



# **ACTIVE INGREDIENTS CATALOGUE**

**BURNING LIFE REHAB  
DETOX  
ANTI POLLUTION**

 **PRODOTTIGIANNI**



# BLUE OLÉOACTIF

**NEW**

**BLUE LIGHT SHIELD  
ANTI POLLUTION**



## KEY POINT

Blue Oléoactif blocks pollutants penetration into the skin. It is effective to protect cells from external aggressions.

## DESCRIPTION

It reduces deleterious effects of pollutants. Blue Oléoactif is effective to boost repairing system of cells. Thus, it protects DNA and other cellular components of damaging effects induced by these toxic compounds.

## MECHANISM OF ACTION

Anti-inflammatory and soothing, it promotes cells communication, moisturizes, reinforces barrier function of epidermis and boosts skin radiance. It repairs, nourishes skin. It contains photoprotective carotenoids and antioxidant tocopherols. It is a powerful shield against the attacks of free radicals generated by environmental assaults.



## EX VIVO TEST

Selection of 2 Caucasian females skin explants (55 and 57 years old) to demonstrate BLUE Oléoactif efficacy to boost defense and repair systems of cells.

## INCI NAME

Glycine Soja Oil, Polyglyceryl-3 Diisostearate, Oryza Sativa Extract /Glycine Soja Oil, Polyglyceryl-3 Diisostearate, Oryza Sativa Germ Extract, Oryza Sativa Extract

## CLAIMS

**Anti pollution  
Protection  
Defense  
Detox  
Blue light shield**

## IDEAL FOR

Anti pollution cosmetic products  
Detox cosmetic line  
Blue light defense

## ORIGIN

Natural

## HYDRO/LIPO

Lipo

## DOSAGE

1%

## FORMULATION SUGGESTIONS

No particular formulation restriction

## CERTIFICATIONS



**COSMOS  
APPROVED**



# ACTIBIOME

## REBALANCING OF THE MICROBIOTA



### KEY POINT

It is an active with a varied and balanced composition which strengthens and re-balances the biodiversity of cutaneous flora to eliminate redness and blemishes.

### DESCRIPTION

It is a combination of various components providing a variety of nutrients to support the biodiversity and homeostasis of the skin microbiota:

Sugars, a source of organic carbon for energy.

Peptides, a source of organic nitrogen for growth.

Exopolysaccharides known for their involvement in intercellular communication and their protective properties against environmental stress.

Minerals for developing diversified flora.

### MECHANISM OF ACTION

It reverses the imbalance and the microbiota returns to its initial condition.



### IN VIVO TEST

After applying twice daily for 1 week, Actibiome improves the uniformity of the complexion, the skin is more beautiful and in better health.

### INCI NAME

**Actibiome PE:** Aqua, Maris Aqua, Glycerin, Laminaria Digitata Extract, Chlorella Vulgaris Extract, Saccharide Isomerate, Phenoxyethanol, Ethylhexylglycerin

**Actibiome GPA:** Glycerin, Aqua, Maris Aqua, Laminaria Digitata Extract, Chlorella Vulgaris Extract, Saccharide Isomerate, Phenethyl Alcohol

### CLAIMS

Rebalancing of the microbiota

Skin perfecting

Reduces redness and blemish

### IDEAL FOR

Skin Care for sensitive skin  
City line Skin Care products

### ORIGIN

Synthesis

### HYDRO/LIPO

Hydro

### DOSAGE

1%-2%

### FORMULATION SUGGESTIONS

No particular formulation restriction

### CERTIFICATIONS





# CITYGUARD+

## DETOX ANTI POLLUTION



### KEY POINT

Decreases eye-bags and lines due to skin sagging.

### DESCRIPTION

Low molecular weight alginic acid in sea water enriched with nutrients (biopterin) released by a microalgae.

### MECHANISM OF ACTION

Stimulates ATP synthesis and polymerization of actin fibres to fight against Extra-Cellular Matrix slackening.

Improves skin firmness under the eyes, reduces the volumes of sagging bags and smoothens lines.

Immediate action on eye-bag volume observed by users.



### IN VITRO TEST

Evaluation of tightening action of CITYGUARD+ by cumulating the effects of AGEING + ENVIRONMENT

- Fibroblasts from 50 years old donor → Evaluation of normal aging process.
- Exposition to environmental aggressor → + accelerating factors.



### IN VIVO TEST

24 volunteers aged between 50-71 living in Urban environment.

### INCI NAME

**Cityguard+ PE:** Sea Water, Water, Hydrolyzed Algin, Phenoxyethanol, Sucrose, Ethylhexylglycerin

**Cityguard+ PA:** Sea Water, Water, Hydrolyzed Algin, Phenethyl Alcohol, Sucrose

### CLAIMS

**Energising**  
**Anti pollution**  
**Anti stress**  
**Detox**

### IDEAL FOR

Anti-ageing and anti-pollution formula.

Energising detoxifier.

Daily anti-stress range.

