



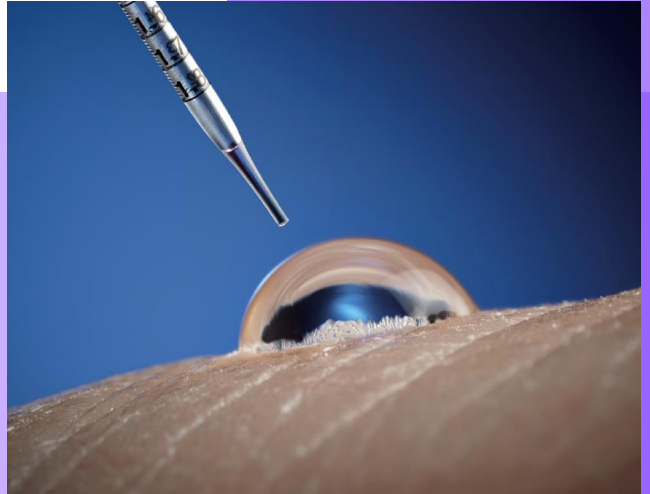
# ACTIVE INGREDIENTS CATALOGUE

SKIN PERFECTION



# SKINPERF LWG

## ANTI IMPERFECTION GLOW



### KEY POINT

It has exfoliating, anti blemish, anti black head action and it can improve acne scars.

### DESCRIPTION

SKINPERF LWG (Lamellar Water Gel) consists of a lamellar biomaterial developed by green chemistry and a cocktail of AHAs adsorbed onto it. When applied onto the skin, it behaves as a reservoir, providing a prolonged and more efficient release of the acids with lower irritation.

### MECHANISM OF ACTION

LWG technology delivers a progressive and controlled diffusion of AHAs into the skin. It allows working with lower % of AHAs while maintaining an exfoliating performance similar to classical AHAs treatments.



### EX VIVO TEST

Human skin explants (39 year old donor) → Analysis of desquamating effectiveness, analysis of inflammation-inducing effect.



### IN VIVO TEST

- 17 volunteers aged 21 to 50 → Evaluation of skin depigmentation.
- 24 volunteers aged 34 to 64 → Evaluation of the absence of irritant effects.

Evaluation of effect on skin bright and imperfections.  
Visualisation of the effect on acne scars.

### INCI NAME

Aqua, Glycolic Acid, Lactic Acid, Sodium Magnesium Silicate, Citric Acid, Xanthan Gum

### CLAIMS

Anti ageing  
Glow  
Anti imperfection

### IDEAL FOR

Resurfacing serum  
Smoothing glow cream  
Anti blemishes treatments  
Acne/blackheads gel

### ORIGIN

Biotechnology

### HYDRO/LIPO

Dispersible in water phase

### DOSAGE

2%

### FORMULATION SUGGESTIONS

#### INCORPORATION IN AQUEOUS

**PHASE:** can be introduced with or without

pre-dispersion under strong share in emulsion, milk, standard and complex gels.

Cannot be formulated in a liquid lotion but rather in a jellified lotion.

#### INCORPORATION IN OILY

**PHASE:** difficult with low viscosity phase, the product tends to form transparent droplets that fall down to the bottom. We recommend to formulate in phases with higher viscosity like oily gel or balm.

#### IMPACT ON THE pH OF THE

**FORMULATION:** slightly decreases the pH of formulation but less than with free AHAs.

**NEW**

# VF-LINO

**WHITENING  
SKIN PERFECTING**



## KEY POINT

A whitening active ingredient capable to accelerate epidermal turnover.

## DESCRIPTION

Esterified version of "Vitamin F" or linoleic acid.

## MECHANISM OF ACTION

It accelerates epidermal turnover.



## EX VIVO TEST

Melanogenesis inhibition study using NHEMs & NHEKs.

Melanosome turnover study using co-culture.

Keratinocyte proliferation study.



