] Multilayer (MS ML) is an anti-ageing system composed of multiple functional compartments within a single microsphere, designed to target multiple layers of the skin for an effective and comprehensive skin rejuvenation.

The technology contains AHA, Lactic acid to exfoliate and moisturise the skin; a potent antioxidant (Phenylethyl Resorcinol) for brightening along with a unique blend of peptides that reaches the deeper layer of the skin to stimulate collagen synthesis.

MS ML is stable in a variety of lotions and creams.

Recommended usage level: 2 - 5%

MultiSal™ Salicylic Acid

(INCI: Hydrolyzed Corn Starch
Octenylsuccinate, Cocamidopropyl
Dimethylamine, Glyceryl Stearate, Salicylic
Acid, Hydrated Silica, Glycerin)

MultiSal® technology extends the release of Salicylic acid (SA) onto the skin. It exposes the skin to very small amounts of acid over a longer time, rather than one large amount all at once, as is the case with free SA. This unique feature allows higher levels of SA to remain on skin over several hours. The end result is longer-lasting efficacy and acne-fighting power without irritation.

Suitable for anhydrous applications such as, soap bars, on-the-go sticks, body powders, and cosmetics. As well as rinse-off whereby the MultiSal™ technology provides enhanced efficacy due to the cationic nature of the surface of the shell allowing superior adhesion to the skin.

Recommended usage level: Up to 5% (0.5% Salicylic acid)

Scrubamis®

(INCI: Various (contact us))

Scrubamis® are 100% natural exfoliating scrubs for formulating exfoliating milks, gels and foaming products. The particles can adapt perfectly to facial or body care for a complete range of exfoliation products.

Made from fruit pits and shells these 100% natural and effective exfoliating particles can be used when formulating any exfoliating cosmetic product. Available in several particle sizes (50/200, 200/300, 300/400, 400/500 and 500/800), Scrubamis® can be used to exfoliate all skin types, including the most sensitive.

The finest particles are ideal for gentle facial exfoliation and the largest particles are recommended for body scrubs. For optimum suspension use Amigel® (natural gelling agent).

Recommended usage level: 0.2 to 10%, depending on application.

Silicami[®]

(INCI: Hydrated silica)

Silicami[®] is a highly pure white silica powder for use in the formulation of exfoliating cosmetic products. It effectively removes dead skin cells to bring radiance and softness to the skin. Its mineral exfoliating particles are 100% natural, offer all of the benefits of a mild exfoliant and works for all skin types.

Silica (also known as “silicon”) is a mineral that occurs naturally in the form of silica dioxide (SiO₂). Used in the health industry as an additive in medicines and food, silica dioxide is perfectly safe and is ideal for any type of face or body exfoliating emulsions or gels; exfoliating rough skin areas such as, elbows, knees and heels; and anti-dandruff shampoos. For optimum suspension use our natural gelling agent Amigel[®].

Recommended usage level: 1 to 5%, depending on application.

Skin Lightening / Brightening

Açaí Oil

(INCI: Euterpe oleracea)

Açaí is a fruit rich in vitamins, fatty acids (omega 3, 6, 9) and antioxidants. It shows nutritious, moisturising and protective properties for the skin against negative actions of external agents. It is effective in hyperpigmentation treatments, skin blemish and dark circles. With sensory action, giving a velvety texture to the skin.

Recommended usage level: 1- 5 %

AlphaWhiteness[®]

(INCI: Bisabolol and Euterpe oleracea fruit oil)

AlphaWhiteness[®] is a new natural whitening active with proven efficacy which promotes the lightness, softness, recovery and uniformity of the skin. It intervenes in the production of melanin, inhibiting the enzyme tyrosinase, the rate of α -MSH and the transference of pigments to the keratinocytes, decreasing the melanogenesis and skin darkening.

Recommended usage level: 0.1 - 3%

BeautySYN Bright

(INCI: Dextran, Origanum Vulgare Leaf Extract, Butylene Glycol)

BeautySYN Bright provides a prolonged skin luminosity effect from an innovative and patented technology which entraps the Origanum Vulgare Leaf (Oregano) in a natural polymer controlling its release over time and aiding stability.

Oregano contains Polyphenols which are known for their antioxidant properties and inhibiting Tyrosinase. BeautySYN Bright helps to significantly reduce the number of dark spots after 30 days of application, whilst also acting as a whitening treatment to target pigmentations disorders.