### ORIGIN

Marine

### HYDRO/LIPO

Hydro

### DOSAGE

1,5%

### FORMULATION SUGGESTIONS

Formulate below 50°C.

Formulation guide available on request.

### CERTIFICATIONS



# EARLY BOOST

## ANTI FATIGUE RESTRUCTURING



### KEY POINT

An ingredient based on Taurine of vegetable origin with unique energizing action.

### DESCRIPTION

Extract of the algae *Jania rubens*, particularly rich in taurine, in combination with depolymerized carrageenin.

### MECHANISM OF ACTION

It remarkably improves ATP-synthesis by skin cells.

It has activity against oxidative stress.

It is a moisturizer and it improves skin tensile strength.



### IN VITRO TEST

- Human dermal fibroblasts from 30-year-old donor → Measure of ATP synthesis, measure of free radicals quantity using fluorescent probe.

- Human skin explant from 34-year-old donor → Measure of skin hydration level 1H after pollution exposure using Corneometer.

- 3D latticemodelsfrom30-year-old humanfibroblats → Visualization of fibroblasts morphology using fluroescent immuno-labelling



### IN VIVO TEST

23 volunteers aged between 25-35 years old → Flash Moisturizing action by Corneometer, anti-tiredness effect by score, restructuring action through skin isotropy, anti-wrinkle action on crow's feet area.

### INCI NAME

**Early Boost PE:** Glycerin, Water, *Jania Rubens* Extract, Sodium Carrageenan, Phenoxyethnaol, Ethylhexylglycerin

**Early Boost PA:** Glycerin, Water, *Jania Rubens* Extract, Sodium Carrageenan, Phenethyl Alcohol

### CLAIMS

Immediate hydration

Anti fatigue

Restructuring

Anti wrinkle

### IDEAL FOR

A youth-protecting and skin-perfecting formula.

An energising moisturising concentrate.

A facial essence for busy city dwellers combined.

### ORIGIN

Marine

### HYDRO/LIPO

Hydro

### DOSAGE

1,5%

### FORMULATION SUGGESTIONS

Formulate below 50°C.

Formulation guide available on request.

### CERTIFICATIONS



# LEMON BALM EXTRACT RA

**DETOX  
EFFICACY ON PHOTOAGING**



## KEY POINT

Detox from UV-photoaging

## DESCRIPTION

Lemon balm is associated with relaxation with its use in herbal tea and essential oils. It is known in Europe as a longevity herb and has been used for rejuvenation and restoring the body to the natural cycle.

## MECHANISM OF ACTION

It promotes effects on Endo180 synthesis under the influences of IL-1a induced by UVB irradiation. This enhances the recovery from the decreased collagen production and delays photoaging even further.



## EX VIVO TEST

NB1RGB → Add Lemon Balm Extractive → UVB-irradiated keratinocyte supernatant containing IL-1a → Culture → Measure Type I collagen production (ELISA method) → At the concentration of 200 µg/mL, collagen production was recovered to almost the same level as no UVB irradiation.



## IN VIVO TEST

20 female volunteers with wrinkles around the corner of the eyes measuring “Wrinkle grade 1 to 3” on the visual scale. (Average 44.5 years old) → Visual evaluation & photography compare the change and calculate the average of “Wrinkle grade” of test areas before and after the application. After 8 weeks application, Lemon Balm Extract RA cream showed a significant change rate in “Wrinkle grade” compared to the placebo cream.

## INCI NAME

Melissa Officinalis Leaf Extract, Butylene Glycol, Water

## CLAIMS

**Detox  
Efficacy on photoaging**

## IDEAL FOR

Anti ageing products  
Anti photoaging products

## ORIGIN

Vegetable

## HYDRO/LIPO

Hydro

## DOSAGE

2%

## FORMULATION SUGGESTIONS

No particular formulation restriction

# LIPOSHIELD HEV MELANIN

## UV PROTECTION BOOSTER



### KEY POINT

A fractionated melanin compound designed to protect the skin from damaging high energy visible light.

### DESCRIPTION

Liposhield HEV Melanin is a fractionated melanin compound, designed to be used topically as an additional environmental defense against High Energy Visible light (HEV). It is designed to shield the skin from high energy blue/violet visible light.

### MECHANISM OF ACTION

It absorbs light in the range of 400-500 nm wavelengths.

It was designed to have a molecular weight that is estimated to be 5,000 to 10,000 Daltons and will not penetrate healthy, intact skin.



### IN VITRO TEST

An in vitro study was conducted by gene expression in artificial skin samples obtained from MatTekto compare the effect of HEV light alone and in presence of Liposhield HEV Melanin as a filter of HEV light.

### INCI NAME

Aqua, Melanin

### CLAIMS

**UV protection booster**

### IDEAL FOR

Daily wear moisturizing creams and lotions.  
Anti ageing treatment products.  
Sunscreen products.  
Foundation make up.