## IN VIVO TEST

5 Asian women (20-30 year old) → pre-clinical study on scattered spots at 2%.

20 Asian women (20-55 year old. 60% of patients were above 40 years old) → full clinical study on PIH at 2%.

## INCI NAME

Ethyl linoleate

## CLAIMS

Whitening

Skin perfecting

Active on skin pigmentation

## IDEAL FOR

Brightening concealer

Skin Perfecting product line

## ORIGIN

Natural:

Linoleic acid from Safflower oil

Ethyl alcohol from plant feedstock

## HYDRO/LIPO

Lipo

## DOSAGE

1%-2%

## FORMULATION SUGGESTIONS

Oil-soluble active ingredient easily soluble in ester or hydrocarbon oils.

To be added after emulsification process, avoiding hot temperature.

Use of antioxidant in the formula is recommended.

## CERTIFICATIONS



# UME EXTRACT (B)-BG

SKIN PERFECTING  
ANTI GLYCATION



## KEY POINT

A natural extract from Japanese apricot to erase brownish yellow skin tone, which is called “Kusumi” in Japanese and which is caused by glycation in the skin.

## DESCRIPTION

Hydroglycolic extract of the fruits of Prunus mume (Japanese apricot).

## MECHANISM OF ACTION

It acts as an inhibitor of glycation reactions the cause skin elasticity loss and determine AGEs (Advanced Glycation End Products) responsible of the yellowish tone typical of aged skins. Butylene Glycol used is from vegetal source.



## IN VIVO TEST

9 volunteers → application of a cream containing 2% of Ume Extract (B)-BG & placebo cream → Skin tone by Colorimeter and elasticity by cutometer. Skin elasticity and “Kusumi” were improved along with skin brightness and the red tone in the skin after UME EXTRACT (B)-BG cream application.

## INCI NAME

Aqua, Butylene Glycol, Prunus Mume Fruit Extract

## CLAIMS

Anti ageing  
Anti glycation  
Skin perfecting

## IDEAL FOR

Anti ageing cosmetic products

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

2%

## FORMULATION SUGGESTIONS

No particular formulation restriction

## CERTIFICATIONS



# SILVER VINE EXTRACT BG30

**LIGHTENING  
ANTI POLLUTION**



## KEY POINT

A natural extract maintaining translucent skin and avoiding environmental skin damage.

## DESCRIPTION

Hydroglycolic extract of Actinidia Polygama, plant typical of est Asia.

## MECHANISM OF ACTION

It improves skin translucency by inhibition of protein carbonylation in the stratum corneum, moisturization, promotion of glutathione synthesis and inhibition of melanin synthesis.



## IN VIVO TEST

14 healthy women → 1% Silver Vine Extract BG30 essence & placebo essence → Collection of the SC to check carbonylation levels and assessment of skin translucency by a dermatologist.

## INCI NAME

Aqua, Butylene Glycol, Actinidia Polygama Fruit Extract

## CLAIMS

**Lightening  
Skin perfecting  
Anti pollution**

## IDEAL FOR

Skin lightening cosmetic products

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

1%

## FORMULATION SUGGESTIONS

No particular formulation restriction

# JAPANESE MAPLE LEAF EXTRACT (B)-BG

HEALTHY SKIN COMPLEXION



## KEY POINT

A Japanese botanical extract that symbolizes the beauty of autumn with efficacy on red spots on face area.

## DESCRIPTION

Hydroglycolic extract of the leaves of *Acerum palmatum*, a tree native of Japan, with activity on skin redness.

## MECHANISM OF ACTION

It improves the skin redness induced by vascular endothelial growth factor via inhibition of HtrA1 activity. Butylene Glycol used is from a vegetal source.



## IN VIVO TEST

12 volunteers, 2% Japanese Maple Extract formulated gel and placebo gel → Evaluation with VISIA appearance.