BeautySYN Bright improves the overall skin complexion by improving skin radiance and reducing skin redness and dark spots.

Recommended usage level: 1.0 - 1.5

G2Light

(INCI: Butylene Glycol, Glycyrrhiza Glabra Root Extract)

A Glycyrrhiza flavon only found in the root of Glycyrrhiza Glabra, which is traditionally known for its skin whitening activity. Extracted using a 100% green and natural process, G2Light is suitable for natural skin lightening formulations.

In vivo studies show G2Light to inhibit the production of melanin, whilst providing depigmentation and lightening properties. G2Light can also be used to combat hyperpigmentation and dark spots (in vivo data) as well as stretch marks related to UV exposure.

Recommended usage level: 0.3 - 1.5%

BOREALINE® AURORA

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

Boréaline® 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. Boréaline® 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.

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

Boréaline® 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%

IBR-CLC®

(INCI: Hydrogenated Polydecene, Dunaliella Salina Extract)

IBR-CLC® is colorless carotenoids, phytoene and phytofluene, naturally produced and extracted from the unicellular algae Dunaliella sp.

The colorless carotenoids are natural carotenoids with UV or non-visible color; these colorless carotenoid products exhibit unique anti-oxidation capability against hydroxyl radicals, light absorption at the UVA and UVB range and hence protection from UV light; anti-inflammatory activity; inhibition of collagenase formation; and skin whitening and brightening.

Recommended usage level: 3 - 5%; Concentrated version 0.1 - 2%

IBR-CLC[®] Concentrated in Squalane

(INCI: Squalane, Dunaliella Salina Extract)

IBR-CLC[®] Concentrated in Squalane by IBR acts as an anti-ageing, photo-aging, skin whitening, anti-oxidant and anti-inflammatory active. It is a colorless carotenoid for beauty inside and outside. It contains no preservative.

Protects against UV damage, photo oxidation and sunburn and prevents DNA damage. It evens skin tone by inhibiting melanin synthesis. Possess significant UV absorbance capacity. Protects and enhances the other active ingredients and their activity.

IBR-CLC[®] Concentrated in Squalane 0404 is used in anti-ageing, whitening skin care and sun care products.

Recommended usage level: 0.1 - 2%

IBR-CLC[®] in Jojoba Oil

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

IBR-CLC[®] in Jojoba Oil is a EcoCert-approved colorless carotenoid for beauty inside and outside. Contains no preservative. Protects against UV damage, photo oxidation and sunburn and prevents DNA damage.

Possess significant UV absorbance capacity. Protects and enhances the other active ingredients and their activity. Validated for use in natural and organic formulations. Used in anti-ageing, whitening skin care and sun care products.

Recommended usage level: 3 - 5%

IBR-Dragon®

(INCI: Hylocereus Undatus Fruit Extract)

IBR-Dragon® is an aqueous extract obtained from white Pitaya. Prebiotic activity supports the growth of beneficial bacteria to allow them to better compete with detrimental ones. Reinforces the skin barrier function (TEWL decrease).

IBR-Dragon® provides instant and long term skin that looks bright and luminescent. Provides an immediate brightening (also lightens under eye area) and mattifying effect.

Recommended usage level: 1 - 5%

IBR-TCLC® in Jojoba Oil

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

IBR-TCLC® in Jojoba Oil by IBR is an aqueous serum obtained from tomato fruit 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® in Jojoba Oil is used in anti-ageing skin care, whitening, hair care and sun care products.

Recommended usage level: 0.1 - 2%

IBR-TCLC[®] in Squalane

(INCI: Squalane, Solanum Lycopersicum (Tomato) Fruit Extract)

IBR-TCLC[®] in Squalane is an aqueous serum obtained from tomato fruit to balance cell proliferation and optimise maturation. Acts as an anti-ageing, anti-oxidant, anti-inflammatory, UV absorbance, skin whitening and anti-dandruff active.

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Used in anti-ageing skin care, whitening, hair care and sun care products.

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%

Melanostatine® 5

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

Melanostatine® 5 is an Oligopeptide with a high affinity for MC1-R.

Melanostatine® 5 is a Biomimetic Peptide antagonist specific to α -MSH (Alpha Melanocyte Stimulating Hormone).