### ORIGIN

Synthetic

### HYDRO/LIPO

Hydro

### DOSAGE

0,2%-0,5%

### FORMULATION SUGGESTIONS

It is not suitable for gel formulations, as colorless formulations can not be obtained. It is also not compatible with cationic ingredients, resulting in the formation of a precipitate. It is heat sensitive and therefore should not be heated above 50°C. Incorporation into formulations at temperatures below 45°C is recommended.



# YOUTH OLÉOBOOSTER

**ANTI POLLUTION  
ANTI STRESS**



## KEY POINT

Protection against aging signs. It helps to delay skin aging and protects from daily external aggressions (UV rays, pollution, stress...).

## DESCRIPTION

Extract in rapeseed oil of the roots of ginger and galanga. Rich in polyphenols, tocopherols and omega-3, 6 and 9 fatty acids, it shows a strong anti-free radical activity.

## MECHANISM OF ACTION

Thanks to its concentration in anti-free radicals, Youth Oléobooster slows down skin aging. Galanga and Ginger are traditional medicinal plants used in Asia. Thanks to their high antioxidant content, they protect the skin against all elements that are responsible for the formation of free radicals and cellular aging (UV rays, pollution, stress).



## IN VITRO TEST

CAT method → Evaluation of the anti-free radical capacity of Youth Oléobooster.

## INCI NAME

Brassica Campestris Seed Oil, Zingiber Officinale Root Extract, Alpinia Officinarum Root Extract

## CLAIMS

**Anti ageing  
Anti stress  
Anti pollution**

## IDEAL FOR

Anti Aging Care  
Skin Repair  
Smoothing Care  
Anti stress Care  
Anti pollution Care  
Moisturizing Care  
Protective Care

## ORIGIN

Vegetable

## HYDRO/LIPO

Lipo

## DOSAGE

1%-100%

## FORMULATION SUGGESTIONS

In the fatty phase before emulsification and directly in anhydrous formulas. It can be used pure as active anti-aging oil.

## CERTIFICATIONS



# SILENAGE

## ANTI AGEING REMODELLING



### KEY POINT

supports your skin to return to younger biomechanics even after 20 years of hectic lifestyle.

### DESCRIPTION

it is a concentrate of saponins obtained through extraction from silene flowers.

### MECHANISM OF ACTION

Life Oléobooster fights against free radicals induced by UV stress and help to protect the mitochondria. This protection ensures the maintenance of optimal energy level of skin cells.



### EX VIVO TEST

Topical application of 1% Silenage on the surface of hectic skin model → Labelling of dermis in green and COLLAGEN 1, PRO-COLLAGEN 3, COLLAGEN 4, LAM5, tenascin, in green fluorescence. Evaluation of DEJ index.

DNA array after application of 1% Silenage on epidermis → Expression of Collagen 1, Collagen 3, Collagen 4, Laminin 5.



### IN VIVO TEST

33 volunteers aged between 50 and 70 years old declaring feeling exhausted → evaluation of DEJ Index using ultrasound imaging and firming action through Dynaskin.

### INCI NAME

**Silenage GP:** Glycerin, Aqua, Phenoxyethanol, Saponins, Mineral Salts  
**Silenage G:** Glycerin, Aqua, Saponins, Mineral Salts

### CLAIMS

Anti ageing  
Firming  
Remodelling

### IDEAL FOR

An energising anti-ageing personal care product with **EARLY BOOST**. A youth formula for sensitive skins with **AREAUMAT PERPETUA**. A slimming toning gel with **B-SHAPE**.

### ORIGIN

Vegetable

### HYDRO/LIPO

Hydro

### DOSAGE

1%

### FORMULATION SUGGESTIONS

Formulate below 50°C

### CERTIFICATIONS



# LIFE OLÉOBOOSTER

**ANTI POLLUTION  
ENERGIZING**



## KEY POINT

Thanks to this active the skin looks revitalized. Cutaneous signs of fatigue, dull complexion, dark circles are reduced.

## DESCRIPTION

It gives an energy boost to the skin by acting on the mitochondria. Furthermore, it increases the density of the dermis major protein: the collagen.

## MECHANISM OF ACTION

Life Oléobooster fights against free radicals induced by UV stress and help to protect the mitochondria. This protection ensures the maintenance of optimal energy level of skin cells.



## EX VIVO TEST

Immunolabelling of the aconitase in presence and absence of an oxidative stress generated by UV irradiation → Evaluation of Life Oleobooster protective activity of mitochondria.

## INCI NAME

Brassica Campestris Seed Oil, Polyglyceryl-3-Diisostearate, Stevia Rebaudiana Extract, Cistus Monspeliensis Extract

## CLAIMS

**Anti pollution  
Anti ageing  
Anti stress  
Energizing**

## IDEAL FOR

Anti fatigue Care  
Energizing Care  
Anti stress Care  
Anti pollution Care  
Repairing Care  
Protective Care  
Anti aging Care

## ORIGIN

Vegetable

## HYDRO/LIPO

Lipo

## DOSAGE

1%-100%

## FORMULATION SUGGESTIONS

In the fatty phase before emulsification or directly in anhydrous formulas. It can be used pure as active energizing and anti fatigue oil.

## CERTIFICATIONS





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