## INCI NAME

Aqua, Butylene Glycol, *Acerum Palmatum* Extract

## CLAIMS

Skin perfecting  
Healthy skin complexion

## IDEAL FOR

Skin perfecting line  
Sensitive skin formula  
Anti redness formula

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

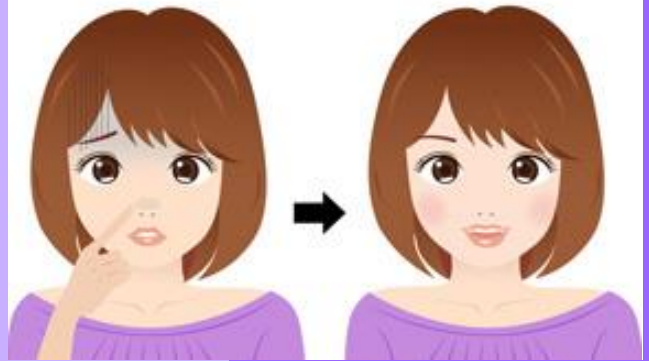
2%

## FORMULATION SUGGESTIONS

No particular formulation restriction

# LPA

## PORE REDUCTION PORE EREASER



### KEY POINT

Ultimate active ingredient for reduction of pore size.

### DESCRIPTION

Obtained from soy lecithin by enzymatic hydrolysis, it contains 20-30% of lysophosphatidic acid.

### MECHANISM OF ACTION

It promotes corneocytes differentiation, ceramide and filaggrin production and the formation of epidermal tight junctions.



### IN VITRO TEST

Evaluation of LPA on cells.



### EX VIVO TEST

3D skin model → application of LPA → evaluation of ceramide content in epidermis.

Human Keratinocytes → evaluation of LPA on tight junction proteins synthesis.



### IN VIVO TEST

11 volunteers → evaluation of LPA on pore size reduction.

8 volunteers → evaluation of pore reduction.

### INCI NAME

Lecithin, Lysolecithin, Lysophosphatidic Acid

### CLAIMS

Pore reduction  
Pore eraser

### IDEAL FOR

Pore reduction cosmetic line

### ORIGIN

Synthesis

### HYDRO/LIPO

Hydro

### DOSAGE

0,1%

### FORMULATION SUGGESTIONS

No particular formulation restriction





# SIRHAMNOSE

## ANTI AGEING SKIN PERFECTING

### KEY POINT

Organic complex of silicium and rhamnose with anti age properties.

### DESCRIPTION

A skin perfectionist that acts in dermo epidermal junction.

### MECHANISM OF ACTION

It stimulates production of collagen IV and VII and other proteins of dermo-epidermal junction.



### IN VITRO TEST

Organic silicium increases keratinocyte proliferation in HRE → Better skin hydration and protection.

Organic silicium increases HA production by keratinocytes → Better skin hydration and smoothness.

Organic silicium increases keratinocytes' ability to support fibroblast proliferation → Silanols improve cell communication.

Organic silicium increases old fibroblast proliferation and their ability to synthesize collagen → collagen booster effect.



### EX VIVO TEST

Sirhamnose improves the attachment of extracellular matrix from the dermis to the dermo-epidermal junction.

The organic silicium core improves rhamnose penetration and therefore activity.

Enhanced skin protection and hydration and skin plumping effect.



### IN VIVO TEST

Dermatological evaluation has shown that a treatment with SIRHAMNOSE outstandingly improves hydration. Optimized skin barrier function and skin microcirculation.

Skin architectural improvement were verified by the PRIMOS study with a obvious wrinkle decrease and a large smoothing effect.

VISIA statistical analysis RBX Red shows that a treatment with SIRHAMNOSE drastically reduces skin redness.

Dermatological evaluation has shown that a treatment with SIRHAMNOSE delivers even skin tone. VISIA analysis showed SIRHAMNOSE reduces dark spots intensity.

Dermatological evaluation has shown that a treatment with SIRHAMNOSE increases: Skin vitality, young aspect, strength, healthier aspect.

### INCI NAME

Aqua, Methylpropanediol, Rhamnose, Silanetriol, Citric Acid

### CLAIMS

Anti age  
Skin perfecting

### IDEAL FOR

Anti aging skin care.  
Skin restructuration.  
Skin preparation for optimal healing.  
Improvement of barrier function.