As an antagonist, Melanostatine® 5 competes against the natural ligand (α -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%

MultiSal® Multilayer

(INCI: Sodium Starch Octenylsuccinate, Butyrospermum Parkii (Shea) Butter, Hydrated Silica, Glycerin, Cocamidopropyl Dimethylamine, Lactic Acid, Phenylethyl Resorcinol, Water, Sodium Hydroxide, Palmitoyl Tripeptide-5)

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MS ML is stable in a variety of lotions and creams.

Recommended usage level: 2 - 5%

MultiSal[®] White

(INCI: Hydrolyzed Corn Starch, Caprylic/Capric Triglyceride, Phenylethyl Resorcinol, Hydrated Silica)

MultiSal White is an encapsulation technology that brightens skin and evens skin tone. The active ingredient encapsulated within this system is phenylethyl resorcinol (PER). PER influences the formation of pigmentation and is used as a lightening and brightening ingredient in skin care products. It is a synthetic compound and reliable whitening agent that is partially derived from natural compounds found in scotch pine bark.

When directly compared to B-Arbutin, PER was shown to be more effective than 1.0% kojic acid. MultiSal White's botanical extract blend helps to correct and prevent the appearance of hyperpigmentation while supporting a healthy skin barrier.

Recommended usage level: 1 - 5%

ROSALITY[™]

(INCI: Pentylene Glycol, Rosa Damascena Flower Water, Rosa Damascena Flower Oil)

Revolutionary cosmetic ingredient, Rosality[™] uses the high activity of scented molecules from fresh and sustainable Damask rose petals to protect women's stressed skin exposed to an intense, fast-paced and stressful lifestyle as well as to a fierce environment.

Rosality[™] is able to activate a never-described-before skin olfactory receptor (OR2AG2) responsible for the cutaneous anti-stress and anti-fatigue action of the product, whilst also regulating cell metabolism affected by various stressors to resist stress-induced damage.

Rosality[™] reduces the appearance of visible signs of stress and fatigue for a more rested, relaxed and refreshed appearance.

Recommended usage level: 0.1 - 0.5%: preventive care
0.5% - 1%: intensive care

SalSphere™ Light

(INCI: Water, Glyceryl Stearate, Alpha Arbutin, Polysorbate 80, Phenoxyethanol, Ethylhexylglycerin, Resveratrol)

SalSphere® Light is a delivery system of alpha arbutin and resveratrol designed to treat dark spots, melasma and post-inflammatory hyper-pigmentation on skin.

Suitable for leave-on skin care and anti-ageing applications such as, lotions, gel-creams, concealers, spot treatments and serums. As well as natural formulations (95% natural).

Recommended usage level: 2.5 - 5%

Tyrostat™

(INCI: Tyrostat-09: Water (and) Glycerin (and) Rumex Occidentalis Extract Tyrostat-11: Water (and) Glycerin (and) Rumex Occidentalis Extract (and) Ascorbic Acid)

Tyrostat™ is a natural skin whitening agent from Rumex species native to Northern Canada. It is edible, safe and globally registered. Tyrostat™ 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.

Two grades are available: Tyrostat™ 09 (offers a minimum of 75% inhibition) and Tyrostat™ 11 (contains Ascorbic acid and guarantees a 95% 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 Ellagic

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

Ellagic Acid is a polyphenol extracted primarily from the pomegranate skin. The function of the Ellagic acid is to protect the pomegranate from UV radiation and microorganisms.

Ellagic acid has a strong antioxidant action that neutralises cell deterioration caused by free radicals which are in turn generated by contamination, tobacco smoke, UV light or IR radiation, all of which accelerate skin ageing. Its most significant property however, is that it has a large illuminating and homogenising effect on skin tone owing to its inhibitory action against melanogenesis. This is particularly indicated for yellowing skin and for people who smoke.

It also protects collagen and elastin against enzymatic degradation thereby providing a considerable anti-premature ageing effect. Ellagic acid is encapsulated in INdermal's 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 Kojic

(INCI: Aqua, Mannitol, Phosphatidilcoline, 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, Phosphatidilcoline, 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 Resveratrol

(INCI: Aqua, Mannitol, Phosphatidilcoline, 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 Tranexamic

(INCI: Aqua, Mannitol, Phosphatidilcoline, 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%

β-WhiteTM

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

β-WhiteTM 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
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