### ORIGIN

Synthesis

### HYDRO/LIPO

Hydro

### DOSAGE

3%-6%

### FORMULATION SUGGESTIONS

No particular formulation restriction

### CERTIFICATIONS



# EPIDERMOSIL

**LIFT EFFECT**  
**SKIN PERFECTING**



## KEY POINT

Hyaluronic acid with anti age, skin perfecting and lift properties.

## DESCRIPTION

Low MW hyaluronic acid complexed with a silanol.

## MECHANISM OF ACTION

It stimulates cell renovation, it improves skin barrier function, it is a moisturizer.



## IN VITRO TEST

EPIDERMOSIL improves progenitor cells environment. The re-epitheliazation study demonstrates EPIDERMOSIL fast and efficient regenerative potential (cells proliferation and migration).

Organic silicium increases keratinocyte proliferation in HRE → Better skin hydration and protection.

Organic silicium increases keratinocyte secretion of HA → Better skin hydration and smoothness.

Organic silicium increases keratinocytes' ability to support fibroblast proliferation → Silanols improve cell communication.

Organic silicium increases old fibroblast proliferation and their ability to synthesize collagene → Collagen booster effect.



## EX VIVO TEST

Improved quantity of HA capable of reaching the epidermis basal layer. It stimulates epidermis thickening.

Model system that mimics surface lipids decrease with skin aging and/or seasonal stress → After 3 hours, EPIDERMOSIL maintained an equivalent quality of NMF expression under stress conditions.



## IN VIVO TEST

The evaluation of clinical efficacy was performed on the subject by a dermatologist → PRIMOS evaluation, Images VISIA CR → massive wrinkles reduction and ovale lifting.

## INCI NAME

Sodium Hyaluronate, Silanetriol, Aqua, Butylene Glycol

## CLAIMS

**Anti age**  
**Lift effect**  
**Skin perfecting**

## IDEAL FOR

Anti aging skin care.  
Skin restructuration.  
Improvement of barrier function.  
Skin preparation for optimal healing.  
Lifting effect.

## ORIGIN

Synthesis

## HYDRO/LIPO

Hydro

## DOSAGE

3%-6%

## FORMULATION SUGGESTIONS

No particular formulation restriction

## CERTIFICATIONS



# PHORMISKIN BIOPROTECH G

**GLOW/MATTIFYING  
SKIN PERFECTING**



## KEY POINT

It promotes thioredoxine production by keratinocytes and fibroblasts, slowing down ageing process and giving brightness to complexion.

## DESCRIPTION

An active derived from growing the ancestral micro-algae Phormidium persicinum in a photo-bioreactor.

## MECHANISM OF ACTION

It helps to protect against UVs and to decrease the generation of free radicals. It preserves scavengers integrity and activates repairing and de novo mechanisms.



## EX VIVO TEST

Human skin explants → Identification of pyrimidine dimers and Caspase by immunolabelling. Before and after UVs stress: quantification of Sun Burn Cells by immunolabelling.

Human dermal cultivated fibroblasts → Analysis of cells density by Hoechst coloration.

B16 melanocytes → Evaluation of Phormoskin Bioprotech G on melanogenesis.



## IN VIVO TEST

15 volunteers aged between 45 and 65 years → Evaluation of global homogeneity of the complexion.

## INCI NAME

Maris Sal, Maltodextrin

## CLAIMS

**Anti ageing  
Glow/Mattifying  
Detoxifying  
Skin perfecting**

## IDEAL FOR

An overall anti-ageing product  
A skin perfecting product

## ORIGIN

Marine

## HYDRO/LIPO

Hydro

## DOSAGE

2%

## FORMULATION SUGGESTIONS

Formulate below 50°C.

## CERTIFICATIONS





# VC-IP

## ANTI PIGMENTATION DNA PROTECTION

### KEY POINT

A whitening agent that is also a repairing factor for hair cuticle.

### DESCRIPTION

Liposoluble derivative of Vitamin C, with improved percutaneous absorption and stability.

### MECHANISM OF ACTION

It promotes collagen synthesis, it is a strong whitening agent and it inhibits membrane lipid peroxidation.



### EX VIVO TEST

Human Cells → Various concentrations of VC-IP were added to cultured human melanoma cells → The amount of melanin produced was measured by observation of the color tone of each cell pellet.

3D skin model containing melanocytes (MEL) → Test samples were applied from top of the skin model and melanocyte morphology was evaluated after 1 week. Cell survival was evaluated in the skin model after the test.

3D skin model → Evaluation by HPLC of VC-IP permeation.

Cells were treated with the medium containing various concentrations of VC-IP or ascorbic acid (AsA) → After 2 h incubation, cells were homogenated and the content of free ascorbic acid were determined using HPLC.

VC-IP was added at various concentrations to human fibroblasts (NB1RGB) → After 3 days of cultivation, the cell growth rate was measured by MTT reduction assay.

Proline involved in collagen synthesis was labeled by 3H and added to human dermal fibroblasts (NHDF) with various concentrations of VC-IP/L-ascorbic acid and cultivated for 24 hours → Collagen fractions were obtained → The amount of 3H taken into the collagen fraction was measured by using a liquid scintillation counter and slot blotter.

VC-IP was added at concentrations of 10-50µmol/L to human dermal fibroblasts (NHDF) → After a 48-hour cultivation, secreted material was obtained → The activity of two types of collagen degrading enzymes, MMP-2 (72kDa) and MMP-9 (92kDa), in the secreted material were evaluated by gelatin zymography.

Cells exposed to UVB rays, a cancer suppressor → p53 protein is activated in response to DNA damage → The amount of expressed p53 was measured as an indicator of the amount of damage to DNA.

VC-IP and L-ascorbic acid were added at the concentration of 10µmol/L to epidermal cells → Cells were then irradiated with UVB → After a 24-hour cultivation cell survival rate was measured by WST-1 assay.

Comet Assay test → Evaluation of DNA damage.

### CLAIMS

Anti-Pigmentation  
Age Spots  
Anti oxidation  
DNA Protection  
Hair cuticle repairing

### IDEAL FOR

Whitening cosmetic products  
Anti acne cosmetic products  
Hair care cosmetic products

### ORIGIN

Synthesis

### HYDRO/LIPO

Lipo

### DOSAGE

0,5%-3%

### FORMULATION SUGGESTIONS

To be use in combination with chelating agents.

**IN VIVO TEST**

30 volunteers → Inner side of volunteer's upper arm → Evaluation of reduction of UV-induced pigmentation.

10 patients with age spots and acne (16-45 years old) → Application of aqueous gel with 10% VC-IP → Visual evaluation of improvement.

8 volunteers → Evaluation of human skin penetration of VC-IP and Ascorbyl Glucoside.

6 volunteers → VC-IP (10% in mineral oil) was applied to the inner forearms → UVB (2.05 J/cm<sup>2</sup>) was used to irradiate the test site 4 hours after application → The production rate of squalene peroxide was measured as an indicator of sebum oxidation.

**INCI NAME**

Ascorbyl Tetraisopalmitate

**CLAIMS**

Anti-Pigmentation

Age Spots

Anti oxidation

DNA Protection

Hair cuticle repairing

**IDEAL FOR**

Whitening cosmetic products

Anti acne cosmetic products

Hair care cosmetic products

**ORIGIN**

Synthesis

**HYDRO/LIPO**

Lipo

**DOSAGE**

0,5%-3%

**FORMULATION SUGGESTIONS**

To be use in combination with chelating agents.

# BRIGHT OLÉOACTIF

**BRIGHTENING  
ANTI DARK SPOT**



## KEY POINT

This active ingredient is dedicated to skin brightening, whitening and reduction of hyperpigmentation.

## DESCRIPTION

Extract of licorice and marshmallow roots and rice bran in rapeseed oil.

## MECHANISM OF ACTION

Inhibition of the production of endothelin-1 in keratinocytes, which inhibits melanocyte differentiation.

Inhibition of endothelin-1-induced activation of the intracellular signal transduction pathway, which inhibits melanocyte proliferation.

Dose-dependent inhibition of the tyrosinase enzyme (an in-tubo tyrosinase inhibition study proves that 0,5%, Bright Oléoactif inhibits 88% of the tyrosinase activity).

Inhibition of the coloration of pre-existing melanin pigments.



## IN VIVO TEST

20 Asian women (30-70 years old ): Evaluation of Skin pigmentation.

## INCI NAME

Brassica Campestris Seed Oil, Glycyrrhiza Glabra Root Extract, Polyglyceryl-3 Diisostearate, Althaea Officinalis Root Extract, Oryza Sativa Bran Extract

## CLAIMS

**Brightening  
Whitening  
Anti dark spot**

## IDEAL FOR

Brightening Skin Care  
Whitening Skin Care  
Reduction Of Hyperpigmentation  
Global Anti ageing  
Whitening / Sun Care Products

## ORIGIN

Vegetable

## HYDRO/LIPO

Lipo

## DOSAGE

0,5%-2%

## FORMULATION SUGGESTIONS

In the fatty phase before emulsification or directly in anhydrous.

## CERTIFICATIONS



# SALLIC-210

ANTI ACNE  
ANTI INFLAMMATION



## KEY POINT

Exfoliation and antimicrobial properties from a salicylic acid derived.

## DESCRIPTION

50% micro encapsulated salicylic acid with high water solubility.

## MECHANISM OF ACTION

It promotes cellular renewal in epidermis.



## IN VITRO TEST

Anti microbial effect:  
the microorganisms (E.coli, S.aureus, P.aeruginosa, C.albicans) were separately introduced to 4% of BioGenic Sallic-210 solutions and incubated at optimal temperatures for each microorganisms. The numbers of microorganisms were measured every 2,7,14,21 and 28 days → The result shows that BioGenic Sallic-210 has an anti-microbial effect according to CTFA microbiology guidelines.



## IN VIVO TEST

4 volunteers have applied 4% of Biogenic Sallic-210 serum on their acnes twice a day for 2 weeks → The actual lesion decreases were observed for all volunteers.

12 volunteers have applied 4% of BioGenic Sallic-210 serum to their forearms twice a day for 2 weeks. The melanin amount was measured using Mexameter → The result showed that BioGenic Sallic-210 has a similar efficacy compared to salicylic acid on exfoliating.

12 volunteers - 24 Hours occlusive patch → Skin irritation was not observed.

## INCI NAME

Salicylic acid, Dextrin, Polydextrose, Amylopectin, Niacinamide

## CLAIMS

Anti microbial  
Keratolytic effect  
Anti acne  
Anti inflammation  
Exfoliation  
Sebum control  
Skin brightening

## IDEAL FOR

Transparent skin toner  
Serum  
Cream  
Body lotion

## ORIGIN

Synthetic

## HYDRO/LIPO

Hydro

## DOSAGE

4%

## FORMULATION SUGGESTIONS

Dissolve Sallic-210 in water phase or post-adding step.

# ARTEMISIA CAPILLARIS EXTRACT BG

SKIN BRIGHTENING



## KEY POINT

A natural extract with whitening properties.

## DESCRIPTION

Hydroglycolic extract of the flowers of Artemisia capillaris.

## MECHANISM OF ACTION

It has whitening activity due to inhibition of melanin transfer from melanocytes to keratinocytes.



## IN VIVO TEST

12 healthy Japanese females (Age: 20 ~ 35) → Inner upper arm application of a cream containing 2% of Artemisia Capillaris Extract BG & placebo cream → 3 times daily for 3 weeks including the days of UVB irradiation → evaluation of Skin lightness (L\* value) by colorimeter.

## INCI NAME

Aqua, Butylene Glycol, Artemisia Capillaris Extract

## CLAIMS

Whitening  
Skin brightening  
Anti oxidant  
Anti inflammation

## IDEAL FOR

Whitening products

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

1%-2%

## FORMULATION SUGGESTIONS

No particular formulation restriction



# ROSE FRUIT EXTRACT BG-01

**PORE REDUCING  
LONG LASTING IN MAKE UP**



## KEY POINT

Multi effective ingredient to reduce visible pores.

## DESCRIPTION

Hydroglycolic extract of the fruits of *Rosa multiflora*. It has a remarkable shrinking effect of skin pores.

## MECHANISM OF ACTION

SOD-like, anti-peroxidase and whitening activity.



## IN VIVO TEST

8 healthy male and female volunteers (Average age: 35) → 1% Rose Fruit Extract-r lotion & control lotion → Twice daily on each cheek for 1 month → Pore volume was measured by replica method. Replica's shadow was captured by CCD camera.

15 healthy females (aged between 20 and 60) → Powder foundation with polymer beads containing Rose fruit extract (solid) → Application on whole face, once a day for 6 weeks → Evaluation of Trans epidermal water loss.

32 healthy females (aged between 20 and 60) → Powder foundation with polymer beads containing Rose fruit extract (solid) → Simultaneous application of foundations on each side of the face, single application → Evaluation of photo in the morning and evening of the application day.

## INCI NAME

Aqua, Butylene Glycol, Rosa Multiflora Extract

## CLAIMS

**Pore reducing  
Astringent effect  
Moisturizing  
Long lasting in make up  
Skin care effect make up  
(moisturizing effect)**

## IDEAL FOR

Pore reducing cosmetic products  
Active make up

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

1%-2%

## FORMULATION SUGGESTIONS

No particular formulation restriction

# NONI JUICE (B)-BG

## SKIN PERFECTING



### KEY POINT

Skin perfecting and moisturizing thanks to a natural extract of Indian Mulberry.

### DESCRIPTION

Juice obtained from the fermentation of the fruits of *Morinda citrifolia* (Indian Mulberry), in hydroglycolic solution. Butylene Glycol is from vegetal source.

### MECHANISM OF ACTION

It improves skin barrier function by promoting Cornified Envelope (CE) maturation.



### IN VITRO TEST

Promotion of Transglutaminase-1 synthesis & Involucrin synthesis → Noni Juice (B)-BG enhanced the involucrin and transglutaminase-1 synthesis to maintain a fine stratum corneum. Noni Juice (B)-BG enhanced not only Involucrin synthesis but also Loricrin synthesis, another important protein to form mature CE.



### EX VIVO TEST

Promotion of CE maturation test → Promotion effect of CE maturation in the SC.

Tape-stripped CE was treated with test samples for 24h and CE maturation level was evaluated → Noni Juice (B)-BG enhanced the CE maturation in SC 10.5% more than purified water.



### IN VIVO TEST

10 subjects making dry skin by SDS and then apply the test samples → Evaluation of the trans epidermal water loss and photo shooting. Noni Juice (B)-BG Improved the skin's appearance.

### INCI NAME

Butylene Glycol, Aqua, *Morinda Citrifolia* Fruit Juice

### CLAIMS

Skin perfecting

### IDEAL FOR

Moisturization cosmetic lines

### ORIGIN

Vegetable

### HYDRO/LIPO

Hydro

### DOSAGE

1%

### FORMULATION SUGGESTIONS

No particular formulation restriction

# BOTANICAL EXTRACT COMPLEX B

WHITENING  
ANTI SPOT



## KEY POINT

Botanical complex with anti-pigmentation effect.

## DESCRIPTION

A natural booster containing Scutellaria Root Extract, Mulberry Extract, Licorice flavonoids, Artemisia Capillaris extract and Jujube Extract.

## MECHANISM OF ACTION

It reduces spots by a combination of different mechanism of actions.



## EX VIVO TEST

Collecting corneocytes by tape stripping Measuring surface area of corneocytes → It has overwhelmingly strong effects in comparative studies with frequently-used skin lightening active ingredients.

## INCI NAME

Aqua, Butylene Glycol, Glycyrrhiza Glabra Root Extract, Zizyphus Jujuba Extract, Artemisia Capillaris Extract, Scutellaria Baicalensis Extract, Morus Alba Root Extract

## CLAIMS

Whitening  
Anti spot  
Skin perfecting  
Lightening

## IDEAL FOR

Anti spot and whitening  
formulations

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

1%-2%

## FORMULATION SUGGESTIONS

No particular formulation  
restriction



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